



**A 45, ERSATZNEUBAU  
DER TALBRÜCKE SECHSHELDEN  
- BERECHNUNG DES  
VERKEHRSBEDINGTEN  
STICKSTOFFEINTRAGS -**

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#### Hinweise:

Vorliegender Bericht darf ohne schriftliche Zustimmung der Lohmeyer GmbH nicht auszugsweise vervielfältigt werden.

Die Tabellen und Abbildungen sind kapitelweise durchnummeriert.

Literaturstellen sind im Text durch Name und Jahreszahl zitiert. Im Kapitel Literatur findet sich dann die genaue Angabe der Literaturstelle.

Es werden Dezimalpunkte (= wissenschaftliche Darstellung) verwendet, keine Dezimalkommas. Eine Abtrennung von Tausendern erfolgt durch Leerzeichen.

## ERLÄUTERUNG VON FACHAUSDRÜCKEN

### Emission / Immission

Als Emission bezeichnet man die von einem Fahrzeug ausgestoßene Luftschadstoffmenge in Gramm Schadstoff pro Kilometer oder bei anderen Emittenten in Gramm pro Stunde. Die in die Atmosphäre emittierten Schadstoffe werden vom Wind verfrachtet und führen im umgebenden Gelände zu Luftschadstoffkonzentrationen, den so genannten Immissionen. Diese Immissionen stellen Luftverunreinigungen dar, die sich auf Menschen, Tiere, Pflanzen und andere Schutzgüter überwiegend nachteilig auswirken. Die Maßeinheit der Immissionen am Untersuchungspunkt ist  $\mu\text{g}$  (oder  $\text{mg}$ ) Schadstoff pro  $\text{m}^3$  Luft ( $\mu\text{g}/\text{m}^3$  oder  $\text{mg}/\text{m}^3$ ).

### Hintergrundbelastung / Zusatzbelastung / Gesamtbelastung

Als Hintergrundbelastung werden im Folgenden die Immissionen bezeichnet, die bereits ohne die Emissionen des Straßenverkehrs auf den betrachteten Straßen an den Untersuchungspunkten vorliegen. Die Zusatzbelastung ist diejenige Immission, die ausschließlich vom Verkehr auf dem zu untersuchenden Straßennetz oder der zu untersuchenden Straße hervorgerufen wird. Die Gesamtbelastung ist die Summe aus Hintergrundbelastung und Zusatzbelastung und wird in  $\mu\text{g}/\text{m}^3$  oder  $\text{mg}/\text{m}^3$  angegeben.

### Grenzwerte / Vorsorgewerte

Grenzwerte sind zum Schutz der menschlichen Gesundheit vom Gesetzgeber vorgeschriebene Beurteilungswerte für Luftschadstoffkonzentrationen, die nicht überschritten werden dürfen, siehe z. B. Neununddreißigste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes. Vorsorgewerte stellen zusätzliche Beurteilungsmaßstäbe dar, die zahlenmäßig niedriger als Grenzwerte sind und somit im Konzentrationsbereich unterhalb der Grenzwerte eine differenzierte Beurteilung der Luftqualität ermöglichen.

### Jahresmittelwert / Kurzzeitwert (Äquivalentwert)

An den betrachteten Untersuchungspunkten unterliegen die Konzentrationen der Luftschadstoffe in Abhängigkeit von Windrichtung, Windgeschwindigkeit, Verkehrsaufkommen etc. ständigen Schwankungen. Die Immissionskenngrößen Jahresmittelwert und weitere Kurzzeitwerte charakterisieren diese Konzentrationen. Der Jahresmittelwert stellt den über das Jahr gemittelten Konzentrationswert dar. Eine Einschränkung hinsichtlich Beurteilung der Luftqualität mit Hilfe des Jahresmittelwertes besteht darin, dass er nichts über Zeiträume mit hohen Konzentrationen aussagt. Eine das ganze Jahr über konstante Konzentration kann zum gleichen

Jahresmittelwert führen wie eine zum Beispiel tagsüber sehr hohe und nachts sehr niedrige Konzentration.

Die Neununddreißigste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (39. BImSchV) fordert die Einhaltung von Kurzzeitwerten in Form des Stundenmittelwertes der NO<sub>2</sub>-Konzentrationen von 200 µg/m<sup>3</sup>, der nicht mehr als 18 Stunden pro Jahr überschritten werden darf, und des Tagesmittelwertes der PM<sub>10</sub>-Konzentration von 50 µg/m<sup>3</sup>, der maximal an 35 Tagen überschritten werden darf. Da diese Werte derzeit nicht direkt berechnet werden können, erfolgt die Beurteilung hilfsweise anhand von abgeleiteten Äquivalentwerten auf Basis der Jahresmittelwerte bzw. 98-Perzentilwerte (Konzentrationswert, der in 98% der Zeit des Jahres unterschritten wird). Diese Äquivalentwerte sind aus Messungen abgeleitete Kennwerte, bei deren Unterschreitung auch eine Unterschreitung der Kurzzeitwerte erwartet wird.

### **Verkehrssituation**

Emissionen und Kraftstoffverbrauch der Kraftfahrzeuge (Kfz) hängen in hohem Maße vom Fahrverhalten ab, das durch unterschiedliche Betriebszustände wie Leerlauf im Stand, Beschleunigung, Fahrt mit konstanter Geschwindigkeit, Bremsverzögerung etc. charakterisiert ist. Das typische Fahrverhalten kann zu so genannten Verkehrssituationen zusammengefasst werden. Verkehrssituationen sind durch die Merkmale eines Straßenabschnitts wie Geschwindigkeitsbeschränkung, Ausbaugrad, Vorfahrtregelung etc. charakterisiert. In der vom Umweltbundesamt herausgegebenen Datenbank „Handbuch für Emissionsfaktoren des Straßenverkehrs HBEFA“ sind für verschiedene Verkehrssituationen Angaben über Schadstoffemissionen angegeben.

### **NO<sub>x</sub> zum Schutz der Vegetation**

Zum Schutz der Vegetation nennt die 39. BImSchV einen kritischen Wert für Stickstoffoxide (NO<sub>x</sub>) von 30 µg/m<sup>3</sup> im Jahresmittel. Dieser „kritische Wert“ ist ein auf Grund wissenschaftlicher Erkenntnisse festgelegter Wert, dessen Überschreitung unmittelbare schädliche Auswirkungen für manche Rezeptoren wie Bäume, Pflanzen oder natürliche Ökosysteme haben kann.

## 1 ZUSAMMENFASSUNG

Für das Planfeststellungsverfahren zum Ersatzneubau der Talbrücke Sechshelden an der A 45 wurden ab dem Jahr 2013 durch die Ingenieurbüro Lohmeyer GmbH & Co. KG Fachgutachten zum Stickstoffeintrag auf Grundlage des Stands der Technik erarbeitet und danach aufgrund modifizierter Eingangsdaten aktualisiert. Seit Februar 2022 liegt eine aktualisierte Version der Kfz-Emissionsdatenbank mit der Version HBEFA 4.2 vor. Dementsprechend sollen die Betrachtungen zum Stickstoffeintrag mit Anwendung der Vorgehensweise der jüngsten Ausarbeitungen aktualisiert werden und in einem aktuellen Bericht zusammengefasst werden.

Da in Teilbereichen des Betrachtungsgebietes bei der Talbrücke Sechshelden das in der entsprechenden VDI-Richtlinie genannte Geländesteigungskriterium überschritten wird, war eine aufwändige Windfeldmodellierung mit einem prognostischen mesoskaligen Modell, hier ProWiMo, zu integrieren. Die Immissionsberechnungen erfolgten mit dem Straßennetzmodell PROKAS, wobei als Ausbreitungsmodell das dreidimensionale Ausbreitungsmodell LASAT (Lagrangemodell in Erweiterung des Modells der TA Luft, [www.janicke.de](http://www.janicke.de)) verwendet wird, unter Einbeziehung der lokalen Wind- und Ausbreitungsklassenstatistik basierend auf mittlerweile verfügbaren 10-jährigen Reanalysedaten des DWD, die eine qualitative Übertragung von Messdaten (QPR) erübrigen, der topografischen Gegebenheiten, der berechneten Emissionen des Kfz-Verkehrs auf den Straßen und der aus Messdaten abgeleiteten Hintergrundbelastung.

Mit der aktuellen Emissionsdatenbank HBEFA4.2 werden für das Bezugsjahr 2030 gegenüber der vorangegangenen Ausarbeitung (basierend auf HBEFA4.1) für NO<sub>x</sub> und NH<sub>3</sub> etwas geringere Emissionen abgeleitet.

Für die Betrachtungen zum verkehrsbedingten Stickstoffeintrag in entsprechend empfindliche FFH-Gebiete ist festzuhalten, dass auch mit Berücksichtigung der aufwändigen prognostischen mesoskaligen Windfeldberechnungen für die aktualisierte Planung mit Berücksichtigung der aktuellen Emissionsdatenbank HBEFA4.2 die prognostizierte Änderung des verkehrsbedingten Stickstoffeintrags derart bestätigt wird, dass für den Planfall nur auf sehr geringen Flächenanteilen der betrachteten FFH-Gebiete Änderungen des Stickstoffeintrags über der Bagatellschwelle von 0.3 kg/(ha\*a) zu erwarten sind.

## 2 AUFGABENSTELLUNG

Für das Planfeststellungsverfahren zum Ersatzneubau der Talbrücke Sechshelden an der A 45 wurden ab dem Jahr 2013 durch die Ingenieurbüro Lohmeyer GmbH & Co. KG Fachgutachten zum Stickstoffeintrag auf Grundlage des Stands der Technik erarbeitet und danach aufgrund modifizierter Eingangsdaten aktualisiert. Seit Februar 2022 liegt eine aktualisierte Version der Kfz-Emissionsdatenbank mit der Version HBEFA 4.2 vor. Dementsprechend sollen die Betrachtungen zum Stickstoffeintrag mit Anwendung der Vorgehensweise der jüngsten Ausarbeitungen aktualisiert werden und in einem aktuellen Bericht zusammengefasst werden.

### 3 VORGEHENSWEISE

Bei der Verbrennung des Kfz-Kraftstoffes wird eine Vielzahl von Schadstoffen freigesetzt, die die menschliche Gesundheit und die Ökosysteme gefährden können. Im Rahmen der vorliegenden Luftschadstoffuntersuchung ist zu prüfen, ob die durch die geplanten Baumaßnahmen verursachten Auswirkungen die Luftkonzentrationen der Schadstoffe (Immissionen) unter Berücksichtigung der bereits vorhandenen Hintergrundbelastung in gesetzlich unzulässigem Maße erhöhen. Der Vergleich der Schadstoffkonzentrationen mit schadstoffspezifischen Beurteilungswerten, z. B. Grenzwerten, die vom Gesetzgeber zum Schutz der menschlichen Gesundheit und der Ökosysteme festgelegt werden, lässt Rückschlüsse auf die Luftqualität zu.

Die vorliegende Untersuchung konzentriert sich auf den v. a. vom Straßenverkehr erzeugten Schadstoff Stickoxid im Hinblick auf die Ökosysteme. Für die Ermittlung des Stickstoffeintrags (N-Deposition) in den Boden in ausgewiesenen FFH-Gebieten werden zusätzlich verkehrsbedingte Emissionen von Ammoniak ( $\text{NH}_3$ ) betrachtet.

#### 3.1 Berechnungsverfahren

Für die Prognose der Luftschadstoffbelastungen an Bundesfernstraßen wird vom BMVBW die Anwendung der Richtlinie über Luftschadstoffbelastungen an Straßen ohne oder mit lockerer Randbebauung (RLuS, 2020) empfohlen. Da aufgrund der topografischen Randbedingungen von Beeinflussungen der Windverhältnisse durch das Relief ausgegangen wird, müssen in den Betrachtungen die örtlichen Windverhältnisse berücksichtigt werden. Weiterhin sind Betrachtungen von Brückenlagen mit RLuS nicht möglich.

Für die vorliegende Aufgabenstellung wird das Berechnungsverfahren PROKAS eingesetzt ([www.lohmeyer.de/prokas](http://www.lohmeyer.de/prokas)), wobei als Ausbreitungsmodell das dreidimensionale Strömungs- und Ausbreitungsmodell LASAT (Lagrangemodell in Erweiterung des Modells der TA Luft, [www.janicke.de](http://www.janicke.de); siehe Anhang A2) in Kombination mit dem prognostischen, mesoskaligen Windfeldmodell ProWiMo (siehe Anhang A3) verwendet wird. Die Emissions- und Ausbreitungsrechnung wird jeweils an den aktuellen Stand der Technik angepasst, insbesondere unter Berücksichtigung des Stickstoffleitfadens „Hinweise zur Prüfung von Stickstoffeinträgen in der FFH-Verträglichkeitsprüfung für Straßen – H PSE“ (FGSV, 2019), der u. a. die Ergebnisse des Forschungsberichtes der BAST (2013) „Untersuchung und Bewertung von straßenverkehrsbedingten Nährstoffeinträgen in empfindliche Biotope“ enthält und berücksichtigt die Inhalte der VDI-Richtlinie 3783 Blatt 14 „Qualitätssicherung in der Immissionsberechnung, Kraftfahrzeugbedingte Immissionen“ und erforderlichenfalls entsprechende Querverweise auf die

VDI-Richtlinie 3783 Blatt 13 „Qualitätssicherung in der Immissionsprognose, Anlagenbezogener Immissionsschutz Ausbreitungsrechnung gemäß TA Luft“. Die Schadstoffausbreitung wird dabei für die Kombinationen aus Emissionssituationen, Windrichtung, Windgeschwindigkeit und atmosphärischen Stabilitätsbedingungen unter Berücksichtigung der Topografie simuliert. Das verwendete Ausbreitungsmodell ist in der Lage, sämtliche im Rechengebiet liegenden Straßenabschnitte gleichzeitig mit ihrer jeweiligen Emission emittieren zu lassen. Die Schadstoffkonzentrationen werden mit dem Verfahren flächenhaft für das Untersuchungsgebiet berechnet.

Zur Ermittlung der Immissionen im Untersuchungsgebiet werden zunächst auf der Grundlage der vom Auftraggeber zur Verfügung gestellten Verkehrsmengen die von den Kraftfahrzeugen emittierten Schadstoffmengen ermittelt. Mithilfe von Ausbreitungsrechnungen werden die durch diese Emissionen verursachten Luftkonzentrationen der Schadstoffe im Untersuchungsgebiet ermittelt. Auf der Grundlage von meteorologischen Daten (Kapitel 4) und der Emissionsganglinien werden die statistischen Jahreskennwerte der Schadstoffkonzentrationen ermittelt. Der so berechneten verkehrsbedingten Zusatzbelastung, verursacht vom Verkehr innerhalb des Untersuchungsgebietes, wird die Hintergrundbelastung (Kapitel 4) überlagert. Die für die Ausbreitungsrechnungen notwendigen Daten zur Meteorologie werden nahe gelegenen meteorologischen Daten entnommen. Die Hintergrundbelastung im Untersuchungsgebiet wird aus Messdaten umliegender Messstationen abgeleitet.

Die Emissionsberechnung erfolgt mit dem Modell PROKAS entsprechend den Vorgaben der VDI-Richtlinie „Kfz-Emissionsbestimmung“ (VDI 3782 Blatt 7, 2020). Mithilfe der Informationen über Verkehrsflusskenngrößen (z. B. Straßentyp, Verkehrsdichte, zulässige Höchstgeschwindigkeit, Längsneigung usw.) werden so genannte Verkehrssituationen für die einzelnen Straßenabschnitte festgelegt, die als Attribute der Segmente digitalisiert werden. Die mittleren Emissionsfaktoren und Startzuschläge einer Fahrzeugkategorie (PKW, leichte Nutzfahrzeuge, Busse etc.) werden der vom Umweltbundesamt herausgegebenen Datenbank „Handbuch für Emissionsfaktoren des Straßenverkehrs HBEFA“ Version 4.2 (UBA, 2022) entnommen. Die Schadstoffemissionsdichten auf den betrachteten Straßenabschnitten werden auf Grundlage der Verkehrsmengen und der den Verkehrssituationen zugehörigen Emissionsfaktoren unter Berücksichtigung von Stauanteilen und Längsneigungseinflüssen berechnet.

Bei der Modellierung der Schadstofffreisetzungen in LASAT wird die fahrzeugerzeugte Turbulenz mit einer Parametrisierung nach Bäumer (2003) und Stern und Yamatino (2001) in Abhängigkeit vom Verkehrsaufkommen und den Fahrgeschwindigkeiten berücksichtigt.

## Vorgehen bezüglich Deposition

Die Berechnungen des Stickstoffeintrags berücksichtigen die im Forschungsbericht der BAST (2013) „Untersuchung und Bewertung von straßenverkehrsbedingten Nährstoffeinträgen in empfindliche Biotope“ genannten Konventionen, die auch in dem relativ neuen Stickstoffleitfaden H PSE (FGSV, 2019) übernommen sind.

Mit dem Programmsystem PROKAS/LASAT werden neben den Luftkonzentrationen der Schadstoffe die durch Straßenverkehr verursachten  $\text{NO}_x$ - und  $\text{NH}_3$ -Depositionen ermittelt. Die  $\text{NO}_x$ - und  $\text{NH}_3$ -Depositionen werden entsprechend der Molekularmassen in N-Depositionen umgerechnet.

Stickstoffverbindungen werden aus der Atmosphäre über nasse Deposition (Regen, Schnee usw.) und trockene Deposition in Ökosysteme eingetragen. Trockene Deposition ist landnutzungsabhängig und meist größer als die nasse Deposition (LAI, 2012). Im Nahbereich einer Emissionsquelle spielt die nasse Deposition von gasförmigen Luftbeimengungen nur eine untergeordnete Rolle (Bachhiesl et al., 2002). Der Beitrag des Straßenverkehrs an der N-Deposition wird demnach im Nahbereich durch die trockene Deposition bestimmt. Die nasse Deposition wird aus diesem Grund im Folgenden vernachlässigt.

Die trockene Deposition wird mithilfe von Depositionsgeschwindigkeiten berechnet, die abhängig von der lokalen Oberflächenbeschaffenheit sind. Prinzipiell ist davon auszugehen, dass die Depositionsgeschwindigkeiten für Wiesen und Ackerböden kleiner sind als für Laubwälder. Noch höhere Werte werden für Nadelwälder erwartet (Bachhiesl et al., 2002).

In der Richtlinie VDI 3782 Blatt 5 (2006) werden Depositionsgeschwindigkeiten für  $\text{NO}$  von 0.05 cm/s und für  $\text{NO}_2$  von 0.3 cm/s als großräumiges Mittel (Mesoskala) angegeben. Für  $\text{NH}_3$  werden Depositionsgeschwindigkeiten für Wald von 2 cm/s und für Wiesen von 1.5 cm/s angegeben.

Für die Ausbreitungsrechnungen wurden die in **Tab. 3.1** angegebenen Depositionsgeschwindigkeiten für die im Untersuchungsgebiet vorhandenen Landbedeckungsklassen Wald und Wiesen angesetzt.

|                                                  | <b>NO</b> | <b>NO<sub>2</sub></b> | <b>NH<sub>3</sub></b> |
|--------------------------------------------------|-----------|-----------------------|-----------------------|
| <b>Depositionsgeschwindigkeit Wald in cm/s</b>   | 0.05      | 0.3                   | 2.0                   |
| <b>Depositionsgeschwindigkeit Wiesen in cm/s</b> | 0.05      | 0.3                   | 1.5                   |

Tab. 3.1: Für die Ausbreitungsrechnungen angesetzte Depositionsgeschwindigkeiten

### 3.2 Beurteilungswerte zum Schutz der Vegetation

Als fachlicher Maßstab für die Beurteilung wird in der 39. BImSchV für NO<sub>x</sub> ein kritischer Wert zum Schutz der Vegetation von 30 µg/m<sup>3</sup> im Jahresmittel angeführt. Die Anwendung dieses kritischen Wertes zum Schutz der Vegetation ist nach der 39. BImSchV für Bereiche vorbehalten, die mehr als 20 km von Ballungsräumen oder 5 km von anderen bebauten Gebieten, Industrieanlagen oder Bundesautobahnen oder Hauptverkehrsstraßen mit einem DTV über 50 000 Kfz/24h entfernt sind (vergl. Anhang A1). Daneben gibt es die sog. „Critical Loads“ (kritische Eintragsraten), die wissenschaftlich begründete Zielwerte für Stickstoffeinträge zum Schutz von Vegetationseinheiten darstellen.

## 4 EINGANGSDATEN

Für die Emissions- bzw. Immissionsberechnungen sind als Eingangsgrößen die Lage des Straßennetzes im zu betrachtenden Untersuchungsgebiet und verkehrsspezifische Informationen von Bedeutung. Für das Untersuchungsgebiet wurden die Verkehrsdaten durch den Auftraggeber zur Verfügung gestellt. Weitere Grundlagen der Immissionsberechnungen sind die basierend auf den Verkehrsdaten berechneten Schadstoffemissionen (Kapitel 5), die meteorologischen Daten und die Schadstoffhintergrundbelastung. Die der vorliegenden Untersuchung zugrunde liegenden Verkehrsdaten, meteorologischen Daten und die Schadstoffhintergrundbelastung werden in den Abschnitten 4.2 bis 4.4 erläutert.

Vom Auftraggeber wurden als Grundlage für das vorliegende Gutachten neben Übersichtskarten und Stadtplänen u. a. die nachfolgenden Unterlagen übergeben:

- Luftbilder und digitale Karten DTK 25
- Verkehrsbelegungsdaten
- Lage- und Höhenpläne
- Digitales Geländemodell des Untersuchungsgebietes
- Tempolimits für geplante Streckenabschnitte.

Die übergebenen Lagen- und Höheninformationen zu geplanten Lärmschutzbauten für den Planfall (INVER, 2018) beinhalten:

- Nördliche Lärmschutzwand Bau-km ca. 0+600 bis ca. 0+640 (Länge ca. 40 m, Höhe 2.5–6.5 m)
- Nördliche Lärmschutzwand Bau-km ca. 0+640 bis ca. 2+010 (Länge ca. 1 370 m, Höhe 6.5 m)
- Nördliche Lärmschutzwand Bau-km ca. 2+010 bis ca. 2+050 (Länge ca. 40 m, Höhe 6.5–2.5 m)
- Südliche Lärmschutzwand Bau-km ca. 0+555 bis ca. 0+585 (Länge ca. 30 m, Höhe 2.5–5.5 m)
- Südliche Lärmschutzwand Bau-km ca. 0+585 bis ca. 1+648 (Länge ca. 1 063 m, Höhe 5.5 m)
- Nördliche Lärmschutzwand an PWC-Anlage „Auf dem Bon“ Bau-km ca. 0+220 bis ca. 0+335 (Länge ca. 115 m, Höhe 2.5–3.75 m)
- Südliche Lärmschutzwand an PWC-Anlage „Am Schlierberg“ Bau-km ca. 0+425 bis ca. 0+540 (Länge ca. 115 m, Höhe 2.5 m)

Für die Aktualisierung liegen folgende Planunterlagen vor:

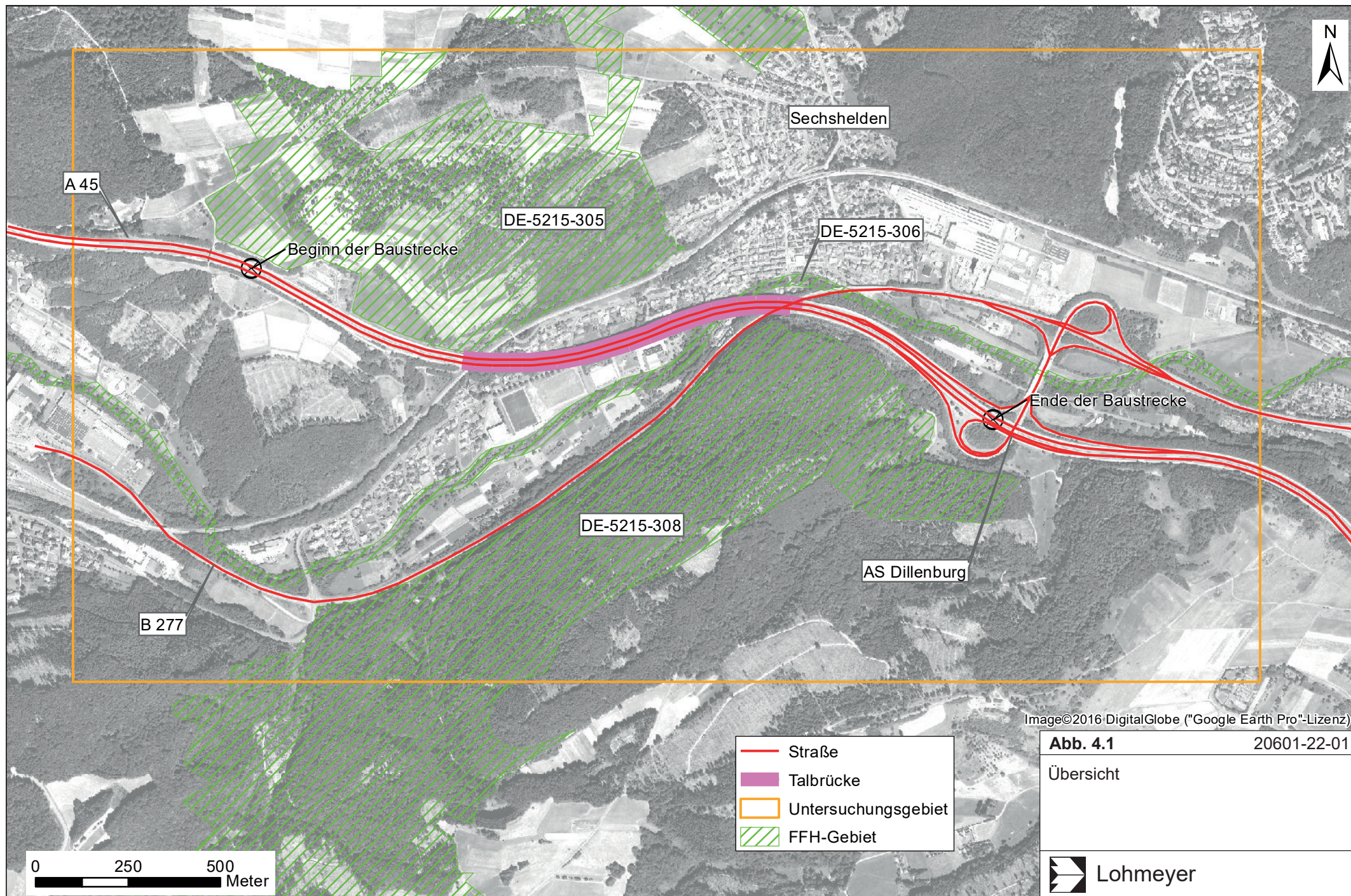
- Lageplan der Immissionsschutzmaßnahmen (Sechshelden-Süd), INVER Stand 11.09.2020 mit der Ergänzung: Erhöhung der Lärmschutzwände Nord- und Südseite auf  $h=7.25$  m, Neue Lärmschutzwand in Mittellage  $h=5.00$  m.
- Lageplan der Immissionsschutzmaßnahmen (Sechshelden-Nord), INVER Stand 11.09.2020 mit der Ergänzung: Erhöhung der Lärmschutzwände Nord- und Südseite auf  $h=7.25$  m, Neue Lärmschutzwand in Mittellage  $h=5.00$  m.
- A 45, Ersatzneubau der Talbrücke Sechshelden, Unterlage 17.1 (2. Planänderung) Schalltechnische Untersuchung – Erläuterungen (INVER, September 2020)
- Geländedaten für mesoskalige prognostische Windfeldberechnungen außerhalb des inneren Rechengebietes: GlobDEM50, Corine-Landcover-Daten.

#### 4.1 Lagedaten

Das Betrachtungsgebiet liegt im Westen Hessens im Rheinischen Schiefergebirge im Übergangsbereich zwischen dem Westerwald und dem Rothaargebirge. Der Autobahnabschnitt liegt in direkter Nachbarschaft zu Dillenburg und zwischen den Städten Siegen und Wetzlar. Im derzeitigen Zustand quert die A 45 das FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) an der Talbrücke Sechshelden und verläuft in Streckenabschnitten parallel entlang der FFH-Gebiete „Wald und Grünland um Donsbach“ (5215-308) und „Krombachswiesen und Struth bei Sechshelden“ (5215-305). Die im Untersuchungsgebiet ausgewiesenen FFH-Flächen sind großflächig bewaldet. Nur im FFH-Gebiet „Krombachswiesen und Struth bei Sechshelden“ können größere Flächen der Landbedeckungsklasse Wiesen und Weiden zugeordnet werden.

Das Gelände im Untersuchungsgebiet weist mit der Talung der Dill relevante Höhenunterschiede auf. Im betrachteten Abschnitt der A 45 weist die Talung eine südwest-nordöstliche Ausrichtung auf, gegenüber der Talsohle des Dilltals in einer Höhe von ca. 240 m ü. NHN weisen die Randhöhen Höhen über 330 m ü. NHN auf. Im Süden des Untersuchungsgebietes ist mit ca. 400 m ü. NHN die größte Erhebung zu verzeichnen. Die Anschlussstelle Dillenburg liegt östlich im Untersuchungsgebiet auf einer Höhe von ca. 260 m ü. NHN.

Die Lage des Untersuchungsgebietes mit dem umliegenden Straßennetz ist in **Abb. 4.1** für die bestehenden und geplanten Straßenverläufe sowie die FFH-Gebiete aufgezeigt.



**Abb. 4.1**

20601-22-01

Übersicht

## 4.2 Verkehrsdaten

Die Verkehrsbelegungsdaten wurden durch den Auftraggeber in Form einer Prognose für das Jahr 2030 (IVV, 2018) zur Verfügung gestellt. Entsprechend der Aufgabenstellung wurden diese Verkehrswerte in der ins Planfeststellungsverfahren eingebundenen Ausarbeitung im Hinblick auf die Beurteilung von Beeinträchtigung durch mehrjährige Stickstoffeinträge bei der Emissionsberechnung für das Jahr 2030 angesetzt; für die Aktualisierung wird ebenfalls das Jahr 2030 betrachtet. Das sind für das Betrachtungsgebiet mit direkter Umgebung Angaben der durchschnittlichen werktäglichen Verkehrsstärken (DTV<sub>w</sub>) und der Lkw-Anteile mit einem zulässigen Gesamtgewicht >3.5 t in %. Die Verkehrsbelegungsdaten sind für die zu betrachtenden Untersuchungsfälle in **Abb. 4.2** (Prognose-Nullfall) und **Abb. 4.3** (Planfall) aufgezeigt; für die A 45 ist der Verkehr jeweils fahrtrichtungsbezogen berücksichtigt.

Zur Berechnung der zeitlichen Verteilung der Emissionen werden zusätzlich zu den Verkehrsstärken und Lkw-Anteilen die Aufteilungen an Werktagen, Samstagen und Sonntagen benötigt. Für die Autobahn A 45 werden die Wochentagsaufteilungen aus dem Verkehrsgutachten herangezogen.

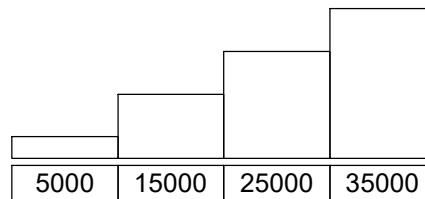
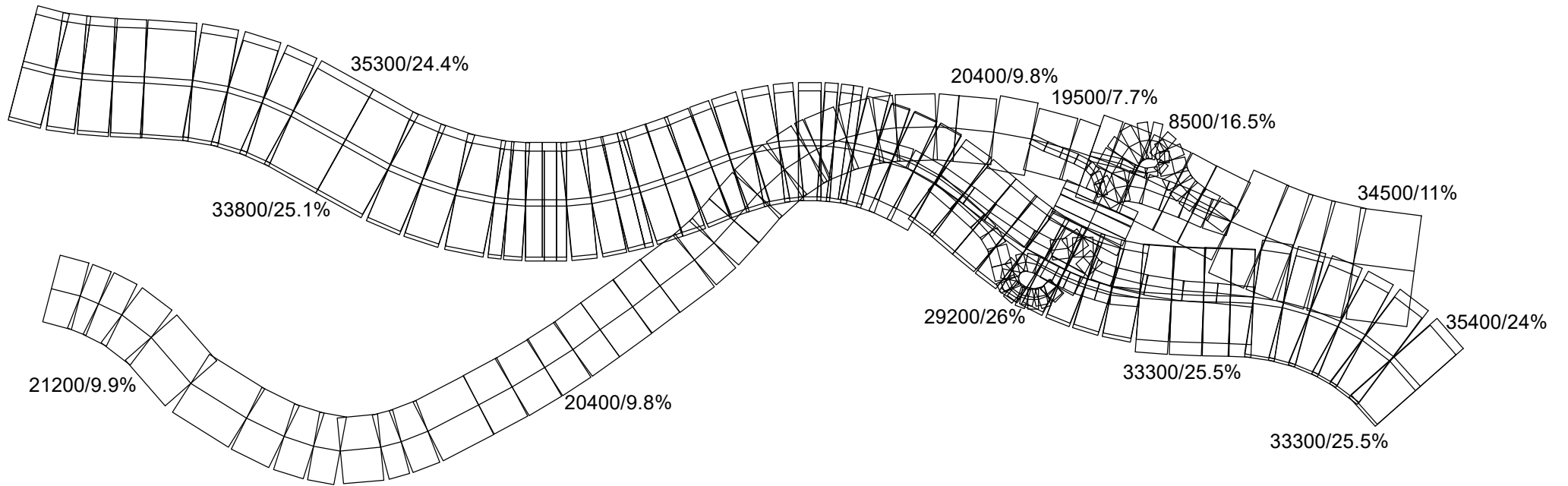
Weitere Grundlagen der Immissionsberechnungen sind die basierend auf den Verkehrsdaten berechneten Schadstoffemissionen (Kap. 5), die meteorologischen Daten und die Schadstoffhintergrundbelastung.

## 4.3 Meteorologische Daten

Für die Berechnung der Schadstoffimmissionen werden so genannte Ausbreitungsklassenstatistiken benötigt. Das sind Angaben über die Häufigkeit verschiedener Ausbreitungsverhältnisse in den unteren Luftschichten, die durch Windrichtung, Windgeschwindigkeit und Stabilität der Atmosphäre definiert sind.

Für den Bereich innerhalb des Untersuchungsgebietes stehen keine meteorologischen Daten aus dem hauptamtlichen Stationsnetz des Deutschen Wetterdienstes (DWD) zur Verfügung. In direkter Umgebung liegen Winddaten des Deutschen Wetterdienstes für die Station Gießen-Wettenberg vor. Die Station liegt ca. 31 km südöstlich vom Plangebiet.

Als fachgutachterliche Einschätzung und in Rücksprache mit dem DWD wurden die Winddaten der Station Gießen-Wettenberg herangezogen und für 2011 als repräsentatives Jahr 2011 übergeben. Die Hauptwindrichtungen werden durch südwestliche sowie nordöstliche Winde

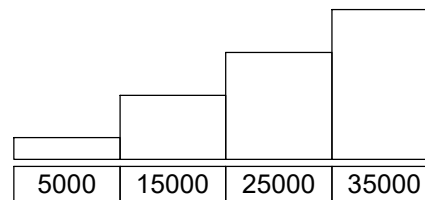
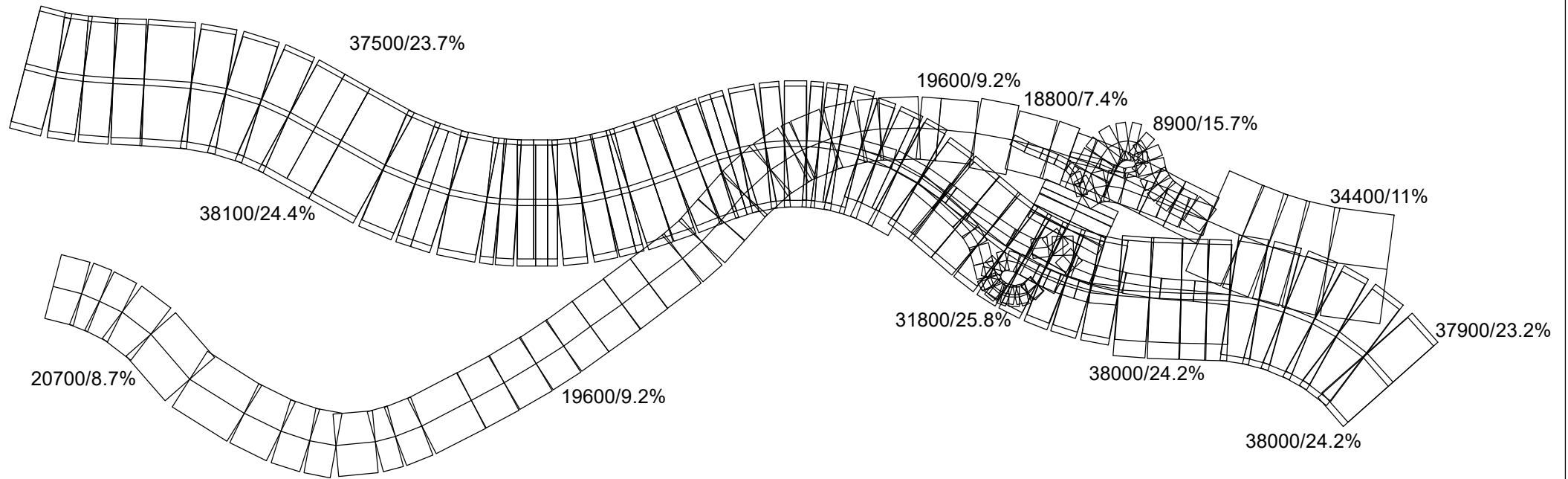


Verkehrsstärke in Kfz/24 h

0 250 500  
Meter

**Abb. 4.2** 20601-22-01  
Prognose-Nullfall  
Durchschnittliche Verkehrsstärke  
DTV<sub>w</sub> in Kfz pro Tag  
und LKW-Anteil in Prozent

 Lohmeyer



Verkehrsstärke in Kfz/24 h

0 250 500  
Meter

|                                                                                                              |             |
|--------------------------------------------------------------------------------------------------------------|-------------|
| <b>Abb. 4.3</b>                                                                                              | 20601-22-01 |
| Planfall<br>Durchschnittliche Verkehrsstärke<br>DTV <sub>w</sub> in Kfz pro Tag<br>und LKW-Anteil in Prozent |             |
|  Lohmeyer               |             |

geprägt. Die mittlere Windgeschwindigkeit wird mit ca. 3.2 m/s erfasst. Die Messdaten der ca. 20 km südsüdwestlich gelegenen Bergstation Bad Marienberg wurde mit den sehr hohen mittleren Windgeschwindigkeiten von 3.6 m/s als wenig repräsentativ eingestuft.

Mittlerweile liegen für die Umgebung des Untersuchungsgebietes regional repräsentative Winddaten auf Basis von Reanalysedaten des DWD für ein ca. 6 km x 6 km Raster und für den Zeitraum 2008-2017 vor. Die synthetischen Winddaten beschreiben die mittleren Windverhältnisse für die jeweiligen 6 x 6 km<sup>2</sup> großen Rasterflächen. Regionale Topographiestrukturen, die mit diesem Raster erfasst werden können, wie Mittelgebirge, prägen dabei die Flächenmittel der Windverhältnisse. Kleinräumigere Strukturen, wie lokale Talsysteme, mit deren Einflüsse auf die Windverhältnisse, werden durch die Rasterflächen nicht erfasst. Gegenüber den ca. 6 x 6 km<sup>2</sup> großen Rasterflächen der synthetischen Winddaten umfasst das mit LASAT für die Ausbreitungsrechnung betrachtete Untersuchungsgebiet einen deutlich kleineren Bereich. Daher können die Winddaten auf Basis von Reanalysedaten als repräsentativ für die großräumigen Windrichtungsverhältnisse im Untersuchungsgebiet in Kuppenlage betrachtet werden. Die verwendeten synthetischen Winddaten repräsentieren in dieser Vorgehensweise die Referenz für die großräumigen Windverhältnisse, die dann mit den mittels LASAT berechneten örtlichen Windfeldern im Untersuchungsgebiet gekoppelt werden.

Die der für die Ausbreitungsrechnungen geeigneten Ersatzanemometerposition (EAP) nächstgelegene Windrose auf Basis der beschriebenen repräsentativen synthetischen Winddaten (Länge 8.285, Breite 50.7602) wurde ausgelesen und in **Abb. 4.4** dargestellt. Im Bereich des Untersuchungsgebietes weisen diese synthetischen Winddaten eine Windrichtungsverteilung auf, bei der nordwestliche bis südwestliche Windrichtungen dominieren und eine weitere Häufung bei nordöstlichen bis östlichen Windrichtungen auftritt. Die mittlere Windgeschwindigkeit in der entsprechenden Rasterfläche beträgt für den Zehnjahreszeitraum ca. 2.8 m/s. An den weiteren umliegenden Rasterflächen beschreiben die regional repräsentativen synthetischen Winddaten vergleichbare Verhältnisse.

Die beschriebenen regional repräsentativen Winddaten auf Basis von Reanalysedaten werden für die Ausbreitungsrechnungen mit LASAT in Kuppenlage für das Untersuchungsgebiet herangezogen. Im Untersuchungsgebiet mit dem eingeschnittenen Tal bei Sechshelden und den zum Teil steil abfallenden Hangbereichen werden die bodennahen Windverhältnisse durch die Reliefverhältnisse geprägt, wobei in Teilbereichen die Geländeneigung über dem Steigungskriterium 1:5 der VDI-Richtlinie 3783, Blatt 13 liegt (**Abb. 4.5**); dabei verweist die VDI-Richtlinie

## Windverteilung in Prozent

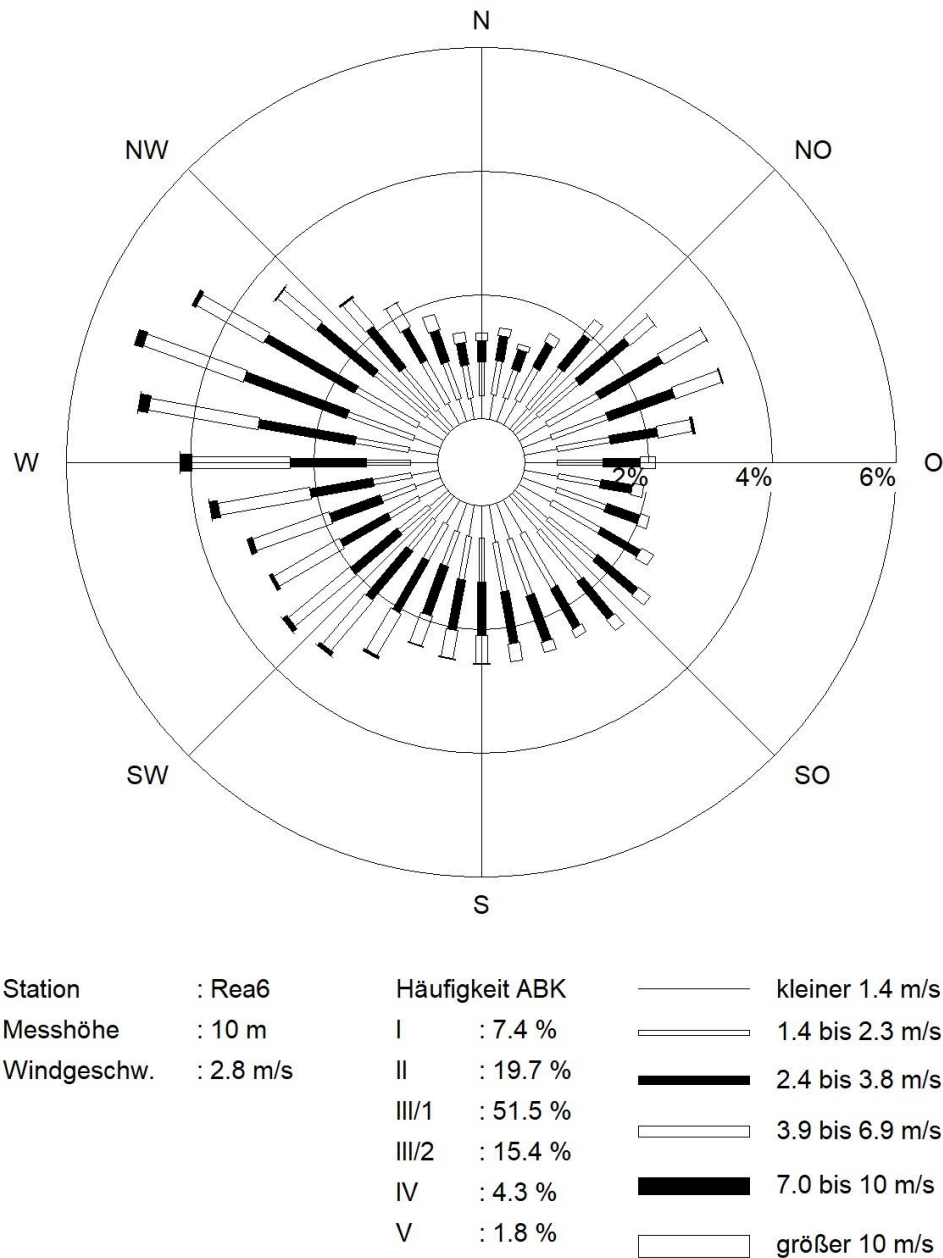


Abb. 4.4: Windrichtungs- und Windgeschwindigkeitsverteilung im Untersuchungsgebiet basierend auf Reanalysedaten aus dem Zeitraum 2008 bis 2017 (Quelle: DWD).

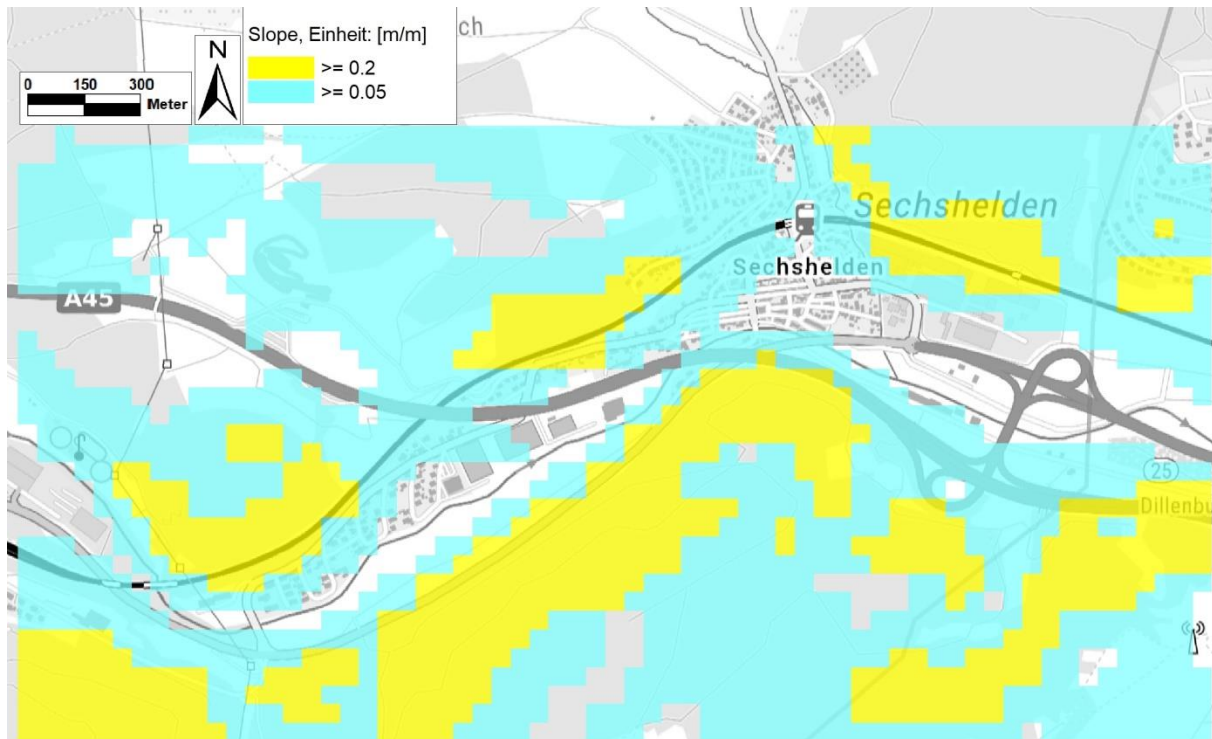


Abb. 4.5: Geländeneigung im inneren Rechengebiet entsprechend der Einteilung der VDI-Richtlinie 3783, Blatt 13

3783 Blatt 14 im Kapitel 6.2.3 „Berücksichtigung von Geländeunebenheiten“ bezüglich der Anwendung eines diagnostischen mesoskaligen Windfeldmodells, wie in LASAT integriert, auf die VDI-Richtlinie 3783 Blatt 13, Kapitel 4.9.3 „Berücksichtigung von Geländeunebenheiten“. Daraus leitet sich formal ab, die lokal vorherrschenden Strömungsverhältnisse mit einem prognostischen Windfeldmodell zu modellieren. Die Windfeldmodellierung erfolgt mit dem dafür geeigneten prognostischen, mesoskaligen Windfeldmodell ProWiMo. Das Modell ProWiMo ist nach Richtlinie VDI 3783 Blatt 7 (2017) validiert.

Die Modellierung der Strömungsverhältnisse im Untersuchungsgebiet basiert hierbei neben den atmosphärischen Eingangsparametern, wie beispielsweise Anströmrichtung und thermische Schichtung, auf einem digitalen Geländemodell und der räumlichen Verteilung der Landnutzung.

Die ProWiMo-Rechnungen werden auf einem numerischen Gitter mit einer Gesamtgröße von 30.3 km x 35.9 km durchgeführt. Diese Gitterausdehnung erfüllt die Mindestanforderung der Richtlinie VDI 3783 Blatt 16 (2020). Das Rechengitter der ProWiMo-Rechnungen hat einen

inneren, äquidistanten Bereich mit einer Auflösung von 50 m x 50 m, welcher einen Bereich von 11.5 km x 17.8 km abdeckt.

Es wurden entsprechend der VDI-Richtlinie VDI 3783 Blatt 16 (2020) insgesamt 72 ProWiMo-Windfelder mit einer Auflösung der Anströmrichtungen in 20°-Schritten für stabile, neutrale und labile atmosphärische Bedingungen (insgesamt 4 verschiedene Ausbreitungsklassen) berechnet. Entsprechend den Anforderungen der VDI-Richtlinie 3783 Blatt 16 (2020) an prognostische mesoskalige Windfelder für die Eignung als Ersatzanemometerposition (EAP) war eine Erweiterung des Rechengebietes nach Osten mittels Nesting erforderlich. In **Abb. 4.6** ist die Ausdehnung der zwei genesteten LASAT-Rechengitter inklusive ermittelter EAP aufgezeigt (kleiner schwarzer Rahmen entspricht feinem LASAT-Rechengitter mit horizontaler Auflösung 10 m x 10 m (Ausdehnung 3.2 km x 1.7 km), blaue Rahmen entspricht größerem LASAT-Rechengitter mit horizontaler Auflösung 20 m x 20 m (Ausdehnung 7.34 km x 1.9 km), Gesamtbereich entspricht ProWiMo-Rechengebiet); die Bestimmung der EAP erfolgte entsprechend der VDI-Richtlinie 3783 Blatt 16 (2020) mit dem Programm TAL-Anemo. Es wurde eine LASAT-Windfeldbibliothek mit einer Auflösung der Anströmrichtungen in 10°-Schritten für die beiden genesteten Rechengitter erstellt. An der Ersatzanemometerposition (EAP) wurde eine Ersatzanemometerhöhe von 15.7 m ermittelt. Die Bestimmung der Ersatzanemometerhöhe erfolgte entsprechend der VDI-Richtlinie 3783 Blatt 16 (2020) unter Berücksichtigung des von Waldvegetation geprägten Standorts der EAP. Für die LASAT-Rechengitter wird für die Ausbreitungsrechnung entsprechend der Ausprägung und räumlichen Verteilung der bestehenden Landnutzung eine mittlere Rauigkeit von 0.5 m angesetzt.

#### 4.4 Schadstoffhintergrundbelastung

Vom Hessischen Landesamt für Naturschutz, Umwelt und Geologie (HLNUG), vom Landesamt für Natur, Umwelt und Verbraucherschutz NRW (LANUV NRW) sowie vom Landesamt für Umwelt Rheinland-Pfalz (LfU RLP) werden Landesimmissionsmessnetze betrieben. Die Messdaten für die dem Betrachtungsgebiet nahe gelegenen Stationen sind auszugsweise in **Tab. 4.1** aufgeführt. Für die Beurteilung der Auswirkungen der Straßenverkehrsemissionen werden im vorliegenden Gutachten die Schadstoffe Stickstoffdioxid (NO<sub>2</sub>) und Stickoxide (NO<sub>x</sub>) betrachtet.

Die nächstgelegene Station ist Westerwald-Herdorf, ca. 20 km westlich vom Plangebiet. Sie steht in einem ländlich geprägten Landesteil in Rheinland-Pfalz und erfasst die regionalen

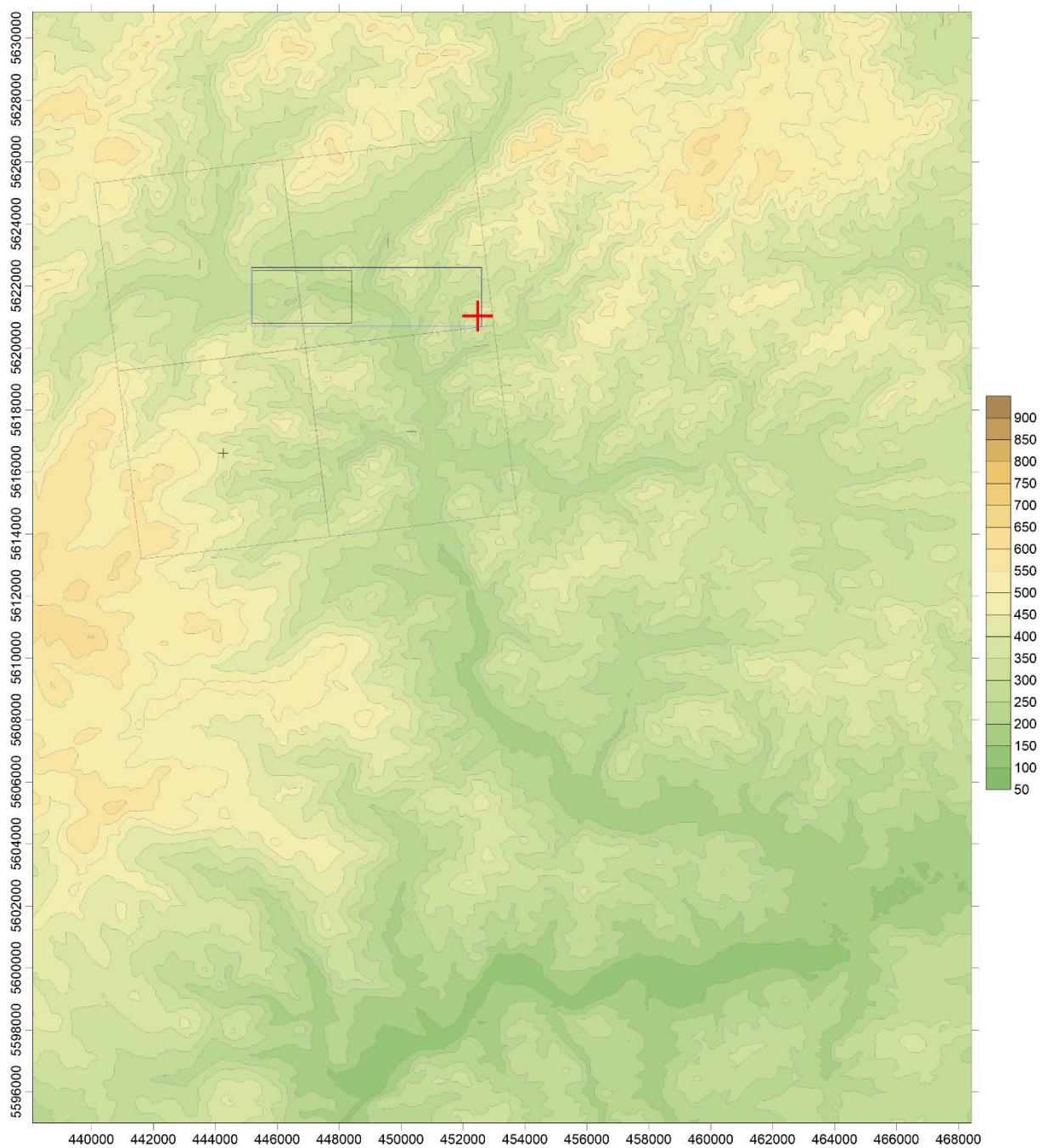


Abb. 4.6: Lage und Ausdehnung der Rechengitter (kleiner schwarzer Rahmen = feines LASAT-Rechengitter, blauer Rahmen = östlich erweitertes LASAT-Rechengitter, Gesamtbereich = ProWiMo-Rechengebiet) sowie Ersatzanemometerposition (rot) , ergänzt um Positionen der Standorte der Reanalyse-Daten (+) sowie den entsprechenden Rasterflächen der Reanalysedaten (grau)

| Schadstoffkomponente                                 | Zeitraum | Westerwald-Herdorf | Wetzlar | Linden/Leihgestern | Marburg | Marburg-Univers. Straße | Limburg | Netphen (Rothaargebirge) |
|------------------------------------------------------|----------|--------------------|---------|--------------------|---------|-------------------------|---------|--------------------------|
| NO <sub>2</sub><br>Jahresmittel in µg/m <sup>3</sup> | 2006     | 11                 | 36      | 23                 | 25      | 53                      | 30      | 9                        |
|                                                      | 2007     | 10                 | 34      | 21                 | 23      | 51                      | 29      | 8                        |
|                                                      | 2008     | 10                 | 34      | 21                 | 27      | 50                      | 27      | 8                        |
|                                                      | 2009     | 11                 | 38      | 21                 | 27      | 53                      | 29      | 10                       |
|                                                      | 2010     | 11                 | 33      | 20                 | 23      | 46                      | 28      | 5                        |
|                                                      | 2011     | 10                 | 33      | 19                 | 25      | 47                      | 28      | 5                        |
|                                                      | 2012     | 9                  | 31      | 19                 | 23      | 45                      | 26      | 4                        |
|                                                      | 2013     | 9                  | 32      | 18                 | 22      | 45                      | 26      | 5                        |
|                                                      | 2014     | 8                  | 31      | 17                 | 23      | 45                      | 25      | 5                        |
|                                                      | 2015     | 12                 | 29      | 19                 | 25      | 47                      | 25      | 7                        |
|                                                      | 2016     | 7                  | 29      | 18                 | 24      | 47                      | 23      | 6                        |
|                                                      | 2017     | 8                  | 28      | 17                 | 22      | 36                      | 22      | 6                        |
|                                                      | 2018     | 7                  | 30      | 16                 | 23      | 31                      | 24      | 5                        |
|                                                      | 2019     | 6                  | 28      | 15                 | 21      | 29                      | 22      | 3                        |
|                                                      | 2020     | 5                  | 24      | 14                 | 19      | 27                      | 20      | 3                        |
|                                                      | 2021     | v 6                | 22      | 13                 | 18      | 25                      | 19      | v 4                      |
| NO <sub>x</sub><br>Jahresmittel in µg/m <sup>3</sup> | 2006     | 14                 | 84      | 39                 | 47      | 161                     | 62      | -                        |
|                                                      | 2007     | 12                 | 78      | 38                 | 43      | 158                     | 58      | -                        |
|                                                      | 2008     | 12                 | 78      | 34                 | 47      | 158                     | 55      | -                        |
|                                                      | 2009     | 13                 | 89      | 36                 | 48      | 158                     | 62      | -                        |
|                                                      | 2010     | 13                 | 71      | 29                 | 38      | 122                     | 50      | -                        |
|                                                      | 2011     | 12                 | 78      | 32                 | 45      | 139                     | 60      | -                        |
|                                                      | 2012     | 11                 | 70      | 30                 | 40      | 136                     | 52      | -                        |
|                                                      | 2013     | 11                 | 70      | 29                 | 38      | 125                     | 50      | -                        |
|                                                      | 2014     | 9                  | 72      | 28                 | 41      | 126                     | 50      | -                        |
|                                                      | 2015     | 8                  | 63      | 30                 | 42      | 149                     | 51      | -                        |
|                                                      | 2016     | 9                  | 68      | 30                 | 40      | 150                     | 48      | -                        |
|                                                      | 2017     | 9                  | 59      | 25                 | 36      | 84                      | 44      | -                        |
|                                                      | 2018     | 8                  | 61      | 23                 | 35      | 63                      | 44      | -                        |
|                                                      | 2019     | 8                  | 59      | 22                 | 34      | 59                      | 42      | -                        |
|                                                      | 2020     | 7                  | 48      | 19                 | 28      | 52                      | 35      | -                        |
|                                                      | 2021     | -                  | 44      | 18                 | 28      | 47                      | 35      | -                        |

Tab. 4.1: Jahreskenngrößen der Luftschadstoff-Messwerte an Stationen in der Umgebung der A 45 bei Sechshelden (HLNUG 2007-2022; LANUV NRW 2007-2021; LfU RLP 2007-2021), v = vorläufige Werte (UBA, 2022b)

Hintergrundwerte. An der Station Netphen im Rothaargebirge (Entfernung ca. 21 km, nord-nordwestlich) werden NO<sub>2</sub>-Hintergrundkonzentrationen eines ländlichen Hintergrundes gemessen.

Die Station Linden/Leihgestern ist ebenfalls der Typisierung ländlicher Hintergrund zuzuordnen. Sie ist ca. 39 km südöstlich gelegen. Die Stationen in Marburg ca. 37 km westlich und Limburg ca. 41 km süd-südwestlich liegen in städtischen Bereichen. Die städtischen Hintergrundkonzentrationen besitzen ein höheres Niveau als Bergstationen. Die

verkehrsbeeinflusste Station Wetzlar befindet sich ca. 27 km in südöstlicher Richtung entfernt. In Dillenburg wurden bis 2005 Messdaten erfasst, die an der städtischen und verkehrsnahen Station noch über den Messwerten der städtischen Station Marburg lagen.

Interpretationen der NO<sub>2</sub>- und NO<sub>x</sub>-Messdaten hinsichtlich möglicher Entwicklungen sind mit Vorsicht zu versehen, da in den letzten Jahren in den Städten einerseits Maßnahmen der Luftreinhalteplanung mit entsprechend verringerten verkehrsbedingten Luftschadstoffbeiträgen ergriffen wurden, im Jahr 2019 überdurchschnittlich günstige Ausbreitungsbedingungen in Hessen vorlagen und die Jahre 2020 und 2021 außergewöhnliche Entwicklungen aufgrund intensiver Einschränkungen des öffentlichen und wirtschaftlichen Lebens aufwiesen.

Aus den aufgeführten Messdaten wurde in der vorgehenden Ausarbeitung in Anlehnung an die siedlungsnahen Stationen eine großräumige Hintergrundbelastung abgeleitet, die in **Tab. 4.2** aufgeführt ist und die unverändert übernommen wird.

| Schadstoff      | Jahresmittelwert |
|-----------------|------------------|
| NO <sub>2</sub> | 22               |
| NO <sub>x</sub> | 35               |

Tab. 4.2: Angesetzte Schadstoffhintergrundbelastung (Jahresmittel) in µg/m<sup>3</sup> im Untersuchungsgebiet 2017/2030

## 5 EMISSIONEN

### 5.1 Betrachtete Schadstoffe

Die Kraftfahrzeuge emittieren bei ihrem Betrieb eine Vielzahl von Schadstoffen. Die Relevanz dieser Schadstoffe ist recht unterschiedlich. Entsprechend der Aufgabenstellung sind hier die NO<sub>x</sub>-Emissionen zu betrachten. Für die Ermittlung der N-Deposition in den Boden werden zudem die Ammoniakemissionen (NH<sub>3</sub>) betrachtet.

### 5.2 Methode zur Bestimmung der Emissionsfaktoren

Zur Ermittlung der Emissionen werden die Verkehrsdaten und für jeden Luftschadstoff so genannte Emissionsfaktoren benötigt. Die Emissionsfaktoren sind Angaben über die pro mittlerem Fahrzeug der Fahrzeugflotte und Straßenkilometer freigesetzten Schadstoffmengen. Im vorliegenden Gutachten werden die Emissionsfaktoren für die Fahrzeugarten Leichtverkehr (LV) und Schwerverkehr (SV) unterschieden. Die Fahrzeugart LV enthält dabei die Pkw, die leichten Nutzfahrzeuge (INfz) inklusive zeitlicher Entwicklung des Anteils am LV nach TREMOD (2010) und die Motorräder, die Fahrzeugart SV versteht sich inklusive Lastkraftwagen, Sattelschleppern, Bussen usw.

Die Ermittlung der motorbedingten Emissionen erfolgt entsprechend der VDI-Richtlinie „Kfz-Emissionsbestimmung“ (VDI 3782 Blatt 7, 2020).

### 5.3 Motorbedingte Emissionsfaktoren

Entsprechend der Aufgabenstellung und den Konventionen des 2013 veröffentlichten BAST-Forschungsberichtes „Untersuchung und Bewertung von straßenverkehrsbedingten Nährstoffeinträgen in empfindliche Biotope“ sowie H PSE ist das Bezugsjahr 2030 zu betrachten.

Für die aktualisierte Planung werden die motorbedingten Emissionsfaktoren der Fahrzeuge einer Fahrzeugkategorie (Pkw, leichte Nutzfahrzeuge, Busse etc.) mit Hilfe des „Handbuchs für Emissionsfaktoren des Straßenverkehrs HBEFA“ Version 4.2 (UBA, 2022) berechnet.

Die motorbedingten Emissionen hängen für die Fahrzeugarten Pkw, INfz, Lkw und Busse im Wesentlichen ab von:

- den so genannten Verkehrssituationen („Fahrverhalten“), das heißt der Verteilung von Fahrgeschwindigkeit, Beschleunigung, Häufigkeit und Dauer von Standzeiten,
- der sich fortlaufend ändernden Fahrzeugflotte (Anteil Diesel etc.),

- der Zusammensetzung der Fahrzeugschichten (Fahrleistungsanteile der Fahrzeuge einer bestimmten Gewichts- bzw. Hubraumklasse und einem bestimmten Stand der Technik hinsichtlich Abgasemission, z. B. EURO 2, 3, ...) und damit vom Jahr, für welches der Emissionsfaktor bestimmt wird (= Bezugsjahr),
- der Längsneigung der Fahrbahn (mit zunehmender Längsneigung nehmen die Emissionen pro Fahrzeug und gefahrenem Kilometer entsprechend der Steigung deutlich zu, bei Gefällen weniger deutlich ab) und
- dem Prozentsatz der Fahrzeuge, die mit nicht betriebswarmem Motor betrieben werden und deswegen teilweise erhöhte Emissionen (Kaltstarteinfluss) haben.

Die Zusammensetzung der Fahrzeuge innerhalb der Fahrzeugkategorien wird für das zu betrachtende Bezugsjahr dem HBEFA (UBA, 2022) entnommen.

Die Längsneigung der Straßen ist aus Höhenplänen oder Lageplänen des Untersuchungsgebietes bekannt. Der Kaltstarteinfluss innerorts für PKW bzw. INfz wird entsprechend HBEFA angesetzt, sofern er in der Summe einen Zuschlag darstellt. Die Verkehrssituationen im Untersuchungsgebiet werden entsprechend den Gegebenheiten auf den einzelnen Streckenabschnitten, den Angaben des Auftraggebers für die Autobahn mit Tempo 130 km/h und den Auswahlmöglichkeiten des HBEFA festgelegt.

Für diese Ausarbeitung werden folgende Verkehrssituationen herangezogen:

|            |                                                             |
|------------|-------------------------------------------------------------|
| AB130      | Autobahn, Tempolimit 130 km/h, flüssiger Verkehr            |
| AB80       | Autobahn, Tempolimit 80 km/h, flüssiger Verkehr             |
| AO-HVS100  | Hauptverkehrsstraße, Tempolimit 100 km/h, flüssiger Verkehr |
| AO-HVS100d | Hauptverkehrsstraße, Tempolimit 100 km/h, dichter Verkehr   |
| AO-HVS70   | Hauptverkehrsstraße, Tempolimit 70 km/h, flüssiger Verkehr  |
| AO-HVS80   | Hauptverkehrsstraße, Tempolimit 80 km/h, flüssiger Verkehr  |
| AO-HVS80d  | Hauptverkehrsstraße, Tempolimit 80 km/h, dichter Verkehr    |
| IO-HVS50   | Hauptverkehrsstraße, Tempolimit 50 km/h, flüssiger Verkehr  |
| IO-HVS50d  | Hauptverkehrsstraße, Tempolimit 50 km/h, dichter Verkehr    |
| IO-HVS60   | Hauptverkehrsstraße, Tempolimit 60 km/h, flüssiger Verkehr  |
| IO-HVS60d  | Hauptverkehrsstraße, Tempolimit 60 km/h, dichter Verkehr.   |

Das „Handbuch für Emissionsfaktoren des Straßenverkehrs HBEFA“ Version 4.2 (UBA, 2022) berücksichtigt eine Korrektur der Emissionsfaktoren für Euro-6-Diesel-PKW sowie den Einfluss der Lufttemperatur auf die Organisation der Abgasnachbehandlungseinrichtung für Euro-4, Euro-5 und Euro-6-Diesel-PKW und leichte Nutzfahrzeuge. Diese relativen Anpassungen werden hier angewendet und berücksichtigen für das Betrachtungsgebiet bei Sechshelden eine mittlere Lufttemperatur von ca. 9°C im Zeitraum 2008 bis 2017 (Quelle DWD) an der Station Dillenburg, die der im HBEFA verwendeten mittleren deutschlandweiten Lufttemperatur von 9°C entspricht.

**Tab. 5.1** gibt einen Überblick über die im vorliegenden Fall jeweils angesetzten Verkehrssituationen, klassifiziert wie im HBEFA für Längsneigungsklassen in 2 %-Stufen für Gegenverkehrsstrecken, und die zugehörigen Emissionsfaktoren für das Bezugsjahr 2030 unter Angabe der mittleren Fahrgeschwindigkeiten. **Abb. 5.1** zeigt die angesetzten Verkehrssituationen für den Planfall.

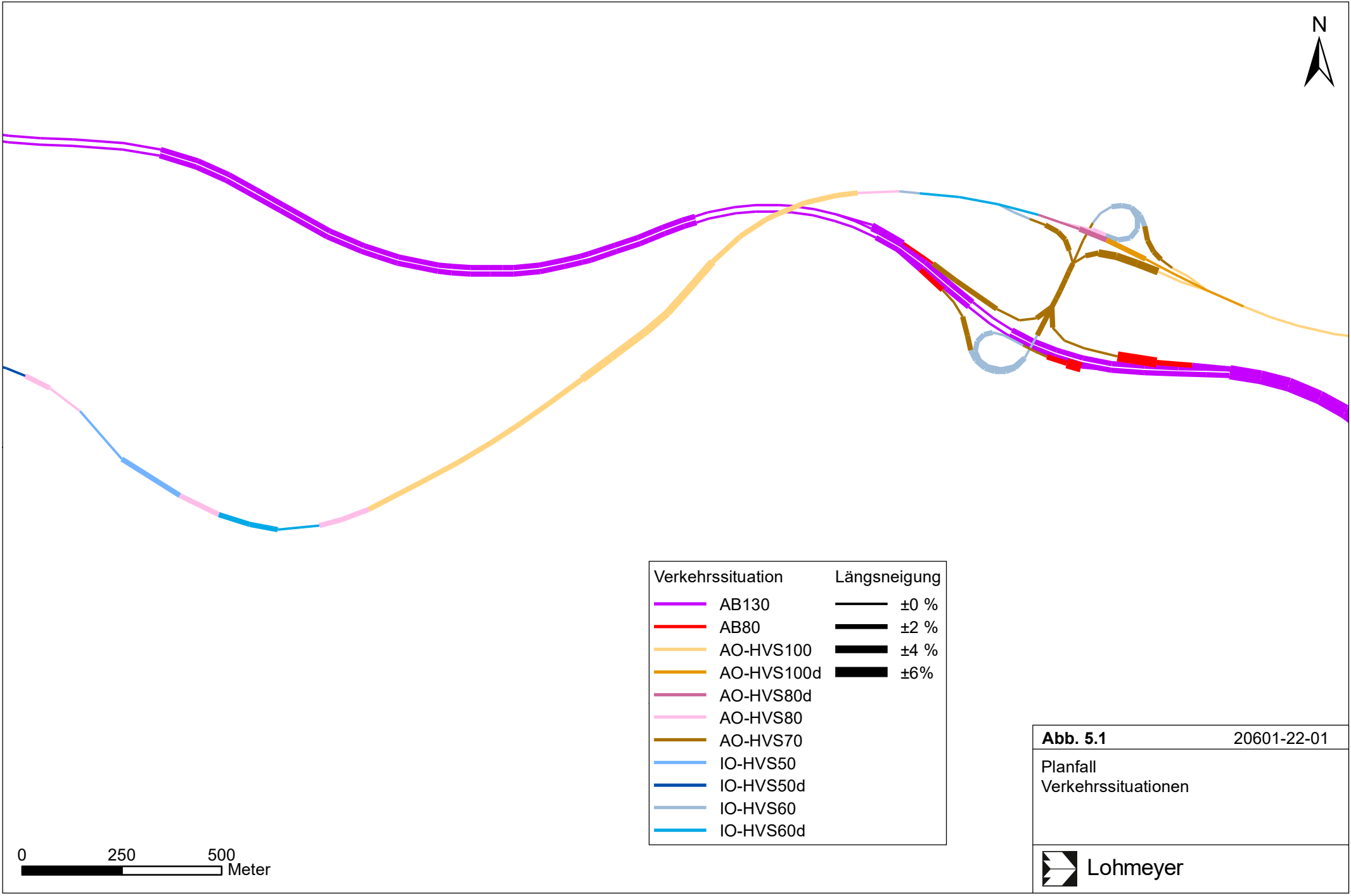
Die Emissionen der betrachteten Schadstoffe NO<sub>x</sub> und NH<sub>3</sub> werden für jeden der betrachteten Straßenabschnitte ermittelt. Dabei wirken sich sowohl die verschiedenen Verkehrsaufkommen und Lkw-Anteile als auch die unterschiedlichen Verkehrssituationen aus.

In **Tab. 5.2** sind exemplarisch die Verkehrskennwerte und die daraus abgeleiteten Emissionen für einen Straßenabschnitt der A 45 (Fahrtrichtung Dortmund) aufgeführt. Im Anhang A4 sind die Emissionen für das betrachtete Straßennetz dargestellt.

Mit der aktuellen Emissionsdatenbank HBEFA4.2 werden für das Bezugsjahr 2030 gegenüber der vorangegangenen Ausarbeitung für NO<sub>x</sub> und NH<sub>3</sub> etwas geringere Emissionen abgeleitet.

| Verkehrssituation | Längs-<br>nei-<br>gung | Ge-<br>schwindigkeit<br>(Pkw) | NO <sub>x</sub> |       | NH <sub>3</sub> |        |
|-------------------|------------------------|-------------------------------|-----------------|-------|-----------------|--------|
|                   |                        |                               | LV              | SV    | LV              | SV     |
| AB130             | ±0 %                   | 132.6                         | 0.173           | 0.351 | 0.0156          | 0.0126 |
| AB130             | ±2 %                   | 132.6                         | 0.189           | 0.642 | 0.0156          | 0.0126 |
| AB130             | +2 %                   | 132.6                         | 0.273           | 0.443 | 0.0156          | 0.0126 |
| AB130             | +4 %                   | 132.6                         | 0.406           | 0.562 | 0.0156          | 0.0126 |
| AB130             | -2 %                   | 132.6                         | 0.105           | 0.842 | 0.0156          | 0.0126 |
| AB130             | -4 %                   | 132.6                         | 0.067           | 0.145 | 0.0156          | 0.0126 |
| AB80              | ±0 %                   | 82.8                          | 0.066           | 0.347 | 0.0156          | 0.0126 |
| AB80              | ±2 %                   | 82.8                          | 0.075           | 0.994 | 0.0156          | 0.0126 |
| AB80              | ±6 %                   | 82.8                          | 0.138           | 0.359 | 0.0156          | 0.0126 |
| AB80              | +2 %                   | 82.8                          | 0.110           | 0.465 | 0.0156          | 0.0126 |
| AB80              | -2 %                   | 82.8                          | 0.040           | 1.523 | 0.0156          | 0.0126 |
| AB80              | -6 %                   | 82.8                          | 0.019           | 0.107 | 0.0156          | 0.0126 |
| AO-HVS100         | ±0 %                   | 94.0                          | 0.096           | 0.434 | 0.0145          | 0.0117 |
| AO-HVS100         | ±2 %                   | 94.0                          | 0.104           | 0.515 | 0.0145          | 0.0117 |
| AO-HVS100         | ±4 %                   | 94.0                          | 0.130           | 0.469 | 0.0145          | 0.0117 |
| AO-HVS100d        | ±0 %                   | 77.0                          | 0.079           | 0.427 | 0.0090          | 0.0116 |
| AO-HVS100d        | ±2 %                   | 77.0                          | 0.087           | 0.545 | 0.0090          | 0.0116 |
| AO-HVS70          | ±0 %                   | 67.0                          | 0.068           | 0.414 | 0.0090          | 0.0116 |
| AO-HVS70          | ±2 %                   | 67.0                          | 0.074           | 0.524 | 0.0090          | 0.0116 |
| AO-HVS70          | +2 %                   | 67.0                          | 0.102           | 0.553 | 0.0090          | 0.0116 |
| AO-HVS70          | -2 %                   | 67.0                          | 0.046           | 0.496 | 0.0090          | 0.0116 |
| AO-HVS70          | -4 %                   | 67.0                          | 0.032           | 0.311 | 0.0090          | 0.0116 |
| AO-HVS80          | ±0 %                   | 76.1                          | 0.074           | 0.429 | 0.0090          | 0.0116 |
| AO-HVS80          | ±2 %                   | 76.1                          | 0.080           | 0.513 | 0.0090          | 0.0116 |
| AO-HVS80          | -2 %                   | 76.1                          | 0.047           | 0.462 | 0.0090          | 0.0116 |
| AO-HVS80d         | ±0 %                   | 62.0                          | 0.068           | 0.430 | 0.0090          | 0.0116 |
| AO-HVS80d         | ±2 %                   | 62.0                          | 0.073           | 0.600 | 0.0090          | 0.0116 |
| IO-HVS50          | ±0 %                   | 49.0                          | 0.092           | 0.562 | 0.0087          | 0.0109 |
| IO-HVS50          | ±2 %                   | 49.0                          | 0.096           | 0.713 | 0.0087          | 0.0109 |
| IO-HVS50d         | ±0 %                   | 39.6                          | 0.113           | 0.685 | 0.0087          | 0.0109 |
| IO-HVS60          | ±0 %                   | 58.0                          | 0.092           | 0.511 | 0.0087          | 0.0109 |
| IO-HVS60          | ±2 %                   | 58.0                          | 0.097           | 0.639 | 0.0087          | 0.0109 |
| IO-HVS60          | +2 %                   | 58.0                          | 0.123           | 0.630 | 0.0087          | 0.0109 |
| IO-HVS60          | -2 %                   | 58.0                          | 0.071           | 0.647 | 0.0087          | 0.0109 |
| IO-HVS60d         | ±0 %                   | 47.1                          | 0.112           | 0.586 | 0.0087          | 0.0109 |
| IO-HVS60d         | ±2 %                   | 47.1                          | 0.117           | 0.710 | 0.0087          | 0.0109 |

Tab. 5.1: Emissionsfaktoren für die betrachteten Straßen im Untersuchungsgebiet für das Bezugsjahr 2030 nach HBEFA4.2



| <b>Variante</b>      | <b>DTV in<br/>Kfz/24h</b> | <b>SV-Anteil<br/>in %</b> | <b>Verkehrs-<br/>situation</b> | <b>NO<sub>x</sub> in<br/>mg/(m s)</b> | <b>NH<sub>3</sub> in<br/>mg/(m s)</b> |
|----------------------|---------------------------|---------------------------|--------------------------------|---------------------------------------|---------------------------------------|
| A 45 Prognosenußfall | 35 300                    | 24                        | AB130+2                        | 0.117                                 | 0.00573                               |
| A 45 Planfall        | 37 500                    | 24                        | AB130+2                        | 0.124                                 | 0.00609                               |

Tab. 5.2: Verkehrskennwerte und Emissionen an der A 45 in Fahrtrichtung Dortmund für das Jahr 2030 basierend auf HBEFA4.2

## 6 ERGEBNISSE MIT AUFWÄNDIGER WINDFELDBERECHNUNG

In die Berechnungen gehen die Emissionen der Kraftfahrzeuge (Kapitel 5) auf den berücksichtigten Straßen ein. Die Emissionen verursachen die verkehrsbedingte Zusatzbelastung im Untersuchungsgebiet. Die kritischen Werte zum Schutz des Ökosystems beziehen sich auf die Gesamtbelastung. Im Folgenden wird für  $\text{NO}_x$  die Gesamtbelastung diskutiert, welche sich aus der Überlagerung der großräumig vorhandenen Hintergrundbelastung (Kapitel 4) und der verkehrsbedingten Zusatzbelastung innerhalb des Untersuchungsgebietes zusammensetzt.

Für die Betrachtungen zum Schutz der Vegetation wird entsprechend den Empfehlungen des Stickstoffleitfadens H PSE (FGSV, 2019) bzw. des BAST-Forschungsberichtes „Untersuchung und Bewertung von straßenverkehrsbedingten Nährstoffeinträgen in empfindliche Biotope“ (BAST, 2013) und im Hinblick auf die Wirkung langfristiger Stickstoffeinträge das Bezugsjahr 2030 angesetzt. Im Untersuchungsgebiet werden für die betrachteten Untersuchungsfälle die  $\text{NO}_x$ -Immissionen in Bodennähe und die Stickstoffeinträge bei einer horizontalen Auflösung von 10 m x 10 m bestimmt.

Die Ergebnisse der Immissionsberechnungen mit aufwändiger, mesoskaliger prognostischer Windfeldberechnung sind in den nachfolgenden Abschnitten aufgezeigt. Die Immissionen sind grafisch aufbereitet und als farbige Abbildungen dargestellt. Die grafische Umsetzung der flächenhaften Immissionen erfolgt in Form von farbigen Rechtecken, deren Farbe bestimmten Konzentrationsintervallen zugeordnet ist. Die Zuordnung zwischen Farbe und Konzentrationsintervall ist jeweils in einer Legende angegeben. Entsprechend der Aufgabenstellung wird das Prognosejahr 2030 betrachtet.

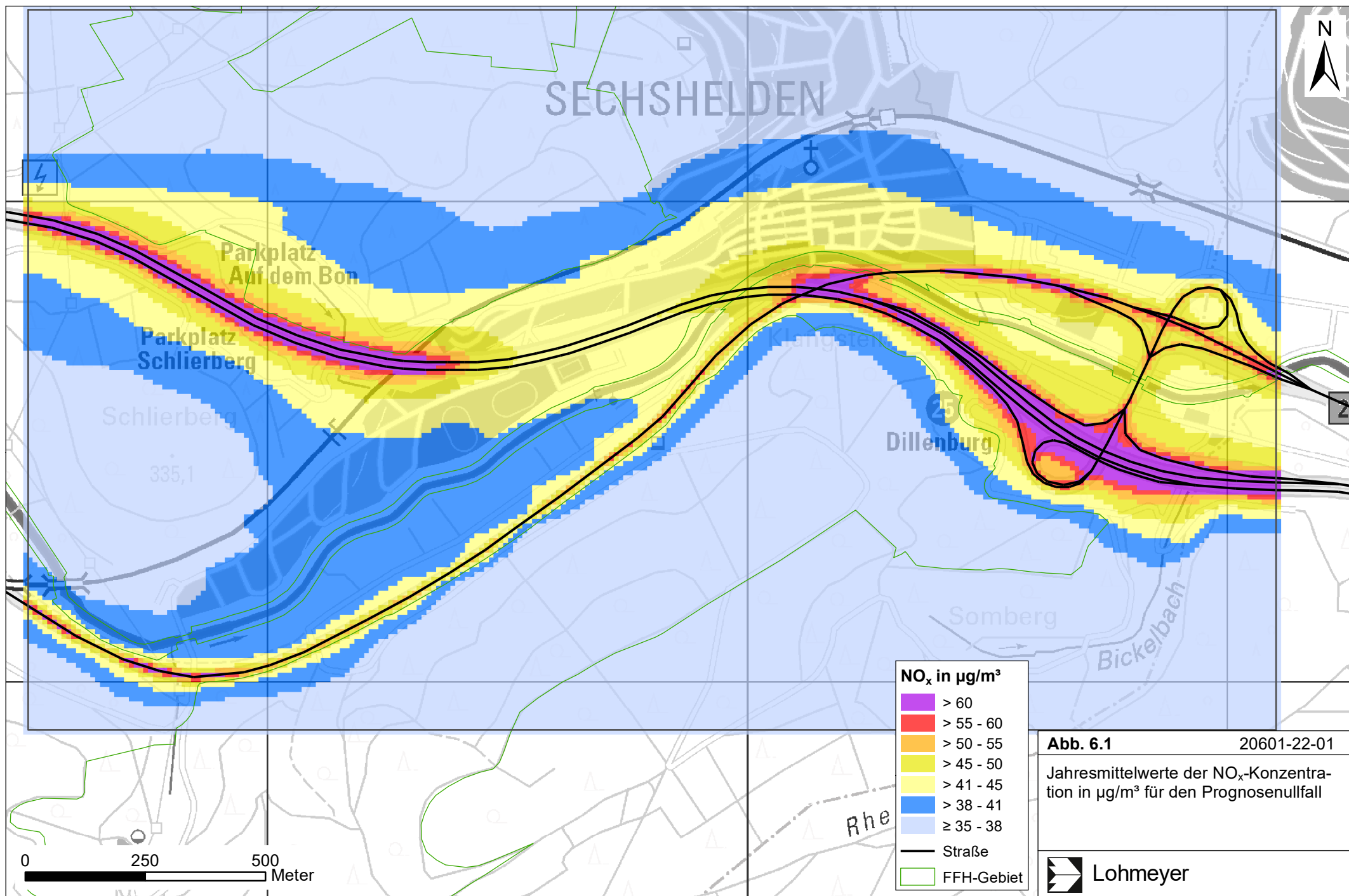
Als fachlicher Maßstab für die Beurteilung wird in der 39. BImSchV für  $\text{NO}_x$  ein kritischer Wert zum Schutz der Vegetation von  $30 \mu\text{g}/\text{m}^3$  im Jahresmittel angeführt. Dieser Wert zum Schutz der Vegetation ist nach der 39. BImSchV auf Bereiche anzuwenden, die mehr als 20 km von Ballungsräumen oder 5 km von anderen bebauten Gebieten, Industrieanlagen oder Bundesautobahnen oder Hauptstraßen mit einem täglichen Verkehrsaufkommen von mehr als 50 000 Fahrzeugen entfernt sind. Laut HLUG (2007) sind die Voraussetzungen für die Anwendung dieser kritischen Luftschadstoffbelastung im gesamten Landesgebiet Hessen nicht gegeben. Weiterhin überschreitet bereits die aus Messdaten mit  $35 \mu\text{g}/\text{m}^3$  abgeleitete Hintergrundbelastung diesen Wert. Zusätzlich gibt es die sog. „Critical Loads“ (kritische Eintragsraten), die wissenschaftlich begründete Zielwerte für N-Depositionen zum Schutz von Vegetationseinheiten darstellen. Die ökologische Beurteilung der Ergebnisse ist nicht Bestandteil des Gutachtens.

## 6.1 Stickstoffoxidimmissionen

**Abb. 6.1** bis **Abb. 6.2** zeigen die berechneten  $\text{NO}_x$ -Jahresmittelwerte der bodennahen Luftkonzentrationen (Gesamtbelastung aus Hintergrundbelastung und verkehrsbedingter Zusatzbelastung). Die  $\text{NO}_x$ -Hintergrundbelastung wurde aus Messdaten umliegender Stationen abgeleitet. FFH-Flächen sind in den Darstellungen grün umrandet.

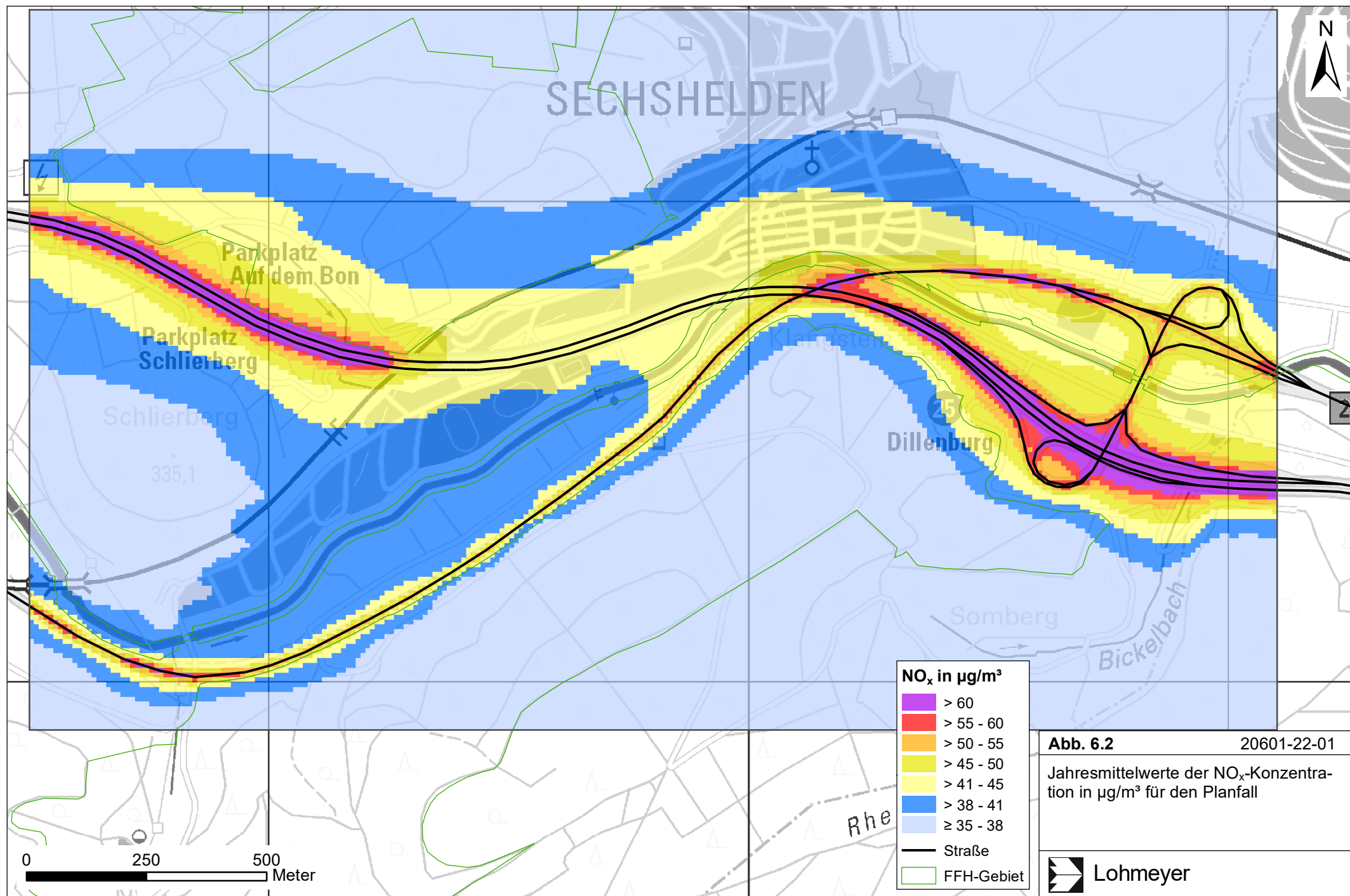
Im Prognose-Nullfall (siehe **Abb. 6.1**) werden im Nahbereich der A 45 sowie der B 277 hohe verkehrsbedingte  $\text{NO}_x$ -Immissionen berechnet. Im Bereich der Talbrücke werden aufgrund der günstigen Ausbreitungsbedingungen in größerer Höhe bodennah relativ geringe verkehrsbedingte  $\text{NO}_x$ -Immissionen ermittelt. Im FFH-Gebiet „Krombachswiesen und Struth bei Sechshelden“ (5215-305) werden am Randbereich an der A 45 durch den Kfz-Verkehr hohe  $\text{NO}_x$ -Immissionen bis teilweise leicht über  $60 \mu\text{g}/\text{m}^3$  prognostiziert. In dem FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) ist die  $\text{NO}_x$ -Gesamtbelastung mit teilweise über  $60 \mu\text{g}/\text{m}^3$  im Nahbereich der Fahrbahnen vergleichbar. In dem FFH-Gebiet „Wald und Grünland um Donsbach“ (5215-308) werden  $\text{NO}_x$ -Immissionen bis  $50 \mu\text{g}/\text{m}^3$  für das Prognosejahr 2030 berechnet. Im FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) werden südlich der A 45  $\text{NO}_x$ -Gesamtbelastungen überwiegend bis  $41 \mu\text{g}/\text{m}^3$  und nördlich davon nahe den Straßen mehr berechnet.

Im Planfall (siehe **Abb. 6.2**) werden an der A 45 und an der B 277 in FFH-Bereichen hohe  $\text{NO}_x$ -Immissionen vergleichbar mit dem Prognose-Nullfall berechnet; entlang der Brücke sind im Planfall etwas geringere  $\text{NO}_x$ -Immissionen prognostiziert. In dem FFH-Gebiet „Krombachswiesen und Struth bei Sechshelden“ (5215-305) werden am Randbereich an der A 45 durch den Kfz-Verkehr hohe  $\text{NO}_x$ -Immissionen bis teilweise gering über  $60 \mu\text{g}/\text{m}^3$  und gegenüber dem Prognose-Nullfall teilweise etwas erhöhte Werte dargestellt. In dem FFH-Gebiet „Wald und Grünland um Donsbach“ (5215-308) werden am Randbereich an der A 45 durch den Kfz-Verkehr hohe  $\text{NO}_x$ -Immissionen bis  $50 \mu\text{g}/\text{m}^3$  und gegenüber dem Prognose-Nullfall etwas erhöhte Werte dargestellt. Im FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) werden südlich der A 45  $\text{NO}_x$ -Gesamtbelastungen überwiegend bis  $41 \mu\text{g}/\text{m}^3$  und nördlich davon nahe den Straßen mehr berechnet, wobei gegenüber dem Prognose-Nullfall etwas geringere Werte dargestellt sind. Im Planfall werden weitgehend vergleichbare  $\text{NO}_x$ -Immissionen zum Prognose-Nullfall ermittelt. Durch den geplanten Lärmschutz auf der Brücke werden dort in der näheren Umgebung im Planfall leicht geringere  $\text{NO}_x$ -Belastungen berechnet.



**Abb. 6.1** 20601-22-01

Jahresmittelwerte der NO<sub>x</sub>-Konzentration in µg/m³ für den Prognosenullfall

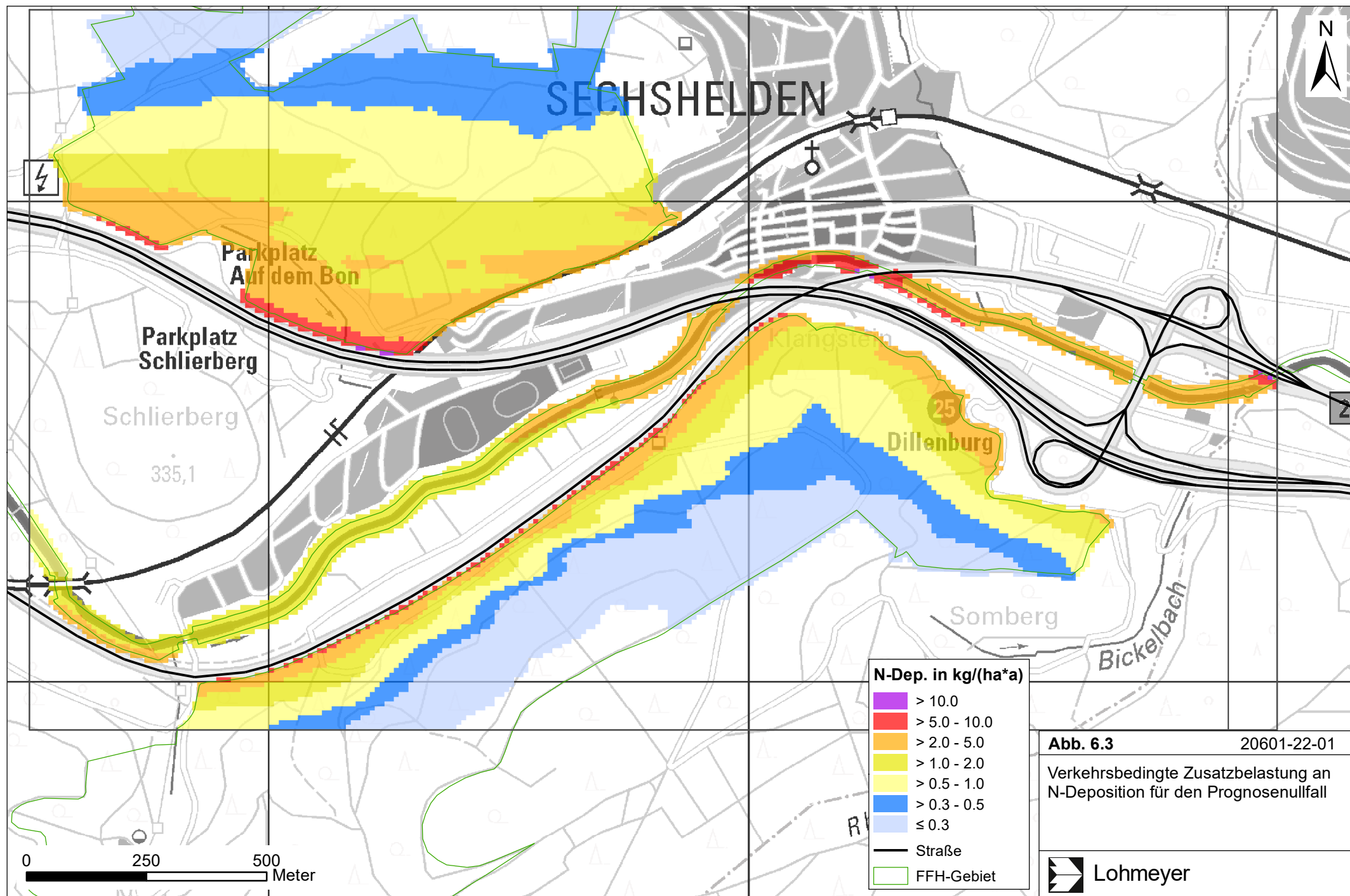


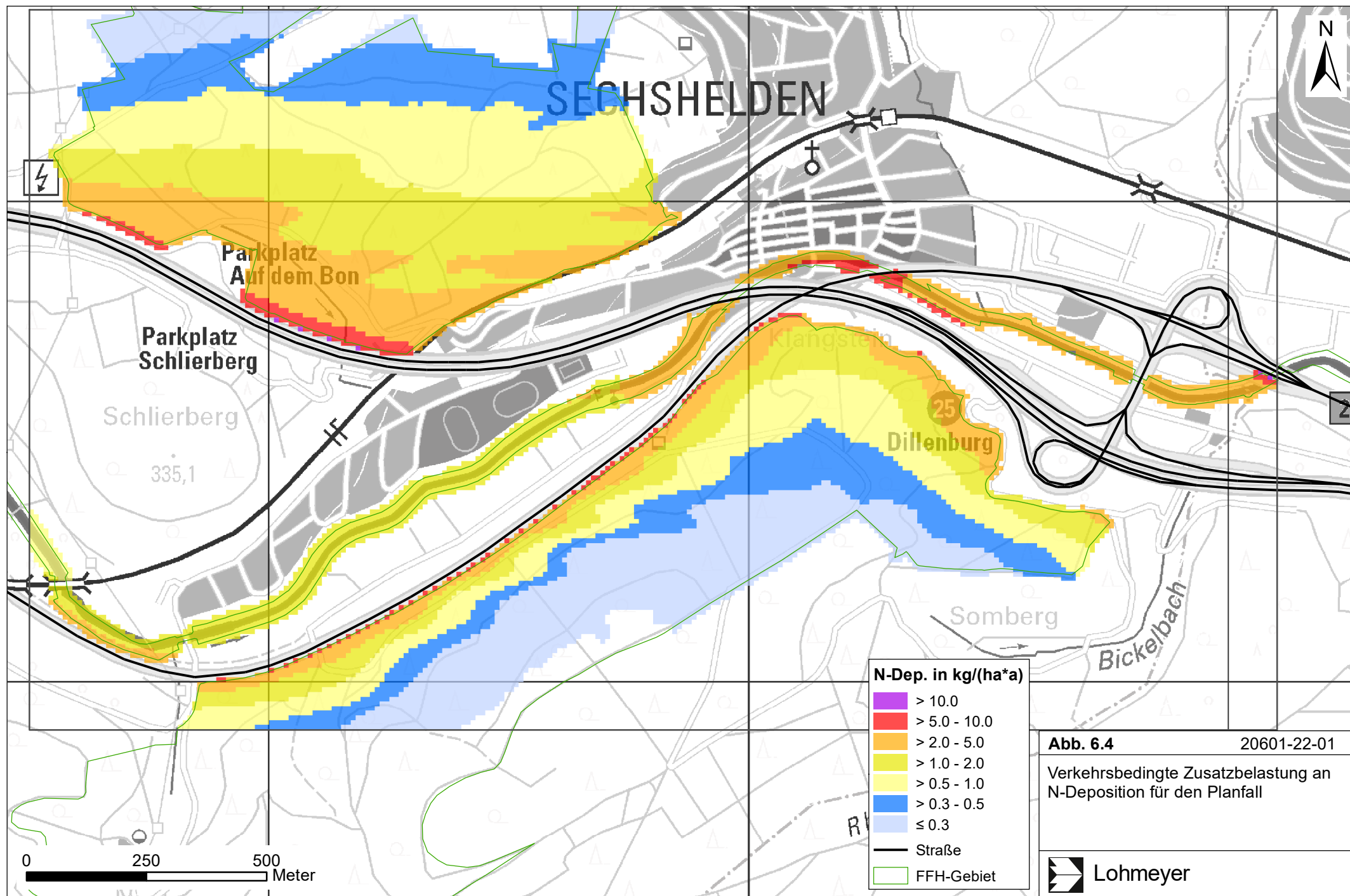
## 6.2 Stickstoffeintrag

**Abb. 6.3** und **Abb. 6.4** zeigen die berechneten verkehrsbedingten Zusatzbelastungen an Stickstoffeintrag in Böden (N-Deposition), resultierend aus straßenverkehrsbedingten  $\text{NO}_x$ - und Ammoniaketrägen des jeweiligen Betrachtungsfalles. Die FFH-Flächen sind in den Darstellungen wiederum grün umrandet. In der Legende ist eine Zuordnung der berechneten verkehrsbedingten Stickstoffeinträge mit den Farben gegeben. Die geringste Klasse ist entsprechend den Ausführungen des Stickstoffleitfadens H PSE (FGSV, 2019) bzw. des BAST-Forschungsberichtes (BAST, 2013) mit  $0.3 \text{ kg}/(\text{ha} \cdot \text{a})$  gewählt. Dies entspricht in den vorliegenden Berechnungen einer verkehrsbedingten  $\text{NO}_x$ -Zusatzbelastung (Jahresmittel) von etwa  $1 \mu\text{g}/\text{m}^3$ . Solch geringe Konzentrationen sind im Zusammenhang mit Messdaten kaum von Schwankungen der Hintergrundbelastung zu unterscheiden (vgl. **Tab. 4.1**). Damit ist bei dieser geringen Konzentration ein Vergleich von berechneten Immissionen mit Messdaten mit Unsicherheiten verbunden. Für geringere Konzentrationen bzw. Stickstoffeinträge sind weniger belastbare Aussagen gegeben.

Im Prognose-Nullfall (siehe **Abb. 6.3**) werden im FFH-Gebiet „Krombachswiesen und Struth bei Sechshelden“ (5215-305) Stickstoffeinträge vereinzelt über  $10 \text{ kg}/(\text{ha} \cdot \text{a})$  in einem schmalen Streifen entlang der A 45 berechnet. Ab einer Entfernung von 600 m von der A 45 werden in diesem FFH-Gebiet N-Depositionen bis  $0.3 \text{ kg}/(\text{ha} \cdot \text{a})$  ermittelt. Im FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) an der B 277-Querung werden ebenfalls auf kleiner Fläche verkehrsbedingte Stickstoffeinträge über  $10 \text{ kg N}/(\text{ha} \cdot \text{a})$  prognostiziert. Im FFH-Gebiet „Wald und Grünland um Donsbach“ (5215-308) werden Stickstoffdepositionen bis  $10 \text{ kg}/(\text{ha} \cdot \text{a})$  berechnet. Davon betroffen ist aber nur ein schmaler Streifen am Rand des FFH-Gebietes entlang der B 277.

Im Planfall (siehe **Abb. 6.4**) werden im Nahbereich der A 45 für das FFH-Gebiet „Krombachswiesen und Struth bei Sechshelden“ (5215-305) im Nordwesten des Untersuchungsgebietes vergleichbar mit dem Prognose-Nullfall verkehrsbedingte Stickstoffeinträge und nur vereinzelt an der A 45 über  $10 \text{ kg}/(\text{ha} \cdot \text{a})$  berechnet. In größeren Abständen zur A 45 (über 100 m) erhöhen sich die Stickstoffeinträge leicht gegenüber dem Prognose-Nullfall. In dem FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) werden Stickstoffeinträge vereinzelt über  $10 \text{ kg}/(\text{ha} \cdot \text{a})$  berechnet, die insbesondere durch die Beiträge der B 277 geprägt werden und im Prognose-Nullfall und Planfall vergleichbar sind. In dem FFH-Gebiet „Wald und Grünland um Donsbach“ (5215-308) werden Stickstoffeinträge ebenfalls bis  $10 \text{ kg}/(\text{ha} \cdot \text{a})$  berechnet, die insbesondere durch die Beiträge der B 277 geprägt werden und im Prognose-Nullfall und





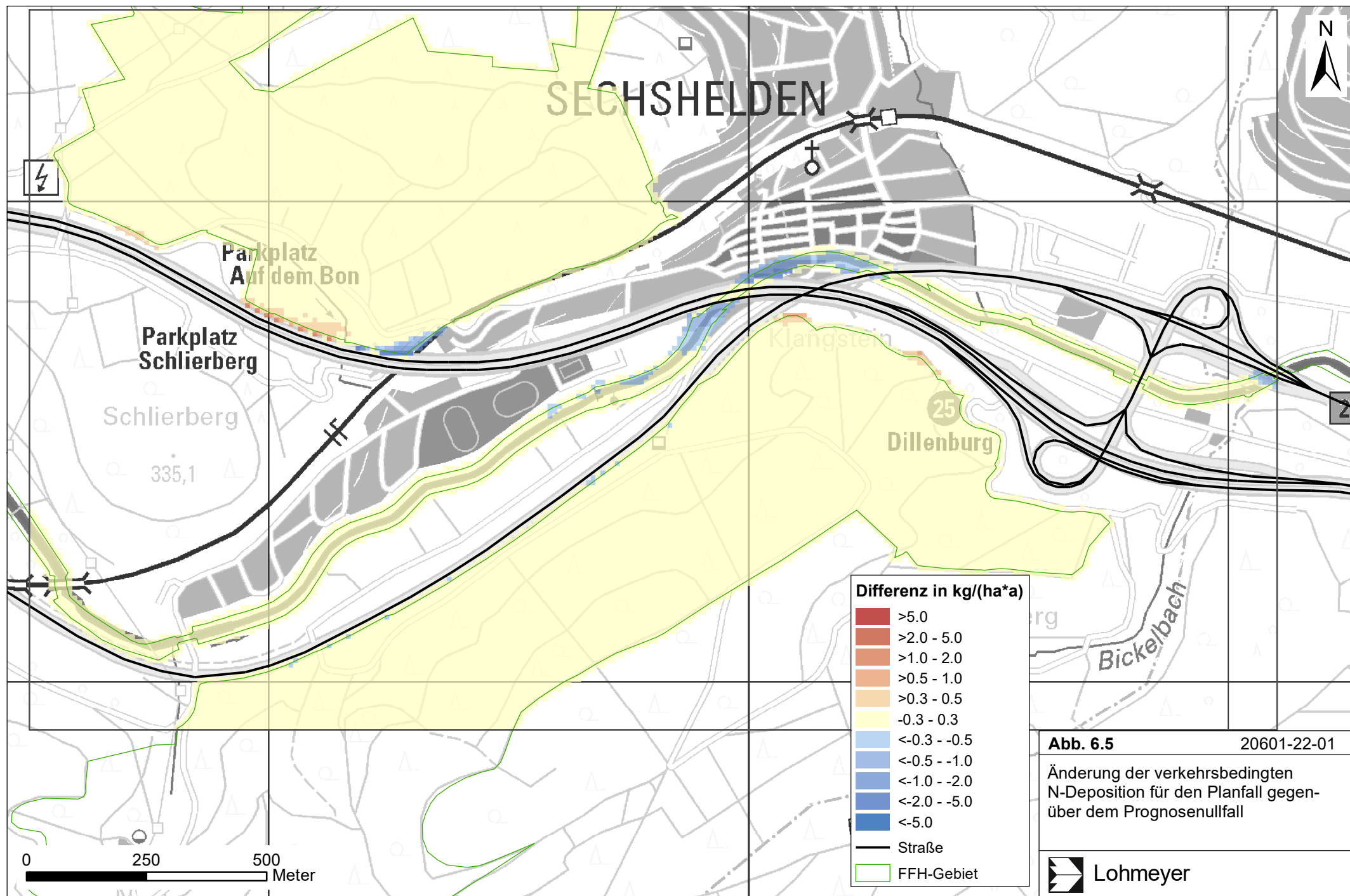
Planfall vergleichbar sind; nahe der A 45 sind im Planfall in diesem FFH-Gebiet leichte Erhöhungen gegenüber dem Prognose-Nullfall prognostiziert.

Die Änderungen der verkehrsbedingten Zusatzbelastung der N-Deposition im Planfall im Vergleich zum Prognose-Nullfall sind in **Abb. 6.5** dargestellt. Im Planfall werden im FFH-Gebiet „Krombachswiesen und Struth bei Sechshelden“ (5215-305) Verringerungen bis 2 kg/(ha\*a) prognostiziert, insbesondere bedingt durch die geplanten Lärmschutzwände auf der Brücke und den damit verbundenen günstigeren Ausbreitungsbedingungen der Schadgase. Eine Verringerung des Stickstoffeintrags ist aber nur im Nahbereich der Talbrücke zu verzeichnen. Entlang der A 45 werden in einem straßennahen Teilbereich Mehrbelastungen bis 1 kg/(ha\*a) bzw. vereinzelt bis 2 kg/(ha\*a) ermittelt. Im überwiegenden Teil des FFH-Gebietes betragen die Änderungen der Stickstoffeinträge deutlich weniger als 0.3 kg/(ha\*a).

Im FFH-Gebiet „Dill bis Herborn-Burg mit Zuflüssen“ (5215-306) werden durch die Erhöhung der Lärmschutzwand in Brückenlage trotz Verkehrszunahme Verringerungen der Stickstoffeinträge bis 2 kg/(ha\*a) berechnet. Dadurch werden bei Umsetzung des Planfalls die Stickstoffeinträge gegenüber dem Prognose-Nullfall im FFH-Gebiet leicht verringert.

Im FFH-Gebiet „Wald und Grünland um Donsbach“ (5215-308) werden geringe Änderungen im Planfall ermittelt. Die Veränderungen betragen überwiegend unter 0.3 kg/(ha\*a), im Randbereich des FFH-Gebietes auch leicht darüber mit Abnahmen am westlichen Rand nahe der B 277 und Zunahmen am nördlichen Rand nahe der A 45. Die Zunahmen über 0.3 kg/(ha\*a) betreffen sehr geringe Flächenanteile Richtung A 45.

Insgesamt wird auch mit Berücksichtigung der aktualisierten Kfz-Emissionsdatenbank HBEFA4.2 die prognostizierte Änderung des verkehrsbedingten Stickstoffeintrags derart bestätigt, dass für den Planfall nur auf sehr geringen Flächenanteilen der betrachteten FFH-Gebiete Änderungen des Stickstoffeintrags über der Bagatellschwelle von 0.3 kg/(ha\*a) zu erwarten sind.



## 7 QUELLEN

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## 7.2 Materialien und Unterlagen

Für die vorliegende Aktualisierung wurden u. a. zusätzlich die nachfolgenden Unterlagen verwendet, die u. a. durch den Auftraggeber zur Verfügung gestellt wurden:

- Lageplan der Immissionsschutzmaßnahmen (Sechshelden-Süd), INVER Stand 11.09.2020 mit der Ergänzung: Erhöhung der Lärmschutzwände Nord- und Südseite auf h=7.25 m, Neue Lärmschutzwand in Mittellage h=5.00 m.
- Lageplan der Immissionsschutzmaßnahmen (Sechshelden-Nord), INVER Stand 11.09.2020 mit der Ergänzung: Erhöhung der Lärmschutzwände Nord- und Südseite auf h=7.25 m, Neue Lärmschutzwand in Mittellage h=5.00 m.
- A 45, Ersatzneubau der Talbrücke Sechshelden, Unterlage 17.1 (2. Planänderung) Schalltechnische Untersuchung – Erläuterungen (INVER, September 2020)
- Digitales Geländemodell für Teile von Hessen, übergeben Dezember 2020.
- Digitales Landschaftsmodell für Teile von Hessen, übergeben Dezember 2020.
- Geländedaten für mesoskalige prognostische Windfeldberechnungen außerhalb Hessen und des inneren Rechengebietes: GlobDEM50, Corine-Landcover-Daten.

**A N H A N G A1**  
**BEURTEILUNGSWERTE FÜR LUFTSCHADSTOFFKONZENTRATIONEN AN KFZ-  
STRASSEN**

## A1 BEURTEILUNGSWERTE FÜR LUFTSCHADSTOFFKONZENTRATIONEN AN KFZ-STRASSEN

### A1.1 Grenzwerte

Durch den Betrieb von Kraftfahrzeugen entstehen eine Vielzahl von Schadstoffen, welche die menschliche Gesundheit gefährden können, z. B. Stickoxide ( $\text{NO}_x$  als Summe von  $\text{NO}$  und  $\text{NO}_2$ ), Kohlenmonoxid ( $\text{CO}$ ), Schwefeldioxid ( $\text{SO}_2$ ), Benzol, Partikel etc. Im vorliegenden Gutachten werden Konzentrationen bzw. Immissionen von Luftschadstoffen ermittelt. Deren Angabe allein vermittelt jedoch weder Informationen darüber, welche Schadstoffe die wichtigsten sind, noch einen Eindruck vom Ausmaß der Luftverunreinigung im Einflussbereich einer Straße. Erst ein Vergleich der Schadstoffkonzentrationen mit schadstoffspezifischen Beurteilungswerten, z. B. Grenz- oder Vorsorgewerten lässt Rückschlüsse auf die Luftqualität zu. Darauf wird im Folgenden eingegangen.

Grenzwerte sind rechtlich verbindliche Beurteilungswerte zum Schutz der menschlichen Gesundheit, der Vegetation oder des Bodens, die einzuhalten sind und nicht überschritten werden dürfen. Die in Deutschland für den Einflussbereich von Straßen maßgebenden Grenzwerte sind in der 39. BImSchV (2010) benannt, dort als Immissionsgrenzwert bezeichnet. Bezüglich verkehrsbedingter Luftschadstoffe sind derzeit  $\text{NO}_2$ ,  $\text{PM}_{10}$  und  $\text{PM}_{2.5}$  von Bedeutung, gelegentlich werden zusätzlich noch die Schadstoffe Benzol und Kohlenmonoxid betrachtet. Ruß wird nicht betrachtet, weil es nach Erscheinen der 33. BImSchV (2004) und dem damit erfolgten Zurückziehen der 23. BImSchV (1996) dafür keinen gesetzlichen Beurteilungswert mehr gibt. Ruß ist Bestandteil von  $\text{PM}_{10}$  und wird damit indirekt erfasst. Die Grenzwerte der 39. BImSchV sind in **Tab. A1.1** angegeben.

Ergänzend zu diesen Grenzwerten nennt die 39. BImSchV Toleranzmargen; das sind in jährlichen Stufen abnehmende Werte, um die der jeweilige Grenzwert innerhalb festgesetzter Fristen überschritten werden darf, ohne in Deutschland die Erstellung von Luftreinhalteplänen zu bedingen. Diese Werte werden als Übergangsbeurteilungswerte bezeichnet, sofern sie aufgrund der zeitlichen Zusammenhänge in den Betrachtungen der Planungen Berücksichtigung finden.

Zusätzliche Luftschadstoffe zu den genannten werden meist nicht betrachtet, da deren Immissionen in Deutschland typischerweise weit unterhalb der geltenden Grenzwerte liegen. In der 39. BImSchV (2010) werden auch Zielwerte für  $\text{PM}_{2.5}$ , Arsen, Kadmium, Nickel und

Benzo(a)pyren (BaP) in der Luft als Gesamtgehalt in der PM10-Fraktion über ein Kalenderjahr gemittelt festgesetzt. Ein Zielwert ist die nach Möglichkeit in einem bestimmten Zeitraum zu erreichende Immissionskonzentration, um die schädlichen Einflüsse auf die menschliche Gesundheit und die Umwelt insgesamt zu vermeiden, zu verhindern oder zu verringern. Die verkehrsbedingten Zusatzbelastungen dieser genannten Schadstoffe liegen selbst an stark befahrenen Hauptverkehrsstraßen meist deutlich unterhalb der Hintergrundbelastung und werden deshalb ebenfalls nicht mitbetrachtet.

| Stoff              | Mittelungszeit      | Grenzwert                                                | Geltungszeitpunkt |
|--------------------|---------------------|----------------------------------------------------------|-------------------|
| NO <sub>2</sub>    | Stundenmittelwert   | 200 µg/m <sup>3</sup> maximal 18 Überschreitungen / Jahr | seit 2010         |
| NO <sub>2</sub>    | Jahresmittelwert    | 40 µg/m <sup>3</sup>                                     | seit 2010         |
| Partikel (PM10)    | Tagesmittelwert     | 50 µg/m <sup>3</sup> maximal 35 Überschreitungen / Jahr  | seit 2005         |
| Partikel (PM10)    | Jahresmittelwert    | 40 µg/m <sup>3</sup>                                     | seit 2005         |
| Partikel (PM2.5)   | Jahresmittelwert    | 25 µg/m <sup>3</sup>                                     | seit 2015         |
| Benzol             | Jahresmittelwert    | 5 µg/m <sup>3</sup>                                      | seit 2010         |
| Kohlenmonoxid (CO) | 8 h gleitender Wert | 10 mg/m <sup>3</sup>                                     | seit 2005         |

Tab. A1.1: Immissionsgrenzwerte nach 39. BImSchV (2010) für ausgewählte (verkehrsrelevante) Schadstoffe

Der Inhalt der am 11. Juni 2008 in Kraft getretenen EU-Luftqualitätsrichtlinie 2008/50/EG ist mit der 39. BImSchV in nationales Recht umgesetzt. In der 39. BImSchV wurden u. a. die Inhalte der 22. BImSchV und 33. BImSchV zusammengefasst, sodass diese beiden BImSchV aufgehoben wurden. Ein neues Element der 39. BImSchV ist die Einführung eines Immissionsgrenzwertes für die Feinstaubfraktion PM2.5 (Partikel mit einem aerodynamischen Durchmesser von 2.5 µm), der ab dem 1. Januar 2015 einzuhalten ist.

## A1.2 Vorsorgewerte

Da der Vergleich von Luftschadstoffkonzentrationen mit Grenzwerten allein noch nicht ausreichend ist, um eine Luftschadstoffkonzentration zu charakterisieren, gibt es zusätzlich zu den

Grenzwerten so genannte Vorsorgewerte bzw. Zielwerte zur langfristigen Verbesserung der Luftqualität.

In der 39. BImSchV wird ergänzend zur Einhaltung des Grenzwertes als nationales Ziel gefordert, ab dem Jahr 2015 den Indikator für die durchschnittliche PM<sub>2.5</sub>-Exposition von 20 µg/m<sup>3</sup> im Jahresmittel einzuhalten. Die durchschnittliche PM<sub>2.5</sub>-Exposition für das Referenzjahr 2010 ist vom UBA festzustellen und basiert auf dem gleitenden Jahresmittelwert der Messstationen im städtischen und regionalen Hintergrund für die Jahre 2008 bis 2010. Ab dem Jahr 2020 soll als Zielwert eine reduzierte durchschnittliche PM<sub>2.5</sub>-Exposition eingehalten werden. Das Reduktionsziel beträgt in Abhängigkeit vom Ausgangswert im Referenzjahr 2010 bis zu 20%, mindestens jedoch soll das Ziel von 18 µg/m<sup>3</sup> im Jahr 2020 erreicht werden.

### **A1.3 Europäische Richtlinien zur Bewertung von Luftschadstoffen**

Die EU-Luftqualitätsrichtlinie 2008/50/EG ist mit ihrer Veröffentlichung im Amtsblatt der Europäischen Union am 11. Juni 2008 in Kraft getreten. Mit der 39. BImSchV hat die Bundesregierung die EU-Richtlinie weitgehend in nationales Recht umgesetzt.

Im Unterschied zur 39. BImSchV soll nach der EU-Luftqualitätsrichtlinie ab dem Jahr 2020 ein PM<sub>2.5</sub>-Richtgrenzwert von 20 µg/m<sup>3</sup> im Jahresmittel (Stufe 2 im Anhang XIV) zum Grenzwert werden. Im Jahr 2013 sollte dieser Richtgrenzwert von der EU-Kommission anhand zusätzlicher Informationen über die Auswirkungen auf Gesundheit und Umwelt, die technische Durchführbarkeit und die Erfahrungen mit dem Zielwert in den Mitgliedstaaten überprüft werden.

**A N H A N G A2**  
**BESCHREIBUNG DES NUMERISCHEN VERFAHRENS ZUR**  
**IMMISSIONSERMITTLUNG UND FEHLERDISKUSSION**

## **A2 BESCHREIBUNG DES NUMERISCHEN VERFAHRENS ZUR IMMISSIONSERMITTLUNG UND FEHLERDISKUSSION**

### **A2.1 PROKAS / LASAT- Berechnungsverfahren zur Bestimmung verkehrserzeugter Schadstoffbelastungen**

Für die Berechnung der Emissionen wird das mathematische Modell PROKAS verwendet, welches das umgebende Straßennetz bis in eine Entfernung von mehreren Kilometern vom Untersuchungspunkt berücksichtigt. Schadstoffbelastungen durch Ferntransport und andere Quellen (z. B. Industrie) werden durch PROKAS in der Hintergrundbelastung berücksichtigt.

Für die Rechnung wird das gesamte Straßennetz in kurze Linienquellen zerlegt. Mit diesem Aufteilen in Einzelquellen kann auch der Fall berücksichtigt werden, dass sich die Emissionen im Verlauf einer Straße ändern, zum Beispiel bei Geschwindigkeitsbeschränkung auf einem Teil einer Straße. Dann emittieren die Quellen, die dieses Straßenstück repräsentieren, mit einer anderen Quellstärke als die Quellen auf dem Straßenstück ohne Geschwindigkeitsbegrenzung. Für eine Bestimmung von Kurzzeitwerten ist es notwendig, die mit der Tageszeit veränderliche Verkehrsstärke zu berücksichtigen.

#### **Strömungs- und Ausbreitungsmodellierung**

Die Ausbreitung wird in der vorliegenden Ausarbeitung mit dem Lagrangeschen Partikelmodell LASAT, Version 3.4 (Janicke, 2017) simuliert. Die für das Planfeststellungsverfahren vorgelegte vorhergehende Ausarbeitung wurde mit dem damals aktuellen dem Lagrangeschen Partikelmodell LASAT, Version 3.3 (Janicke, 2015) durchgeführt. Das Ausbreitungsmodell LASAT (Beschreibung unten) berechnet die Ausbreitung von Spurenstoffen in der unteren Atmosphäre im mikro- und mesoskaligen Bereich. Es basiert auf einem Lagrange-Modell (Teilchensimulation), bei dem die Dispersion der Stoffteilchen in der Atmosphäre durch einen Zufallsprozess auf dem Computer simuliert wird. Für komplexes Gelände ist im meteorologischen Präprozessor ein diagnostisches Windfeldmodell integriert. Dreidimensionale Wind- und Turbulenzfelder, in denen z. B. der Einfluss von Gebäuden oder Unebenheiten des Geländes berücksichtigt sind, können auch explizit vorgegeben werden. Es können beliebig viele Emissionsquellen als Punkt-, Linien-, Flächen-, Raster- oder Volumenquellen definiert werden. Die meteorologischen Parameter der Ausbreitungsrechnung können als Zeitreihe vorgegeben werden. Es wird die über fortlaufende Zeitintervalle gemittelte dreidimensionale Konzentrationsverteilung der emittierten Spurenstoffe und die Massenstromdichte ihrer Deposition am Erdboden berechnet. Liegen die meteorologischen Daten als Zeitreihe über ein Jahr oder als

Jahresstatistik vor, können auch Jahresmittelwert und Perzentile berechnet werden. Im Nahbereich von Quellen kann die Ausbreitungsrechnung mit erhöhter räumlicher Auflösung durchgeführt werden.

### **Lärmschutzmaßnahmen**

Auch der Einfluss von Lärmschutzmaßnahmen endlicher Länge kann entsprechend der Arbeiten von Romberg et al. (1986) für die Bundesanstalt für Straßenwesen berücksichtigt werden. Die Wirkung der Lärmschutzwand wird als Anfangsverdünnung interpretiert, indem der Quellboxhöhe ein Wert  $\sigma_{z0}$  als additiver Term zugeschlagen wird. Das Ausbreitungsmodell ist in der Lage, für jede der Linienquellen einen eigenen Wert für  $\sigma_{z0}$  zu berücksichtigen.

### **Meteorologie**

Bezüglich der Meteorologie wird mit 36 verschiedenen Windrichtungsklassen, 9 verschiedenen Windgeschwindigkeitsklassen und 6 verschiedenen Ausbreitungsklassen gerechnet. Die Ausbreitungsklassen berücksichtigen, dass die Verdünnung der Abgase für eine gegebene Windrichtung und Windgeschwindigkeit auch noch von der Stabilität der Atmosphäre abhängt. So ist z. B. die Verdünnung bei "Inversionswetterlagen" schlechter als bei sonnigen "Normalwetterlagen". Insgesamt werden also  $36 \times 9 \times 6 = 1\,944$  Wetterlagen mit den jeweiligen Häufigkeiten berücksichtigt.

Als Rechenergebnis erhält man somit für jeden betrachteten Punkt unterschiedliche Konzentrationswerte mit der zugehörigen Häufigkeit, also der Angabe darüber, wie häufig die jeweiligen Konzentrationen pro Jahr auftreten. Aus diesen Ergebnissen wird dann eine Häufigkeitsverteilung hergestellt und es wird derjenige Wert bestimmt, der z. B. in 98% der Zeit unterschritten wird. Dies ist der gesuchte 98-Perzentilwert der Zusatzbelastung.

### **Ermittlung der Gesamtbelastung**

Die Ermittlung der Immissionskenngrößen für die Gesamtbelastung aus den Kenngrößen für die Hintergrundbelastung und die Zusatzbelastung erfolgt durch die Überlagerung der Beiträge.

Die Parametrisierung der Umwandlung des von Kraftfahrzeugen hauptsächlich emittierten NO in NO<sub>2</sub> erfolgt nach Romberg et al. (1996). Diese Vorgehensweise wurde durch Auswertungen von Messdaten der letzten Jahre bestätigt (Bächlin et al., 2006).

## A2.2 Beschreibung des Modells LASAT (Auszug aus dem Handbuch)

LASAT (Lagrange Simulation von Aerosol-Transport) ist ein Modell zur Berechnung der Ausbreitung von Spurenstoffen in der Atmosphäre, das in einem Computerprogramm realisiert ist. LASAT ist ein Episodenmodell, d. h. es berechnet den zeitlichen Verlauf der Stoffkonzentration in einem vorgegebenen Rechengebiet.

Bei der Ausbreitungsrechnung wird für eine Gruppe repräsentativer Stoffteilchen der Transport und die turbulente Diffusion durch einen Zufallsprozess auf dem Computer simuliert (Lagrange-Simulation).

LASAT ist konform mit der Richtlinie VDI 3945 Blatt 3 „Partikelmodelle“ (2020) und ist Grundlage des Ausbreitungsmodells AUSTAL der neuen TA Luft (2021), das vom Ing.-Büro Janicke im Auftrag des Umweltbundesamtes erstellt wurde.

Das Ausbreitungsmodell LASAT berechnet die Ausbreitung passiver Spurenstoffe in der unteren Atmosphäre (bis ca. 2000 m Höhe) im lokalen und regionalen Bereich (bis ca. 150 km Entfernung). Es basiert auf einem Lagrange-Modell (Teilchensimulation), bei dem die Dispersion der Stoffteilchen in der Atmosphäre durch einen Zufallsprozess auf dem Computer simuliert wird. Dies ist — seit der Version 2.00 — ein Markov-Prozess für die Orts- und Geschwindigkeitskomponenten eines Simulationsteilchens, der Zeitschritte bis zum Doppelten der Lagrange-Korrelationszeit zulässt.

Es werden folgende physikalische Vorgänge zeitabhängig simuliert:

- • Transport durch den mittleren Wind,
- • Dispersion in der Atmosphäre,
- • Sedimentation schwerer Aerosole,
- • Deposition am Erdboden (trockene Deposition),
- • Auswaschen der Spurenstoffe durch Regen und nasse Deposition,
- • Chemische Umwandlungen erster Ordnung,
- • Gamma-Submersion (Wolkenstrahlung) bei radioaktiven Stoffen.

Eine Abgasfahnenüberhöhung wird parametrisch erfasst. Das Gelände kann eben oder gegliedert sein und Gebäude enthalten, deren Umströmung berücksichtigt wird. In ebenem

Gelände werden die zeitabhängigen meteorologischen Größen durch ein ebenes Grenzschichtmodell beschrieben. Dieses greift auf einfache Parameter zur Charakterisierung der Wettersituation zurück, wie z. B. eine Klassierung nach TA Luft oder KTA, oder es wird direkt über die Monin-Obukhov-Länge und die Mischungsschichthöhe parametrisiert. Darüber hinaus können aber auch Vertikalprofile, wie sie von SODAR-Geräten zur Verfügung gestellt werden, oder Messreihen eines Ultraschall-Anemometers verarbeitet werden.

Für komplexes Gelände ist im meteorologischen Präprozessor ein diagnostisches Windfeldmodell integriert, das für indifferente und stabile Schichtung einsetzbar ist. Das diagnostische Windfeldmodell kann auch die Umströmung von Gebäuden berechnen und dabei die im Lee auftretende Rezirkulation und die erhöhte Turbulenz modellieren. Gebäude dürfen auch in gegliedertem Gelände stehen. Dreidimensionale Wind- und Turbulenzfelder können auch explizit vorgegeben werden. Die Struktur der hierfür benötigten Datendateien ist voll dokumentiert.

Es können beliebig viele Emissionsquellen als Punkt-, Linien-, Flächen-, Raster- oder Volumenquellen definiert werden. Die meisten Parameter der Ausbreitungsrechnung - insbesondere die Quellstärken bzgl. der einzelnen Stoffkomponenten, Quellorte, Umwandlungsraten, Depositionsgeschwindigkeiten - können als Zeitreihe vorgegeben werden.

Es wird die über fortlaufende Zeitintervalle gemittelte dreidimensionale Konzentrationsverteilung der emittierten Spurenstoffe und die Stoffstromdichte ihrer Deposition am Erdboden berechnet. Die Größe des Mittelungsintervalles ist vorgebar.

Die horizontale räumliche Auflösung beträgt typischerweise 1 bis 3% des gesamten Rechengebietes. Für den bei Teilchensimulationen immer auftretenden Stichprobenfehler (er kann durch Erhöhung der Teilchenzahl beliebig verringert werden) wird während der Ausbreitungsrechnung ein Schätzwert berechnet. Diese Schätzung ermöglicht es dem Programm, die Fluktuationen in der berechneten Konzentrationsverteilung ohne systematische Verfälschung zu glätten. Neben der vollen dreidimensionalen Verteilung wird für vorgebbare Monitorpunkte die Zeitreihe von Konzentration und Deposition ausgerechnet.

Liegen die meteorologischen Daten als Zeitreihe über ein Jahr oder als Jahresstatistik vor, können auch Jahresmittelwert und Perzentile berechnet werden. Im Nahbereich von Quellen kann die Ausbreitungsrechnung mit erhöhter räumlicher Auflösung durchgeführt werden. Hierzu werden mehrere Rechennetze ineinander geschachtelt, deren Maschenweite sich von

Netz zu Netz um einen Faktor 2 ändert. Die berechnete Konzentrationsverteilung kann auf jedem der Netze dargestellt werden.

### **A2.3 Fehlerdiskussion**

Immissionsprognosen als Folge der Emissionen des KFZ-Verkehrs sind ebenso wie Messungen der Schadstoffkonzentrationen fehlerbehaftet. Bei der Frage nach der Zuverlässigkeit der Berechnungen und der Güte der Ergebnisse stehen meistens die Ausbreitungsmodelle im Vordergrund. Die berechneten Immissionen sind aber nicht nur abhängig von den Ausbreitungsmodellen, sondern auch von einer Reihe von Eingangsinformationen, wobei jede Einzelne dieser Größen einen mehr oder weniger großen Einfluss auf die prognostizierten Konzentrationen hat. Wesentliche Eingangsgrößen sind die Emissionen, die Bebauungsstruktur, meteorologische Daten und die Vorbelastung.

Es ist nicht möglich, auf Basis der Fehlerbandbreiten aller Eingangsdaten und Rechenschritte eine klassische Fehlerberechnung durchzuführen, da die Fehlerbandbreite der einzelnen Parameter bzw. Teilschritte nicht mit ausreichender Sicherheit bekannt sind. Es können jedoch für die einzelnen Modelle Vergleiche zwischen Naturmessungen und Rechnungen gezeigt werden, anhand derer der Anwender einen Eindruck über die Güte der Rechenergebnisse erlangen kann.

In einer Sensitivitätsstudie für das Projekt "Europäisches Forschungszentrum für Maßnahmen zur Luftreinhaltung - PEF" (Flassak et al., 1996) wird der Einfluss von Unschärfen der Eingangsgrößen betrachtet. Einen großen Einfluss auf die Immissionskenngrößen zeigen demnach die Eingangsparameter für die Emissionsberechnungen sowie die Bebauungsdichte, die lichten Abstände zwischen der Straßenrandbebauung und die Windrichtungsverteilung.

Hinsichtlich der Fehlerabschätzung für die KFZ-Emissionen ist anzufügen, dass die Emissionen im Straßenverkehr bislang nicht direkt gemessen, sondern über Modellrechnungen ermittelt werden. Die Genauigkeit der Emissionen ist unmittelbar abhängig von den Fehlerbandbreiten der Basisdaten (d. h. Verkehrsmengen, Emissionsfaktoren, Fahrleistungsverteilung, Verkehrsablauf).

Nach BASt (1986) liegt die Abweichung von manuell gezählten Verkehrsmengen (DTV) gegenüber simultan erhobenen Zähldaten aus automatischen Dauerzählstellen bei ca. 10%.

Für die statistische Fehlerbandbreite der NO<sub>x</sub>-Emissionsfaktoren mit warmem Motor gibt Kühlwein (2004) auf der Basis der Ermittlungen des TÜV Rheinland Abschätzungen von 10% bis 20% für Autobahnen bzw. Innerortsstraßen an. Aussagen über die statistischen Fehler bei der Berücksichtigung von Kaltstartkorrekturen sind nach Angaben des Autors nicht möglich.

Weitere Fehlerquellen liegen in der Fahrleistungsverteilung innerhalb der nach Fahrzeugschichten aufgeschlüsselten Fahrzeugflotte, dem Anteil der mit nicht betriebswarmem Motor gestarteten Fahrzeuge (Kaltstartanteil) und der Modellierung des Verkehrsablaufs. Je nach betrachtetem Schadstoff haben diese Eingangsdaten einen unterschiedlich großen Einfluss auf die Emissionen. Untersuchungen haben beispielsweise gezeigt, dass die Emissionen, ermittelt über Standardwerte für die Anteile von leichten und schweren Nutzfahrzeugen und für die Tagesganglinien im Vergleich zu Emissionen, ermittelt unter Berücksichtigung entsprechender Daten, die durch Zählung erhoben wurden, Differenzen im Bereich von +/-20% aufweisen.

Die Güte von Ausbreitungsmodellierungen war Gegenstand weiterer PEF-Projekte (Röckle & Richter, 1995 und Schädler et al., 1996). Schädler et al. führten einen ausführlichen Vergleich zwischen gemessenen Konzentrationskenngrößen in der Göttinger Straße, Hannover, und MISKAM-Rechenergebnissen durch. Die Abweichungen zwischen Mess- und Rechenergebnissen lagen im Bereich von 10%, wobei die Eingangsdaten im Fall der Göttinger Straße sehr genau bekannt waren. Bei größeren Unsicherheiten in den Eingangsdaten sind höhere Rechenunsicherheiten zu erwarten. Dieser Vergleich zwischen Mess- und Rechenergebnissen dient der Validierung des Modells, wobei anzumerken ist, dass sowohl Messung als auch Rechnung fehlerbehaftet sind.

Hinzuzufügen ist, dass der Fehler der Emissionen sich direkt auf die berechnete Zusatzbelastung auswirkt, nicht aber auf die Vorbelastung, d. h., dass die Auswirkungen auf die Gesamtmissionsbelastung geringer sind.

**A N H A N G A3**  
**BESCHREIBUNG DES**  
**PROGNOSTISCHEN MESOSKALIGEN WINDFELDMODELLS**  
**PROWIMO**

### **A3 BESCHREIBUNG DES PROGNOTISCHEN MESOSKALIGEN WINDFELDMODELLS PROWIMO**

PROWIMO ist ein prognostisches mesoskaliges Modell und ist vom physikalischen Inhalt vergleichbar mit den in Deutschland eingeführten Modellen METRAS-PC (Schlünzen et. al, 2001) und FITNAH (Nielinger & Kost, 2004). Das Modell PROWIMO ist validiert (Flassak 2016, 2017) nach Richtlinie VDI 3783 Blatt 7 (2017).

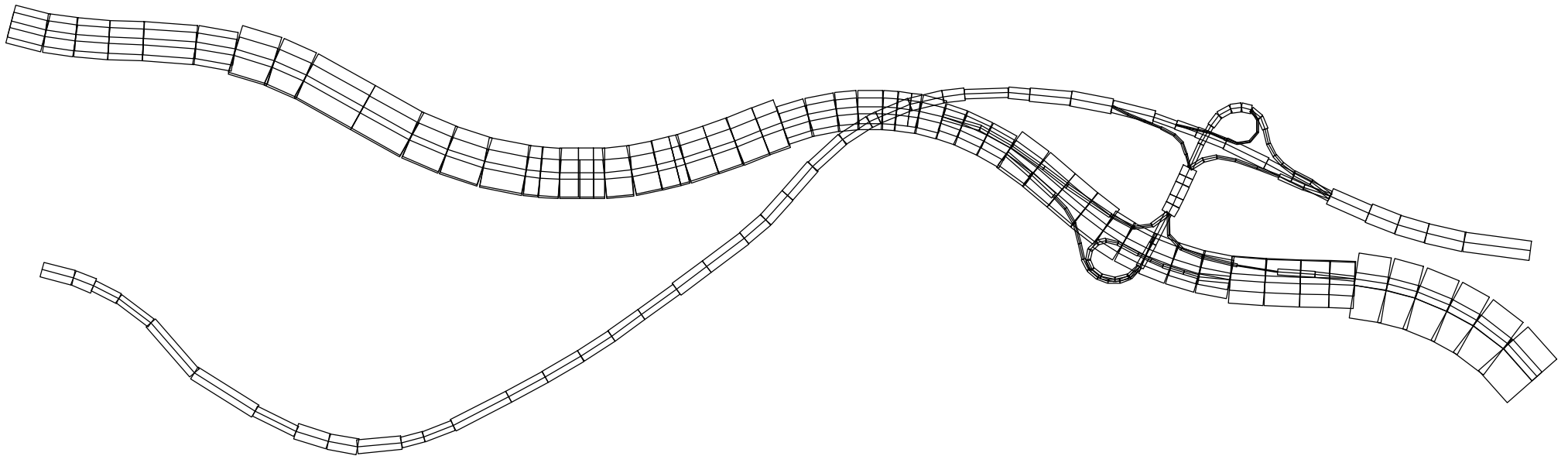
Das Modell PROWIMO basiert auf Flassak (1990) und wurde seit dem Jahr 2015 im Ingenieurbüro Lohmeyer komplett neu programmiert und erweitert und in der Lohmeyer GmbH fortgeführt. Zum Beispiel werden für klimatologische Bewertungen die Größen PMV (Predicted Mean Vote) und die "gefühlte Temperatur" nach VDI 3787 Blatt 2 (2008) bestimmt. PROWIMO ist geeignet, lokal vorherrschende Strömungs- und Temperaturverhältnisse gemäß den Anforderungen der VDI 3783 Blatt 7 (2017) genau zu modellieren. Das Modell bietet die Möglichkeiten, individuell auf standortspezifische Gegebenheiten angepasst zu werden.

Das Modell PROWIMO beruht auf den physikalischen Erhaltungsgleichungen für Impuls, Masse und Energie, die in Flussform dreidimensional numerisch gelöst werden. Prognostisch werden Wind (= Komponenten  $u$ ,  $v$ ,  $w$ ), potenzielle Temperatur und Feuchte sowie die Oberflächentemperatur und Oberflächenfeuchte berechnet. Diagnostisch ermittelt werden der nichthydrostatische und der hydrostatische Druckanteil, die Temperatur, die Diffusionskoeffizienten, die Schubspannungsgeschwindigkeit, die Skalengrößen für Temperatur und andere skalare Größen.

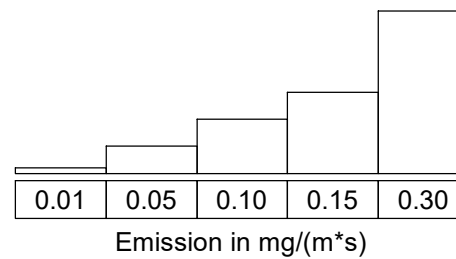
Im Modell werden die anelastische Approximation und die Business-Approximation verwendet. Die hydrostatische Approximation wird nur für den großskaligen Grundzustand und den hydrostatischen Druckanteil als gültig vorausgesetzt. Für den nichthydrostatischen Druckanteil wird eine elliptische Differentialgleichung im bodenfolgenden Koordinatensystem gelöst. Die subskaligen turbulenten Flüsse werden über eine Schließung 1. Ordnung parametrisiert.

Die vollständige Dokumentation zu dem Modell PROWIMO (physikalische Grundlagen, Approximationen, numerische Verfahren, Rand- und Anfangsbedingungen, Parametrisierungen) ist zu finden in Flassak (1990).

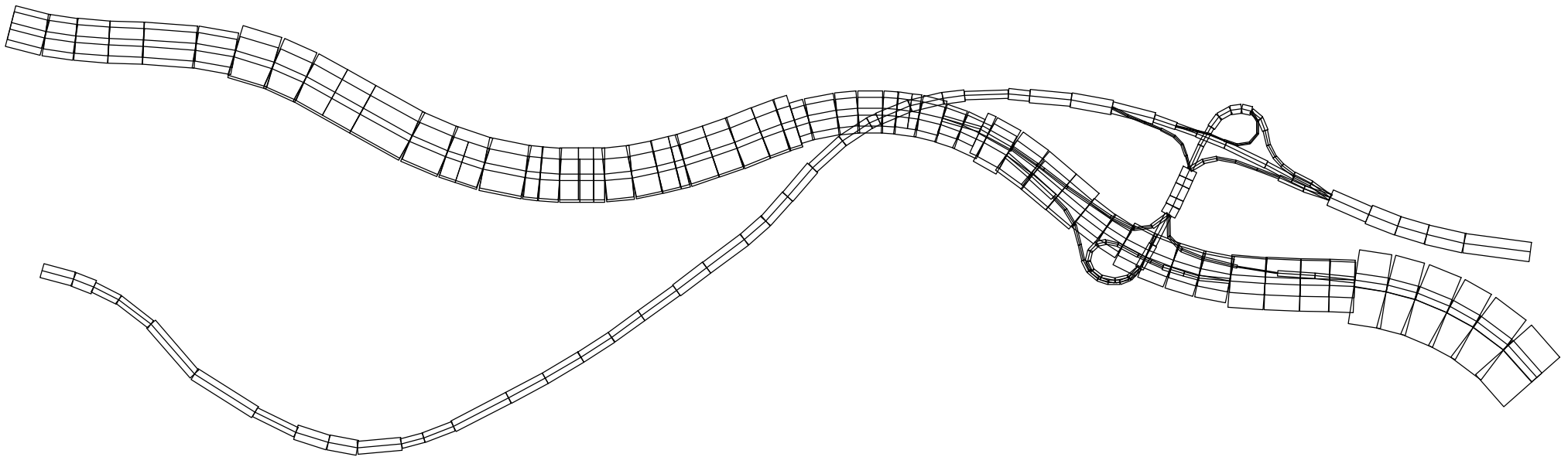
**A N H A N G A4**  
**EMISSIONEN DER STRASSENABSCHNITTE**



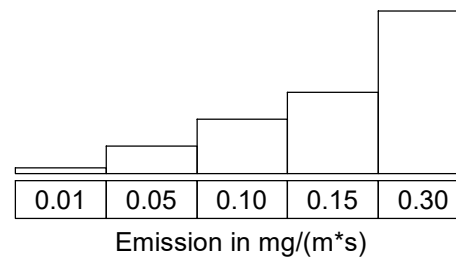
0 250 500  
Meter



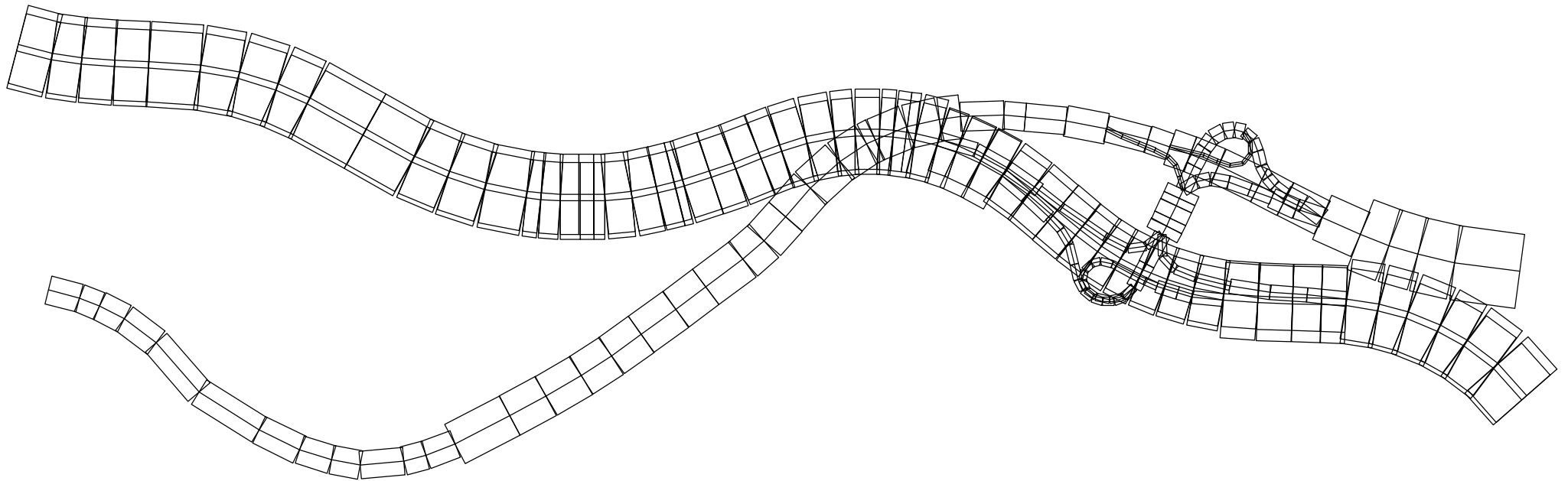
**Abb. A4.1** 20601-22-01  
Mittlere NO<sub>x</sub>-Emissionsdichte auf dem  
Straßennetz im Untersuchungsgebiet  
für den Prognosefall 2030



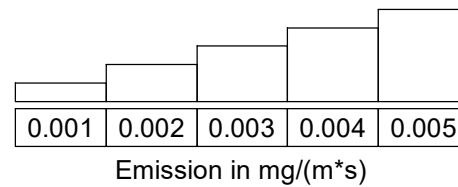
0 250 500  
Meter



**Abb. A4.2** 20601-22-01  
Mittlere NO<sub>x</sub>-Emissionsdichte auf dem  
Straßennetz im Untersuchungsgebiet  
für den Planfall 2030



0 250 500  
Meter



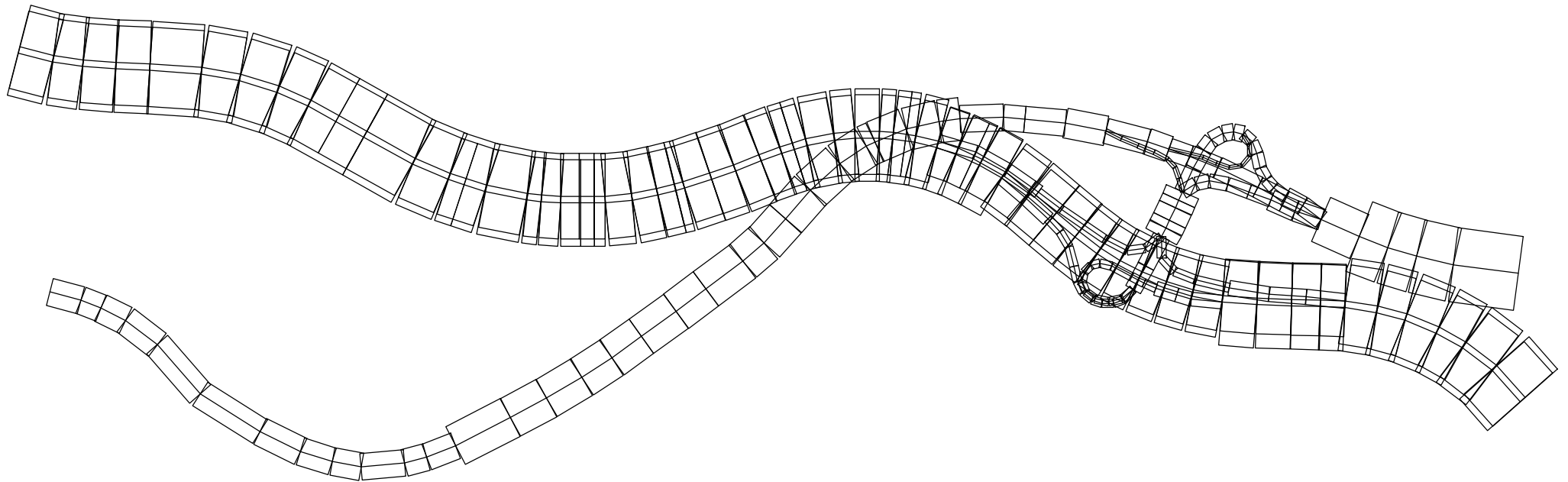
**Abb. A4.3**

20601-22-01

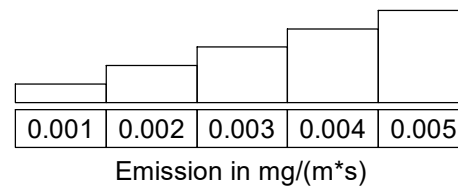
Mittlere  $\text{NH}_3$ -Emissionsdichte auf dem  
Straßennetz im Untersuchungsgebiet  
für den Prognosefall 2030



Lohmeyer



0 250 500  
Meter



**Abb. A4.4** 20601-22-01  
Mittlere  $\text{NH}_3$ -Emissionsdichte auf dem  
Straßennetz im Untersuchungsgebiet  
für den Planfall 2030

## A5 EINGANGS- UND PROTOKOLLDATEN DER RECHENLÄUFE

### Eingangsdateien LASAT

#### Param.def – Prognose-Nullfall

- Input file created by LASATTools 2.0.5.0 - Lohmeyer GmbH

===== param.def

- Achtung: bei Flächequellen oder Punktquellen - keine Emissionsberechnung!

- Files = "Emissionen aus C:\e\20601\_Seichshelden\_NDep\_HBEFA42\LAGE\SD3\20601\_NF2030-SD3.shp"

Titel = "20601\_NF\_HBEFA42" Ident = LASATTools

Seed = 11111

Start = 0000.00:00:00

Intervall = 0001.00:00:00

Ende = 5510.00:00:00

Average = 5510

Flags = GAMMA

DepoBase = "~"

Depo = 1

-----  
= Definition der Emissions-Quellen ===== sources.def

- Referenzkoordinaten (Führungsziffern): RefX = 400000, RefY = 5600000

- Laengenangaben in Meter ( X1, Y1, H1, X2, Y2, H2, Bq, Cq )

- Strassenbreite ( Bq ); Qh ( Hq ); SigmaZ0 ( Cq )

- Waermestrom in MW ( Qq )

| ! Name | X1      | Y1      | H1     | X2      | Y2      | H2     | Bq     | Cq   | Sv |  |
|--------|---------|---------|--------|---------|---------|--------|--------|------|----|--|
| Q 1    | 45013.2 | 22013.0 | 0.000  | 45096.5 | 21991.3 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 2    | 45096.5 | 21991.3 | 0.000  | 45169.4 | 21980.9 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 3    | 45169.4 | 21980.9 | 0.000  | 45249.5 | 21974.5 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 4    | 45249.5 | 21974.5 | 0.000  | 45332.0 | 21971.3 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 5    | 45332.0 | 21971.3 | 0.000  | 45457.0 | 21962.5 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 6    | 45457.0 | 21962.5 | 0.000  | 45549.1 | 21946.5 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 7    | 45549.1 | 21946.5 | 0.000  | 45640.4 | 21918.4 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 8    | 45640.4 | 21918.4 | 0.000  | 45715.7 | 21884.8 | 0.000  | 8.000  | 1.50 | 5  |  |
| Q 9    | 45715.7 | 21884.8 | 0.000  | 45851.1 | 21809.5 | 0.000  | 12.000 | 1.50 | 5  |  |
| Q 10   | 45851.1 | 21809.5 | 0.000  | 45968.9 | 21743.8 | 0.000  | 12.000 | 1.50 | 5  |  |
| Q 11   | 45968.9 | 21743.8 | 0.000  | 46055.4 | 21707.0 | 0.000  | 12.000 | 1.50 | 5  |  |
| Q 12   | 46055.4 | 21707.0 | 0.000  | 46145.1 | 21677.3 | 0.000  | 12.000 | 1.50 | 5  |  |
| Q 13   | 46145.1 | 21677.3 | 0.000  | 46246.0 | 21657.3 | 0.000  | 12.000 | 1.50 | 5  |  |
| Q 14   | 46246.0 | 21657.3 | 8.000  | 46281.3 | 21653.3 | 8.000  | 12.000 | 1.50 | 3  |  |
| Q 15   | 46281.3 | 21653.3 | 8.000  | 46328.6 | 21650.1 | 8.000  | 12.000 | 1.50 | 3  |  |
| Q 16   | 46328.6 | 21650.1 | 12.000 | 46377.4 | 21650.1 | 12.000 | 12.000 | 1.50 | 3  |  |
| Q 17   | 46377.4 | 21650.1 | 14.000 | 46410.2 | 21650.1 | 14.000 | 12.000 | 1.50 | 3  |  |
| Q 18   | 46436.7 | 21650.1 | 20.000 | 46502.4 | 21656.5 | 20.000 | 12.000 | 1.50 | 2  |  |
| Q 19   | 46502.4 | 21656.5 | 24.000 | 46564.1 | 21669.3 | 24.000 | 12.000 | 1.50 | 2  |  |
| Q 20   | 46564.1 | 21669.3 | 24.000 | 46608.1 | 21680.2 | 24.000 | 12.000 | 1.50 | 2  |  |
| Q 21   | 46629.0 | 21685.3 | 25.000 | 46694.7 | 21707.0 | 25.000 | 12.000 | 1.50 | 2  |  |
| Q 22   | 46694.7 | 21707.0 | 24.000 | 46753.1 | 21727.0 | 24.000 | 12.000 | 1.50 | 2  |  |
| Q 23   | 46753.1 | 21727.0 | 24.000 | 46814.8 | 21751.8 | 24.000 | 12.000 | 1.50 | 2  |  |
| Q 24   | 46814.8 | 21751.8 | 24.000 | 46864.5 | 21770.2 | 24.000 | 12.000 | 1.50 | 2  |  |
| Q 25   | 46864.5 | 21770.2 | 24.000 | 46926.2 | 21789.5 | 24.000 | 12.000 | 1.50 | 2  |  |
| Q 26   | 46926.2 | 21789.5 | 24.000 | 46992.7 | 21802.3 | 24.000 | 12.000 | 1.50 | 2  |  |

|      |         |         |        |         |         |        |        |      |   |
|------|---------|---------|--------|---------|---------|--------|--------|------|---|
| Q 27 | 46992.7 | 21802.3 | 20.000 | 47042.3 | 21807.1 | 20.000 | 12.000 | 1.50 | 2 |
| Q 28 | 47042.3 | 21807.1 | 17.000 | 47100.8 | 21807.1 | 17.000 | 12.000 | 1.50 | 3 |
| Q 29 | 47100.8 | 21807.1 | 9.000  | 47133.6 | 21804.7 | 9.000  | 12.000 | 1.50 | 3 |
| Q 30 | 47133.6 | 21804.7 | 0.000  | 47186.5 | 21797.5 | 0.000  | 12.000 | 1.50 | 5 |
| Q 31 | 47186.5 | 21797.5 | 0.000  | 47240.2 | 21783.8 | 0.000  | 12.000 | 1.50 | 5 |
| Q 32 | 47240.2 | 21783.8 | 0.000  | 47286.6 | 21767.8 | 0.000  | 12.000 | 1.50 | 4 |
| Q 33 | 47286.6 | 21767.8 | 0.000  | 47343.5 | 21741.4 | 0.000  | 12.000 | 1.50 | 4 |
| Q 34 | 47343.5 | 21741.4 | 0.000  | 47398.0 | 21711.0 | 0.000  | 12.000 | 1.50 | 4 |
| Q 35 | 47398.0 | 21711.0 | 0.000  | 47461.3 | 21664.5 | 0.000  | 12.000 | 1.50 | 4 |
| Q 36 | 47461.3 | 21664.5 | 0.000  | 47520.5 | 21614.0 | 0.000  | 12.000 | 1.50 | 4 |
| Q 37 | 47520.5 | 21614.0 | 0.000  | 47575.8 | 21567.6 | 0.000  | 12.000 | 1.50 | 4 |
| Q 38 | 47575.8 | 21567.6 | 0.000  | 47628.7 | 21526.7 | 0.000  | 12.000 | 1.50 | 4 |
| Q 39 | 47628.7 | 21526.7 | 0.000  | 47676.8 | 21496.3 | 0.000  | 12.000 | 1.50 | 4 |
| Q 40 | 47676.8 | 21496.3 | 0.000  | 47731.2 | 21468.2 | 0.000  | 12.000 | 1.50 | 4 |
| Q 41 | 47731.2 | 21468.2 | 0.000  | 47792.1 | 21444.2 | 0.000  | 12.000 | 1.50 | 4 |
| Q 42 | 47792.1 | 21444.2 | 0.000  | 47858.6 | 21424.2 | 0.000  | 12.000 | 1.50 | 4 |
| Q 43 | 47858.6 | 21424.2 | 0.000  | 47932.3 | 21409.8 | 0.000  | 12.000 | 1.50 | 4 |
| Q 44 | 47932.3 | 21409.8 | 0.000  | 48016.4 | 21403.3 | 0.000  | 12.000 | 1.50 | 4 |
| Q 45 | 48016.4 | 21403.3 | 0.000  | 48100.5 | 21400.1 | 0.000  | 12.000 | 1.50 | 4 |
| Q 46 | 48100.5 | 21400.1 | 0.000  | 48170.2 | 21398.5 | 0.000  | 12.000 | 1.50 | 4 |
| Q 47 | 48170.2 | 21398.5 | 0.000  | 48229.5 | 21396.1 | 0.000  | 12.000 | 1.50 | 4 |
| Q 48 | 48229.5 | 21396.1 | 0.000  | 48306.4 | 21384.1 | 0.000  | 12.000 | 1.50 | 5 |
| Q 49 | 48306.4 | 21384.1 | 0.000  | 48375.3 | 21365.7 | 0.000  | 12.000 | 1.50 | 5 |
| Q 50 | 48375.3 | 21365.7 | 0.000  | 48451.4 | 21334.5 | 0.000  | 12.000 | 1.50 | 5 |
| Q 51 | 48451.4 | 21334.5 | 0.000  | 48514.7 | 21299.2 | 0.000  | 12.000 | 1.50 | 5 |
| Q 52 | 48514.7 | 21299.2 | 0.000  | 48586.8 | 21244.7 | 0.000  | 12.000 | 1.50 | 5 |
| Q 53 | 48586.8 | 21244.7 | 0.000  | 48654.9 | 21167.8 | 0.000  | 12.000 | 1.50 | 5 |
| Q 54 | 48654.9 | 21167.8 | 0.000  | 48666.8 | 21178.4 | 0.000  | 12.000 | 1.50 | 5 |
| Q 55 | 48666.8 | 21178.4 | 0.000  | 48597.7 | 21256.5 | 0.000  | 12.000 | 1.50 | 5 |
| Q 56 | 48597.7 | 21256.5 | 0.000  | 48523.4 | 21312.6 | 0.000  | 12.000 | 1.50 | 5 |
| Q 57 | 48523.4 | 21312.6 | 0.000  | 48458.4 | 21348.9 | 0.000  | 12.000 | 1.50 | 5 |
| Q 58 | 48458.4 | 21348.9 | 0.000  | 48380.4 | 21380.9 | 0.000  | 12.000 | 1.50 | 5 |
| Q 59 | 48380.4 | 21380.9 | 0.000  | 48309.7 | 21399.8 | 0.000  | 12.000 | 1.50 | 5 |
| Q 60 | 48309.7 | 21399.8 | 0.000  | 48231.1 | 21412.1 | 0.000  | 12.000 | 1.50 | 5 |
| Q 61 | 48231.1 | 21412.1 | 0.000  | 48170.7 | 21414.5 | 0.000  | 12.000 | 1.50 | 4 |
| Q 62 | 48170.7 | 21414.5 | 0.000  | 48101.0 | 21416.1 | 0.000  | 12.000 | 1.50 | 4 |
| Q 63 | 48101.0 | 21416.1 | 0.000  | 48017.3 | 21419.3 | 0.000  | 12.000 | 1.50 | 4 |
| Q 64 | 48017.3 | 21419.3 | 0.000  | 47934.5 | 21425.6 | 0.000  | 12.000 | 1.50 | 4 |
| Q 65 | 47934.5 | 21425.6 | 0.000  | 47862.5 | 21439.7 | 0.000  | 12.000 | 1.50 | 4 |
| Q 66 | 47862.5 | 21439.7 | 0.000  | 47797.4 | 21459.3 | 0.000  | 12.000 | 1.50 | 4 |
| Q 67 | 47797.4 | 21459.3 | 0.000  | 47737.8 | 21482.8 | 0.000  | 12.000 | 1.50 | 4 |
| Q 68 | 47737.8 | 21482.8 | 0.000  | 47684.7 | 21510.2 | 0.000  | 12.000 | 1.50 | 4 |
| Q 69 | 47684.7 | 21510.2 | 0.000  | 47637.9 | 21539.8 | 0.000  | 12.000 | 1.50 | 4 |
| Q 70 | 47637.9 | 21539.8 | 0.000  | 47585.9 | 21580.0 | 0.000  | 12.000 | 1.50 | 4 |
| Q 71 | 47585.9 | 21580.0 | 0.000  | 47530.9 | 21626.2 | 0.000  | 12.000 | 1.50 | 4 |
| Q 72 | 47530.9 | 21626.2 | 0.000  | 47471.2 | 21677.0 | 0.000  | 12.000 | 1.50 | 4 |
| Q 73 | 47471.2 | 21677.0 | 0.000  | 47406.7 | 21724.4 | 0.000  | 12.000 | 1.50 | 4 |
| Q 74 | 47406.7 | 21724.4 | 0.000  | 47350.8 | 21755.7 | 0.000  | 12.000 | 1.50 | 4 |
| Q 75 | 47350.8 | 21755.7 | 0.000  | 47292.6 | 21782.7 | 0.000  | 12.000 | 1.50 | 4 |
| Q 76 | 47292.6 | 21782.7 | 0.000  | 47244.8 | 21799.2 | 0.000  | 12.000 | 1.50 | 4 |
| Q 77 | 47244.8 | 21799.2 | 0.000  | 47189.6 | 21813.2 | 0.000  | 12.000 | 1.50 | 5 |
| Q 78 | 47189.6 | 21813.2 | 0.000  | 47135.3 | 21820.6 | 6.000  | 12.000 | 1.50 | 3 |
| Q 79 | 47135.3 | 21820.6 | 9.000  | 47101.4 | 21823.1 | 9.000  | 12.000 | 1.50 | 3 |
| Q 80 | 47101.4 | 21823.1 | 17.000 | 47041.5 | 21823.1 | 17.000 | 12.000 | 1.50 | 3 |
| Q 81 | 47041.5 | 21823.1 | 20.000 | 46990.4 | 21818.1 | 20.000 | 12.000 | 1.50 | 2 |
| Q 82 | 46990.4 | 21818.1 | 24.000 | 46922.3 | 21805.0 | 24.000 | 12.000 | 1.50 | 2 |
| Q 83 | 46922.3 | 21805.0 | 24.000 | 46859.3 | 21785.4 | 24.000 | 12.000 | 1.50 | 2 |
| Q 84 | 46859.3 | 21785.4 | 24.000 | 46809.0 | 21766.7 | 24.000 | 12.000 | 1.50 | 2 |
| Q 85 | 46809.0 | 21766.7 | 24.000 | 46747.5 | 21742.0 | 24.000 | 12.000 | 1.50 | 2 |
| Q 86 | 46747.5 | 21742.0 | 24.000 | 46689.5 | 21722.1 | 24.000 | 12.000 | 1.50 | 2 |
| Q 87 | 46689.5 | 21722.1 | 25.000 | 46624.5 | 21700.7 | 25.000 | 12.000 | 1.50 | 2 |
| Q 88 | 46624.5 | 21695.5 | 24.000 | 46560.5 | 21684.9 | 24.000 | 12.000 | 1.50 | 2 |

|       |         |         |        |         |         |        |        |      |   |
|-------|---------|---------|--------|---------|---------|--------|--------|------|---|
| Q 88  | 46560.5 | 21684.9 | 24.000 | 46500.0 | 21672.3 | 24.000 | 12.000 | 1.50 | 2 |
| Q 89  | 46500.0 | 21672.3 | 20.000 | 46435.9 | 21666.1 | 20.000 | 12.000 | 1.50 | 2 |
| Q 90  | 46373.2 | 21666.1 | 12.000 | 46329.1 | 21666.1 | 12.000 | 12.000 | 1.50 | 3 |
| Q 91  | 46329.1 | 21666.1 | 8.000  | 46282.7 | 21669.2 | 8.000  | 12.000 | 1.50 | 3 |
| Q 92  | 46282.7 | 21669.2 | 8.000  | 46248.5 | 21673.1 | 8.000  | 12.000 | 1.50 | 3 |
| Q 93  | 46248.5 | 21673.1 | 0.000  | 46149.2 | 21692.8 | 0.000  | 12.000 | 1.50 | 5 |
| Q 94  | 46149.2 | 21692.8 | 0.000  | 46061.0 | 21721.9 | 0.000  | 12.000 | 1.50 | 5 |
| Q 95  | 46061.0 | 21721.9 | 0.000  | 45975.9 | 21758.2 | 0.000  | 12.000 | 1.50 | 5 |
| Q 96  | 45975.9 | 21758.2 | 0.000  | 45858.9 | 21823.5 | 0.000  | 12.000 | 1.50 | 5 |
| Q 97  | 45858.9 | 21823.5 | 0.000  | 45722.9 | 21899.1 | 0.000  | 12.000 | 1.50 | 5 |
| Q 98  | 45722.9 | 21899.1 | 0.000  | 45646.1 | 21933.4 | 0.000  | 12.000 | 1.50 | 5 |
| Q 99  | 45646.1 | 21933.4 | 0.000  | 45552.8 | 21962.1 | 0.000  | 12.000 | 1.50 | 5 |
| Q 100 | 45552.8 | 21962.1 | 0.000  | 45458.9 | 21978.4 | 0.000  | 12.000 | 1.50 | 5 |
| Q 101 | 45458.9 | 21978.4 | 0.000  | 45332.9 | 21987.3 | 0.000  | 12.000 | 1.50 | 5 |
| Q 102 | 45332.9 | 21987.3 | 0.000  | 45250.5 | 21990.5 | 0.000  | 12.000 | 1.50 | 5 |
| Q 103 | 45250.5 | 21990.5 | 0.000  | 45171.2 | 21996.8 | 0.000  | 12.000 | 1.50 | 5 |
| Q 104 | 45171.2 | 21996.8 | 0.000  | 45099.7 | 22007.0 | 0.000  | 12.000 | 1.50 | 5 |
| Q 105 | 45099.7 | 22007.0 | 0.000  | 45017.2 | 22028.5 | 0.000  | 12.000 | 1.50 | 5 |
| Q 106 | 47398.0 | 21711.0 | 0.000  | 47455.2 | 21661.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 107 | 47455.2 | 21661.7 | 0.000  | 47510.3 | 21611.0 | 0.000  | 3.000  | 1.50 | 1 |
| Q 108 | 47510.3 | 21611.0 | 0.000  | 47539.0 | 21580.3 | 0.000  | 3.000  | 1.50 | 1 |
| Q 109 | 47539.0 | 21580.3 | 0.000  | 47560.7 | 21543.8 | 0.000  | 3.000  | 1.50 | 1 |
| Q 110 | 47560.7 | 21543.8 | 0.000  | 47572.8 | 21496.1 | 0.000  | 3.000  | 1.50 | 1 |
| Q 111 | 47572.8 | 21496.1 | 0.000  | 47581.3 | 21458.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 112 | 47581.3 | 21458.9 | 0.000  | 47594.1 | 21433.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 113 | 47594.1 | 21433.9 | 0.000  | 47616.4 | 21415.0 | 0.000  | 3.000  | 1.50 | 1 |
| Q 114 | 47616.4 | 21415.0 | 0.000  | 47641.1 | 21406.6 | 0.000  | 3.000  | 1.50 | 1 |
| Q 115 | 47641.1 | 21406.6 | 0.000  | 47669.2 | 21406.6 | 0.000  | 3.000  | 1.50 | 1 |
| Q 116 | 47669.2 | 21406.6 | 0.000  | 47693.5 | 21415.3 | 0.000  | 3.000  | 1.50 | 1 |
| Q 117 | 47693.5 | 21415.3 | 0.000  | 47716.1 | 21440.4 | 0.000  | 3.000  | 1.50 | 1 |
| Q 118 | 47716.1 | 21440.4 | 0.000  | 47747.9 | 21496.5 | 0.000  | 7.000  | 1.50 | 1 |
| Q 119 | 47747.9 | 21496.5 | 0.000  | 47784.7 | 21568.4 | 0.000  | 7.000  | 1.50 | 1 |
| Q 120 | 47784.7 | 21568.4 | 2.000  | 47795.9 | 21589.1 | 2.000  | 7.000  | 1.50 | 1 |
| Q 121 | 47804.7 | 21607.7 | 8.000  | 47819.2 | 21638.1 | 8.000  | 7.000  | 1.50 | 1 |
| Q 122 | 47827.3 | 21656.0 | 2.000  | 47836.8 | 21676.9 | 2.000  | 7.000  | 1.50 | 1 |
| Q 123 | 47836.8 | 21676.9 | 0.000  | 47862.8 | 21734.4 | 0.000  | 7.000  | 1.50 | 1 |
| Q 124 | 47862.8 | 21734.4 | 0.000  | 47887.5 | 21778.0 | 0.000  | 7.000  | 1.50 | 1 |
| Q 125 | 47887.5 | 21778.0 | 0.000  | 47906.0 | 21803.0 | 0.000  | 7.000  | 1.50 | 1 |
| Q 126 | 47906.0 | 21803.0 | 0.000  | 47934.1 | 21818.5 | 0.000  | 7.000  | 1.50 | 1 |
| Q 127 | 47934.1 | 21818.5 | 0.000  | 47960.1 | 21822.2 | 0.000  | 7.000  | 1.50 | 1 |
| Q 128 | 47960.1 | 21822.2 | 0.000  | 47983.8 | 21816.8 | 0.000  | 7.000  | 1.50 | 1 |
| Q 129 | 47983.8 | 21816.8 | 0.000  | 47998.3 | 21792.8 | 0.000  | 3.000  | 1.50 | 0 |
| Q 130 | 47998.3 | 21792.8 | 0.000  | 47999.0 | 21763.1 | 0.000  | 3.000  | 1.50 | 0 |
| Q 131 | 47999.0 | 21763.1 | 0.000  | 47980.4 | 21740.8 | 0.000  | 3.000  | 1.50 | 0 |
| Q 132 | 47980.4 | 21740.8 | 0.000  | 47949.7 | 21736.1 | 0.000  | 3.000  | 1.50 | 0 |
| Q 133 | 47949.7 | 21736.1 | 0.000  | 47918.6 | 21746.5 | 0.000  | 3.000  | 1.50 | 0 |
| Q 134 | 47918.6 | 21746.5 | 0.000  | 47885.8 | 21760.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 135 | 47885.8 | 21760.7 | 0.000  | 47803.5 | 21780.4 | 0.000  | 3.000  | 1.50 | 1 |
| Q 136 | 47983.8 | 21816.8 | 0.000  | 48005.4 | 21797.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 137 | 48005.4 | 21797.9 | 0.000  | 48016.9 | 21770.2 | 0.000  | 3.000  | 1.50 | 1 |
| Q 138 | 48016.9 | 21770.2 | 0.000  | 48024.7 | 21735.0 | 0.000  | 3.000  | 1.50 | 1 |
| Q 139 | 48024.7 | 21735.0 | 0.000  | 48039.5 | 21706.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 140 | 48039.5 | 21706.7 | 0.000  | 48057.5 | 21686.4 | 0.000  | 3.000  | 1.50 | 1 |
| Q 141 | 48057.5 | 21686.4 | 0.000  | 48085.8 | 21665.1 | 0.000  | 3.000  | 1.50 | 1 |
| Q 142 | 48085.8 | 21665.1 | 0.000  | 48127.4 | 21643.1 | 0.000  | 3.000  | 1.50 | 1 |
| Q 143 | 48127.4 | 21643.1 | 0.000  | 48172.2 | 21609.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 144 | 48231.1 | 21412.1 | 0.000  | 48136.0 | 21422.2 | 0.000  | 3.000  | 1.50 | 1 |
| Q 145 | 48136.0 | 21422.2 | 0.000  | 48046.3 | 21428.6 | 0.000  | 3.000  | 1.50 | 1 |
| Q 146 | 48046.3 | 21428.6 | 0.000  | 47949.4 | 21443.8 | 0.000  | 3.000  | 1.50 | 1 |
| Q 147 | 47949.4 | 21443.8 | 0.000  | 47865.3 | 21464.6 | 0.000  | 3.000  | 1.50 | 1 |
| Q 148 | 47865.3 | 21464.6 | 0.000  | 47816.4 | 21483.9 | 0.000  | 3.000  | 1.50 | 1 |

|       |         |         |       |         |         |       |        |      |   |
|-------|---------|---------|-------|---------|---------|-------|--------|------|---|
| Q 149 | 47816.4 | 21483.9 | 0.000 | 47786.0 | 21516.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 150 | 47786.0 | 21516.7 | 0.000 | 47784.7 | 21568.4 | 0.000 | 3.000  | 1.50 | 1 |
| Q 151 | 47784.7 | 21568.4 | 0.000 | 47745.9 | 21539.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 152 | 47745.9 | 21539.9 | 0.000 | 47702.7 | 21534.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 153 | 47702.7 | 21534.3 | 0.000 | 47646.6 | 21563.2 | 0.000 | 3.000  | 1.50 | 1 |
| Q 154 | 47646.6 | 21563.2 | 0.000 | 47543.2 | 21633.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 155 | 47543.2 | 21633.7 | 0.000 | 47487.2 | 21676.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 156 | 47487.2 | 21676.9 | 0.000 | 47412.7 | 21729.0 | 0.000 | 3.000  | 1.50 | 1 |
| Q 157 | 47412.7 | 21729.0 | 0.000 | 47335.0 | 21773.0 | 0.000 | 3.000  | 1.50 | 1 |
| Q 158 | 47335.0 | 21773.0 | 0.000 | 47244.8 | 21799.2 | 0.000 | 3.000  | 1.50 | 1 |
| Q 159 | 47836.8 | 21676.9 | 0.000 | 47868.5 | 21696.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 160 | 47868.5 | 21696.1 | 0.000 | 47901.3 | 21703.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 161 | 47901.3 | 21703.3 | 0.000 | 47946.2 | 21695.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 162 | 47946.2 | 21695.3 | 0.000 | 47997.5 | 21676.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 163 | 47997.5 | 21676.9 | 0.000 | 48050.3 | 21656.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 164 | 48050.3 | 21656.9 | 0.000 | 48109.6 | 21630.5 | 0.000 | 3.000  | 1.50 | 1 |
| Q 165 | 48109.6 | 21630.5 | 0.000 | 48172.2 | 21609.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 166 | 47650.7 | 21824.8 | 0.000 | 47687.9 | 21805.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 167 | 47687.9 | 21805.8 | 0.000 | 47728.6 | 21788.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 168 | 47728.6 | 21788.9 | 0.000 | 47767.8 | 21772.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 169 | 47767.8 | 21772.7 | 0.000 | 47799.9 | 21755.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 170 | 47799.9 | 21755.8 | 0.000 | 47817.9 | 21736.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 171 | 47817.9 | 21736.6 | 0.000 | 47827.6 | 21709.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 172 | 47827.6 | 21709.6 | 0.000 | 47836.8 | 21676.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 173 | 45090.0 | 21434.0 | 0.000 | 45165.2 | 21414.3 | 0.000 | 7.000  | 1.50 | 1 |
| Q 174 | 45165.2 | 21414.3 | 0.000 | 45213.5 | 21395.0 | 0.000 | 7.000  | 1.50 | 1 |
| Q 175 | 45273.6 | 21364.9 | 0.000 | 45350.5 | 21306.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 176 | 45350.5 | 21306.5 | 0.000 | 45454.5 | 21186.8 | 0.000 | 7.000  | 1.50 | 1 |
| Q 177 | 45454.5 | 21186.8 | 0.000 | 45599.8 | 21095.7 | 0.000 | 7.000  | 1.50 | 1 |
| Q 178 | 45599.8 | 21095.7 | 0.000 | 45697.8 | 21047.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 179 | 45774.9 | 21023.1 | 0.000 | 45844.7 | 21010.3 | 0.000 | 7.000  | 1.50 | 1 |
| Q 180 | 45844.7 | 21010.3 | 0.000 | 45950.1 | 21020.2 | 0.000 | 7.000  | 1.50 | 1 |
| Q 181 | 46003.4 | 21034.4 | 0.000 | 46074.0 | 21061.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 182 | 46074.0 | 21061.5 | 0.000 | 46206.4 | 21129.9 | 0.000 | 7.000  | 1.50 | 2 |
| Q 183 | 46206.4 | 21129.9 | 0.000 | 46294.1 | 21177.1 | 0.000 | 7.000  | 1.50 | 2 |
| Q 184 | 46294.1 | 21177.1 | 0.000 | 46379.4 | 21227.6 | 0.000 | 7.000  | 1.50 | 2 |
| Q 185 | 46379.4 | 21227.6 | 0.000 | 46452.7 | 21275.0 | 0.000 | 7.000  | 1.50 | 2 |
| Q 186 | 46452.7 | 21275.0 | 0.000 | 46524.2 | 21326.7 | 0.000 | 7.000  | 1.50 | 2 |
| Q 187 | 46524.2 | 21326.7 | 0.000 | 46608.3 | 21387.4 | 0.000 | 7.000  | 1.50 | 2 |
| Q 188 | 46608.3 | 21387.4 | 0.000 | 46680.4 | 21441.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 189 | 46680.4 | 21441.5 | 0.000 | 46770.5 | 21508.8 | 0.000 | 7.000  | 1.50 | 2 |
| Q 190 | 46770.5 | 21508.8 | 0.000 | 46821.6 | 21553.2 | 0.000 | 7.000  | 1.50 | 2 |
| Q 191 | 46821.6 | 21553.2 | 0.000 | 46873.8 | 21611.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 192 | 46873.8 | 21611.5 | 0.000 | 46933.9 | 21680.6 | 0.000 | 7.000  | 1.50 | 2 |
| Q 193 | 46933.9 | 21680.6 | 0.000 | 47005.4 | 21745.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 194 | 47005.4 | 21745.5 | 0.000 | 47069.7 | 21787.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 195 | 47069.7 | 21787.5 | 0.000 | 47090.7 | 21797.7 | 0.000 | 7.000  | 1.50 | 2 |
| Q 196 | 47090.7 | 21797.7 | 0.000 | 47166.4 | 21829.0 | 0.000 | 7.000  | 1.50 | 2 |
| Q 197 | 47166.4 | 21829.0 | 0.000 | 47245.8 | 21847.6 | 0.000 | 7.000  | 1.50 | 2 |
| Q 198 | 47245.8 | 21847.6 | 5.000 | 47297.4 | 21853.6 | 5.000 | 7.000  | 1.50 | 1 |
| Q 199 | 47297.4 | 21853.6 | 5.000 | 47402.0 | 21857.2 | 5.000 | 7.000  | 1.50 | 1 |
| Q 200 | 47402.0 | 21857.2 | 0.000 | 47453.6 | 21852.4 | 0.000 | 7.000  | 1.50 | 1 |
| Q 201 | 47453.6 | 21852.4 | 0.000 | 47552.2 | 21843.4 | 0.000 | 7.000  | 1.50 | 1 |
| Q 202 | 47552.2 | 21843.4 | 0.000 | 47650.7 | 21824.8 | 0.000 | 14.000 | 1.50 | 1 |
| Q 203 | 47650.7 | 21824.8 | 0.000 | 47751.0 | 21798.9 | 0.000 | 14.000 | 1.50 | 1 |
| Q 204 | 47751.0 | 21798.9 | 0.000 | 47803.5 | 21780.4 | 0.000 | 14.000 | 1.50 | 2 |
| Q 205 | 47853.2 | 21762.9 | 0.000 | 47921.7 | 21735.3 | 0.000 | 14.000 | 1.50 | 2 |
| Q 206 | 47921.7 | 21735.3 | 0.000 | 48019.0 | 21687.8 | 0.000 | 14.000 | 1.50 | 2 |
| Q 207 | 48019.0 | 21687.8 | 0.000 | 48083.3 | 21654.1 | 0.000 | 14.000 | 1.50 | 2 |
| Q 208 | 48083.3 | 21654.1 | 0.000 | 48172.2 | 21609.7 | 0.000 | 14.000 | 1.50 | 2 |
| Q 209 | 48172.2 | 21609.7 | 0.000 | 48264.7 | 21568.8 | 0.000 | 14.000 | 1.50 | 2 |

|                                                             |         |         |        |         |         |        |        |      |   |
|-------------------------------------------------------------|---------|---------|--------|---------|---------|--------|--------|------|---|
| Q 210                                                       | 48264.7 | 21568.8 | 0.000  | 48333.8 | 21541.8 | 0.000  | 14.000 | 1.50 | 2 |
| Q 211                                                       | 48333.8 | 21541.8 | 0.000  | 48403.5 | 21520.8 | 0.000  | 14.000 | 1.50 | 2 |
| Q 212                                                       | 48403.5 | 21520.8 | 0.000  | 48492.4 | 21500.3 | 0.000  | 14.000 | 1.50 | 2 |
| Q 213                                                       | 48492.4 | 21500.3 | 0.000  | 48651.0 | 21479.3 | 0.000  | 14.000 | 1.50 | 2 |
| Q 214                                                       | 47803.5 | 21780.4 | 0.000  | 47853.2 | 21762.9 | 0.000  | 14.000 | 1.50 | 2 |
| Q 215                                                       | 47716.1 | 21440.4 | 0.000  | 47689.5 | 21417.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 216                                                       | 47689.5 | 21417.7 | 0.000  | 47657.7 | 21410.5 | 0.000  | 3.000  | 1.50 | 1 |
| Q 217                                                       | 47657.7 | 21410.5 | 0.000  | 47624.3 | 21417.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 218                                                       | 47624.3 | 21417.7 | 0.000  | 47602.2 | 21434.2 | 0.000  | 3.000  | 1.50 | 1 |
| Q 219                                                       | 47602.2 | 21434.2 | 0.000  | 47592.5 | 21457.5 | 0.000  | 3.000  | 1.50 | 1 |
| Q 220                                                       | 47592.5 | 21457.5 | 0.000  | 47597.8 | 21481.6 | 0.000  | 3.000  | 1.50 | 1 |
| Q 221                                                       | 47597.8 | 21481.6 | 0.000  | 47614.7 | 21498.5 | 0.000  | 3.000  | 1.50 | 1 |
| Q 222                                                       | 47614.7 | 21498.5 | 0.000  | 47636.0 | 21503.8 | 0.000  | 3.000  | 1.50 | 1 |
| Q 223                                                       | 47636.0 | 21503.8 | 0.000  | 47664.5 | 21496.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 224                                                       | 47664.5 | 21496.9 | 0.000  | 47712.8 | 21471.2 | 0.000  | 3.000  | 1.50 | 1 |
| Q 225                                                       | 47712.8 | 21471.2 | 0.000  | 47743.0 | 21455.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 226                                                       | 47743.0 | 21455.9 | 0.000  | 47771.9 | 21443.0 | 0.000  | 3.000  | 1.50 | 1 |
| Q 227                                                       | 47771.9 | 21443.0 | 0.000  | 47822.2 | 21426.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 228                                                       | 47822.2 | 21426.9 | 0.000  | 47857.6 | 21416.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 229                                                       | 47857.6 | 21416.9 | 0.000  | 47932.3 | 21409.8 | 0.000  | 3.000  | 1.50 | 1 |
| Q 230                                                       | 45697.8 | 21047.5 | 0.000  | 45774.9 | 21023.1 | 0.000  | 7.000  | 1.50 | 1 |
| Q 231                                                       | 45950.1 | 21020.2 | 0.000  | 46003.4 | 21034.4 | 0.000  | 7.000  | 1.50 | 2 |
| Q 232                                                       | 45213.5 | 21395.0 | 0.000  | 45273.6 | 21364.9 | 0.000  | 7.000  | 1.50 | 2 |
| Q 233                                                       | 46435.9 | 21666.1 | 18.000 | 46409.3 | 21666.1 | 18.000 | 12.000 | 1.50 | 3 |
| Q 234                                                       | 46410.2 | 21650.1 | 18.000 | 46436.7 | 21650.1 | 18.000 | 12.000 | 1.50 | 3 |
| Q 235                                                       | 46409.3 | 21666.1 | 14.000 | 46373.2 | 21666.1 | 14.000 | 12.000 | 1.50 | 3 |
| Q 236                                                       | 46624.5 | 21700.7 | 25.000 | 46603.5 | 21695.5 | 25.000 | 12.000 | 1.50 | 2 |
| Q 237                                                       | 46608.1 | 21680.2 | 25.000 | 46629.0 | 21685.3 | 25.000 | 12.000 | 1.50 | 2 |
| Q 238                                                       | 47189.6 | 21813.2 | 0.000  | 47166.5 | 21816.3 | 0.000  | 12.000 | 1.50 | 5 |
| Q 239                                                       | 47819.2 | 21638.1 | 5.000  | 47827.3 | 21656.0 | 5.000  | 7.000  | 1.50 | 1 |
| Q 240                                                       | 47795.9 | 21589.1 | 5.000  | 47804.7 | 21607.7 | 5.000  | 7.000  | 1.50 | 1 |
| -----+-----+-----+-----+-----+-----+-----+-----+-----+----- |         |         |        |         |         |        |        |      |   |

-----  
= Definition der gasfoermigen Komponenten ===== substances.def

-  
. Name = Gas  
Einheit = mg  
Vsed = 0.0  
Rate = 1200

|                               |  |     |  |     |
|-------------------------------|--|-----|--|-----|
| -----+-----+-----+-----+----- |  |     |  |     |
| K ENH3                        |  | 0.0 |  | 0.1 |
| K ENOx                        |  | 0.0 |  | 0.1 |
| -----+-----+-----+-----+----- |  |     |  |     |

-----  
= Definition der Quell-Staerken ===== emissions.def

. Emisfac = ?

|                               |  |          |          |          |
|-------------------------------|--|----------|----------|----------|
| -----+-----+-----+-----+----- |  |          |          |          |
| ! Source                      |  | gas.ENH3 | gas.ENOx |          |
| -----+-----+-----+-----+----- |  |          |          |          |
| E 1                           |  | 0.47133  |          | 6.57763  |
| E 2                           |  | 0.40325  |          | 5.62753  |
| E 3                           |  | 0.44008  |          | 6.14157  |
| E 4                           |  | 0.45217  |          | 6.31018  |
| E 5                           |  | 0.68603  |          | 9.57391  |
| E 6                           |  | 0.51202  |          | 7.14547  |
| E 7                           |  | 0.52311  |          | 8.86595  |
| E 8                           |  | 0.45162  |          | 7.65429  |
| E 9                           |  | 0.84835  |          | 14.37823 |
| E 10                          |  | 0.73835  |          | 12.51395 |

|      |         |          |
|------|---------|----------|
| E 11 | 0.51497 | 8.72791  |
| E 12 | 0.51742 | 8.76954  |
| E 13 | 0.56352 | 9.55090  |
| E 14 | 0.19421 | 3.29163  |
| E 15 | 0.25945 | 4.39723  |
| E 16 | 0.26756 | 4.53470  |
| E 17 | 0.17923 | 3.03767  |
| E 18 | 0.36143 | 6.12565  |
| E 19 | 0.34498 | 5.84686  |
| E 20 | 0.24852 | 4.21204  |
| E 21 | 0.37872 | 6.41869  |
| E 22 | 0.33845 | 5.73618  |
| E 23 | 0.36415 | 6.17182  |
| E 24 | 0.29004 | 4.91579  |
| E 25 | 0.35385 | 4.93809  |
| E 26 | 0.37081 | 5.17475  |
| E 27 | 0.27321 | 3.81270  |
| E 28 | 0.32024 | 4.46904  |
| E 29 | 0.18031 | 2.51633  |
| E 30 | 0.29225 | 4.07848  |
| E 31 | 0.30321 | 4.23147  |
| E 32 | 0.26911 | 3.75562  |
| E 33 | 0.34346 | 4.79311  |
| E 34 | 0.34169 | 4.76849  |
| E 35 | 0.35102 | 6.29179  |
| E 36 | 0.34806 | 6.23875  |
| E 37 | 0.32288 | 5.78749  |
| E 38 | 0.29872 | 5.35438  |
| E 39 | 0.25435 | 5.28840  |
| E 40 | 0.27395 | 5.69589  |
| E 41 | 0.29263 | 6.08431  |
| E 42 | 0.31047 | 6.45528  |
| E 43 | 0.33572 | 6.98015  |
| E 44 | 0.45489 | 9.34752  |
| E 45 | 0.45385 | 9.32613  |
| E 46 | 0.37587 | 7.72369  |
| E 47 | 0.31990 | 6.57365  |
| E 48 | 0.41972 | 12.29126 |
| E 49 | 0.38452 | 11.26027 |
| E 50 | 0.44356 | 12.98928 |
| E 51 | 0.39062 | 11.43897 |
| E 52 | 0.48719 | 14.26699 |
| E 53 | 0.55383 | 16.21830 |
| E 54 | 0.59928 | 3.26815  |
| E 55 | 0.53471 | 2.91603  |
| E 56 | 0.42797 | 2.33392  |
| E 57 | 0.48401 | 2.63954  |
| E 58 | 0.42045 | 2.29289  |
| E 59 | 0.45733 | 2.49401  |
| E 60 | 0.28528 | 4.94350  |
| E 61 | 0.32940 | 5.70796  |
| E 62 | 0.39564 | 6.85584  |
| E 63 | 0.39261 | 6.80338  |
| E 64 | 0.34658 | 6.00572  |
| E 65 | 0.32114 | 5.56483  |
| E 66 | 0.30228 | 5.23802  |
| E 67 | 0.28229 | 4.89165  |
| E 68 | 0.26186 | 4.53771  |
| E 69 | 0.31054 | 6.40210  |
| E 70 | 0.33931 | 6.99521  |
| E 71 | 0.37027 | 7.63339  |

|       |         |          |
|-------|---------|----------|
| E 72  | 0.37829 | 7.79881  |
| E 73  | 0.30228 | 4.25005  |
| E 74  | 0.30299 | 4.26008  |
| E 75  | 0.23925 | 3.36394  |
| E 76  | 0.32608 | 4.52336  |
| E 77  | 0.18013 | 2.49874  |
| E 78  | 0.19474 | 2.70146  |
| E 79  | 0.34264 | 4.75309  |
| E 80  | 0.29442 | 4.08420  |
| E 81  | 0.39718 | 5.50959  |
| E 82  | 0.37750 | 5.23659  |
| E 83  | 0.30702 | 6.26795  |
| E 84  | 0.37960 | 7.74970  |
| E 85  | 0.35098 | 7.16556  |
| E 86  | 0.39197 | 8.00231  |
| E 87  | 0.25356 | 5.17660  |
| E 88  | 0.35406 | 7.22830  |
| E 89  | 0.36855 | 7.52417  |
| E 90  | 0.25240 | 5.15295  |
| E 91  | 0.26607 | 5.43198  |
| E 92  | 0.19726 | 4.02724  |
| E 93  | 0.57979 | 11.83670 |
| E 94  | 0.53158 | 10.85245 |
| E 95  | 0.52972 | 10.81467 |
| E 96  | 0.76729 | 15.66468 |
| E 97  | 0.89110 | 18.19248 |
| E 98  | 0.48185 | 9.83726  |
| E 99  | 0.55842 | 11.40056 |
| E 100 | 0.54581 | 7.57134  |
| E 101 | 0.72349 | 10.03617 |
| E 102 | 0.47235 | 6.55235  |
| E 103 | 0.45547 | 6.31817  |
| E 104 | 0.41362 | 5.73764  |
| E 105 | 0.48777 | 6.76620  |
| E 106 | 0.07565 | 1.00789  |
| E 107 | 0.07502 | 1.16347  |
| E 108 | 0.02592 | 0.31557  |
| E 109 | 0.02614 | 0.31821  |
| E 110 | 0.03030 | 0.34116  |
| E 111 | 0.02349 | 0.26449  |
| E 112 | 0.01671 | 0.27205  |
| E 113 | 0.01740 | 0.28323  |
| E 114 | 0.01551 | 0.25243  |
| E 115 | 0.01668 | 0.27152  |
| E 116 | 0.01538 | 0.25041  |
| E 117 | 0.02006 | 0.32656  |
| E 118 | 0.07305 | 1.21399  |
| E 119 | 0.09493 | 1.38109  |
| E 120 | 0.05687 | 0.81741  |
| E 121 | 0.08168 | 1.17401  |
| E 122 | 0.05570 | 0.80060  |
| E 123 | 0.07203 | 0.88497  |
| E 124 | 0.05720 | 0.70272  |
| E 125 | 0.03434 | 0.56653  |
| E 126 | 0.03534 | 0.58307  |
| E 127 | 0.02896 | 0.54695  |
| E 128 | 0.02674 | 0.50503  |
| E 129 | 0.00794 | 0.13237  |
| E 130 | 0.00842 | 0.14035  |
| E 131 | 0.00822 | 0.13697  |
| E 132 | 0.00881 | 0.14678  |

|       |         |         |
|-------|---------|---------|
| E 133 | 0.00929 | 0.15478 |
| E 134 | 0.01048 | 0.11742 |
| E 135 | 0.02483 | 0.32596 |
| E 136 | 0.02382 | 0.38890 |
| E 137 | 0.02486 | 0.40587 |
| E 138 | 0.03091 | 0.34915 |
| E 139 | 0.02752 | 0.31084 |
| E 140 | 0.02323 | 0.26235 |
| E 141 | 0.03047 | 0.37189 |
| E 142 | 0.06112 | 0.60889 |
| E 143 | 0.07265 | 0.72375 |
| E 144 | 0.09768 | 1.22432 |
| E 145 | 0.09193 | 1.28446 |
| E 146 | 0.10028 | 0.19182 |
| E 147 | 0.05403 | 0.62985 |
| E 148 | 0.03274 | 0.38168 |
| E 149 | 0.02792 | 0.32549 |
| E 150 | 0.03227 | 0.34101 |
| E 151 | 0.03014 | 0.51777 |
| E 152 | 0.02730 | 0.33008 |
| E 153 | 0.03946 | 0.47712 |
| E 154 | 0.07828 | 1.34474 |
| E 155 | 0.04432 | 0.76138 |
| E 156 | 0.09261 | 0.94975 |
| E 157 | 0.09103 | 1.17471 |
| E 158 | 0.09570 | 1.23497 |
| E 159 | 0.03509 | 0.41270 |
| E 160 | 0.03182 | 0.34093 |
| E 161 | 0.04312 | 0.30495 |
| E 162 | 0.05155 | 0.36457 |
| E 163 | 0.05350 | 0.37835 |
| E 164 | 0.09353 | 0.90088 |
| E 165 | 0.09503 | 0.91533 |
| E 166 | 0.01318 | 0.23995 |
| E 167 | 0.01389 | 0.25287 |
| E 168 | 0.01386 | 0.18911 |
| E 169 | 0.01188 | 0.22790 |
| E 170 | 0.00862 | 0.16543 |
| E 171 | 0.00938 | 0.18003 |
| E 172 | 0.01111 | 0.15157 |
| E 173 | 0.15861 | 2.82776 |
| E 174 | 0.10603 | 1.89037 |
| E 175 | 0.20383 | 2.25651 |
| E 176 | 0.32332 | 4.70873 |
| E 177 | 0.34983 | 5.71730 |
| E 178 | 0.23065 | 2.87357 |
| E 179 | 0.14473 | 2.67686 |
| E 180 | 0.20780 | 3.48810 |
| E 181 | 0.15351 | 1.90787 |
| E 182 | 0.46993 | 4.49957 |
| E 183 | 0.31387 | 3.00534 |
| E 184 | 0.31254 | 2.99258 |
| E 185 | 0.27532 | 2.63620 |
| E 186 | 0.27814 | 2.66324 |
| E 187 | 0.32701 | 3.13112 |
| E 188 | 0.28415 | 3.11822 |
| E 189 | 0.35462 | 3.89147 |
| E 190 | 0.21349 | 2.34282 |
| E 191 | 0.24684 | 2.70870 |
| E 192 | 0.28869 | 3.16794 |
| E 193 | 0.30444 | 2.91501 |

|        |          |           |  |
|--------|----------|-----------|--|
| E 194  | 0.24219  | 2.31896   |  |
| E 195  | 0.07372  | 0.70590   |  |
| E 196  | 0.25821  | 2.47234   |  |
| E 197  | 0.25686  | 2.45947   |  |
| E 198  | 0.16401  | 1.57043   |  |
| E 199  | 0.21234  | 2.34623   |  |
| E 200  | 0.10187  | 1.43330   |  |
| E 201  | 0.19422  | 3.26011   |  |
| E 202  | 0.21890  | 3.66709   |  |
| E 203  | 0.19353  | 3.08836   |  |
| E 204  | 0.10742  | 1.06477   |  |
| E 205  | 0.19291  | 1.90256   |  |
| E 206  | 0.28284  | 3.14351   |  |
| E 207  | 0.18954  | 1.86562   |  |
| E 208  | 0.25966  | 2.55586   |  |
| E 209  | 0.34823  | 4.13363   |  |
| E 210  | 0.39490  | 3.48751   |  |
| E 211  | 0.38739  | 3.42118   |  |
| E 212  | 0.48556  | 4.28813   |  |
| E 213  | 0.85151  | 7.51991   |  |
| E 214  | 0.13769  | 1.20451   |  |
| E 215  | 0.01883  | 0.41153   |  |
| E 216  | 0.01753  | 0.38317   |  |
| E 217  | 0.01837  | 0.40165   |  |
| E 218  | 0.01484  | 0.32437   |  |
| E 219  | 0.01358  | 0.29695   |  |
| E 220  | 0.01328  | 0.29036   |  |
| E 221  | 0.01285  | 0.28090   |  |
| E 222  | 0.01181  | 0.25816   |  |
| E 223  | 0.01579  | 0.26801   |  |
| E 224  | 0.02943  | 0.49931   |  |
| E 225  | 0.01886  | 0.23870   |  |
| E 226  | 0.01767  | 0.22374   |  |
| E 227  | 0.04755  | 0.50813   |  |
| E 228  | 0.03314  | 0.35417   |  |
| E 229  | 0.06762  | 1.32930   |  |
| E 230  | 0.16502  | 3.05200   |  |
| E 231  | 0.11198  | 1.39173   |  |
| E 232  | 0.14211  | 1.77049   |  |
| E 233  | 0.15231  | 3.10954   |  |
| E 234  | 0.14539  | 2.46411   |  |
| E 235  | 0.20694  | 4.22477   |  |
| E 236  | 0.12398  | 2.53103   |  |
| E 237  | 0.11749  | 1.99122   |  |
| E 238  | 0.13344  | 1.85103   |  |
| E 239  | 0.04776  | 0.68652   |  |
| E 240  | 0.04997  | 0.71826   |  |
| <hr/>  |          |           |  |
| -Summe | 56.84238 | 894.68819 |  |
| <hr/>  |          |           |  |
| <hr/>  |          |           |  |

## Param.def – Planfall

- Input file created by LASATTools 2.0.5.0 - Lohmeyer GmbH

===== param.def

- Achtung: bei Flächequellen oder Punktquellen - keine Emissionsberechnung!

- Files = "Emissionen aus C:\e\20601\_Seichshelden\_NDep\_HBEFA42\LAGE\SD3\20601\_PF2030-SD3.shp"

Titel = "20601\_PF\_HBEFA42"

Ident = LASATTools

Seed = 11111

Start = 0000.00:00:00

Intervall = 0001.00:00:00

Ende = 5510.00:00:00

Average = 5510

Flags = GAMMA

DepoBase = "~"

Depo = 1

-----  
= Definition der Emissions-Quellen ===== sources.def

- Referenzkoordinaten (Führungsziffern): RefX = 400000, RefY = 5600000

- Laengenangaben in Meter ( X1, Y1, H1, X2, Y2, H2, Bq, Cq )

- Strassenbreite ( Bq ); Qh ( Hq ); SigmaZ0 ( Cq )

- Waermestrom in MW ( Qq )

-

.

-

| ! Name | X1      | Y1      | H1     | X2      | Y2      | H2     | Bq     | Cq   | Sv |  |
|--------|---------|---------|--------|---------|---------|--------|--------|------|----|--|
| Q 1    | 45013.2 | 22013.0 | 0.000  | 45096.5 | 21991.3 | 0.000  | 17.000 | 1.50 | 2  |  |
| Q 2    | 45096.5 | 21991.3 | 0.000  | 45169.4 | 21980.9 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 3    | 45169.4 | 21980.9 | 0.000  | 45249.5 | 21974.5 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 4    | 45249.5 | 21974.5 | 0.000  | 45332.0 | 21971.3 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 5    | 45332.0 | 21971.3 | 0.000  | 45457.0 | 21962.5 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 6    | 45457.0 | 21962.5 | 0.000  | 45549.1 | 21946.5 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 7    | 45549.1 | 21946.5 | 0.000  | 45640.4 | 21918.4 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 8    | 45640.4 | 21918.4 | 0.000  | 45715.7 | 21884.8 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 9    | 45715.7 | 21884.8 | 0.000  | 45851.1 | 21809.5 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 10   | 45851.1 | 21809.5 | 0.000  | 45968.9 | 21743.8 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 11   | 45968.9 | 21743.8 | 0.000  | 46055.4 | 21707.0 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 12   | 46094.5 | 21694.0 | 0.000  | 46145.1 | 21677.3 | 0.000  | 17.000 | 6.25 | 2  |  |
| Q 13   | 46145.1 | 21677.3 | 0.000  | 46246.0 | 21657.3 | 0.000  | 17.000 | 6.25 | 2  |  |
| Q 14   | 46246.0 | 21657.3 | 8.000  | 46281.3 | 21653.3 | 8.000  | 17.000 | 6.25 | 2  |  |
| Q 15   | 46281.3 | 21653.3 | 8.000  | 46328.6 | 21650.1 | 8.000  | 17.000 | 6.25 | 2  |  |
| Q 16   | 46328.6 | 21650.1 | 12.000 | 46377.4 | 21650.1 | 12.000 | 17.000 | 6.25 | 2  |  |
| Q 17   | 46377.4 | 21650.1 | 14.000 | 46410.2 | 21650.1 | 14.000 | 17.000 | 6.25 | 2  |  |
| Q 18   | 46436.7 | 21650.1 | 20.000 | 46502.4 | 21656.5 | 20.000 | 17.000 | 6.25 | 2  |  |
| Q 19   | 46502.4 | 21656.5 | 24.000 | 46564.1 | 21669.3 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 20   | 46564.1 | 21669.3 | 24.000 | 46608.1 | 21680.2 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 21   | 46629.0 | 21685.3 | 25.000 | 46694.7 | 21707.0 | 25.000 | 17.000 | 6.25 | 2  |  |
| Q 22   | 46694.7 | 21707.0 | 24.000 | 46753.1 | 21727.0 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 23   | 46753.1 | 21727.0 | 24.000 | 46814.8 | 21751.8 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 24   | 46814.8 | 21751.8 | 24.000 | 46864.5 | 21770.2 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 25   | 46894.9 | 21779.7 | 24.000 | 46926.2 | 21789.5 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 26   | 46926.2 | 21789.5 | 24.000 | 46992.7 | 21802.3 | 24.000 | 17.000 | 6.25 | 2  |  |
| Q 27   | 46992.7 | 21802.3 | 20.000 | 47042.3 | 21807.1 | 20.000 | 17.000 | 6.25 | 2  |  |
| Q 28   | 47042.3 | 21807.1 | 17.000 | 47100.8 | 21807.1 | 17.000 | 17.000 | 6.25 | 2  |  |
| Q 29   | 47100.8 | 21807.1 | 9.000  | 47133.6 | 21804.7 | 9.000  | 17.000 | 6.25 | 2  |  |
| Q 30   | 47133.6 | 21804.7 | 0.000  | 47186.5 | 21797.5 | 0.000  | 17.000 | 1.50 | 5  |  |
| Q 31   | 47186.5 | 21797.5 | 0.000  | 47240.2 | 21783.8 | 0.000  | 17.000 | 1.50 | 5  |  |

|      |         |         |        |         |         |        |        |      |   |
|------|---------|---------|--------|---------|---------|--------|--------|------|---|
| Q 32 | 47240.2 | 21783.8 | 0.000  | 47286.6 | 21767.8 | 0.000  | 17.000 | 1.50 | 5 |
| Q 33 | 47286.6 | 21767.8 | 0.000  | 47343.5 | 21741.4 | 0.000  | 17.000 | 1.50 | 5 |
| Q 34 | 47343.5 | 21741.4 | 0.000  | 47398.0 | 21711.0 | 0.000  | 17.000 | 1.50 | 5 |
| Q 35 | 47398.0 | 21711.0 | 0.000  | 47461.3 | 21664.5 | 0.000  | 17.000 | 1.50 | 5 |
| Q 36 | 47461.3 | 21664.5 | 0.000  | 47520.5 | 21614.0 | 0.000  | 17.000 | 1.50 | 5 |
| Q 37 | 47520.5 | 21614.0 | 0.000  | 47575.8 | 21567.6 | 0.000  | 17.000 | 1.50 | 5 |
| Q 38 | 47575.8 | 21567.6 | 0.000  | 47628.7 | 21526.7 | 0.000  | 17.000 | 1.50 | 5 |
| Q 39 | 47628.7 | 21526.7 | 0.000  | 47676.8 | 21496.3 | 0.000  | 17.000 | 1.50 | 5 |
| Q 40 | 47676.8 | 21496.3 | 0.000  | 47731.2 | 21468.2 | 0.000  | 17.000 | 1.50 | 5 |
| Q 41 | 47731.2 | 21468.2 | 0.000  | 47792.1 | 21444.2 | 0.000  | 17.000 | 1.50 | 5 |
| Q 42 | 47792.1 | 21444.2 | 0.000  | 47858.6 | 21424.2 | 0.000  | 17.000 | 1.50 | 5 |
| Q 43 | 47858.6 | 21424.2 | 0.000  | 47932.3 | 21409.8 | 0.000  | 17.000 | 1.50 | 5 |
| Q 44 | 47932.3 | 21409.8 | 0.000  | 48016.4 | 21403.3 | 0.000  | 17.000 | 1.50 | 5 |
| Q 45 | 48016.4 | 21403.3 | 0.000  | 48100.5 | 21400.1 | 0.000  | 17.000 | 1.50 | 5 |
| Q 46 | 48100.5 | 21400.1 | 0.000  | 48170.2 | 21398.5 | 0.000  | 17.000 | 1.50 | 5 |
| Q 47 | 48170.2 | 21398.5 | 0.000  | 48229.5 | 21396.1 | 0.000  | 17.000 | 1.50 | 5 |
| Q 48 | 48229.5 | 21396.1 | 0.000  | 48306.4 | 21384.1 | 0.000  | 17.000 | 1.50 | 5 |
| Q 49 | 48306.4 | 21384.1 | 0.000  | 48375.3 | 21365.7 | 0.000  | 17.000 | 1.50 | 5 |
| Q 50 | 48375.3 | 21365.7 | 0.000  | 48451.4 | 21334.5 | 0.000  | 17.000 | 1.50 | 5 |
| Q 51 | 48451.4 | 21334.5 | 0.000  | 48514.7 | 21299.2 | 0.000  | 17.000 | 1.50 | 5 |
| Q 52 | 48514.7 | 21299.2 | 0.000  | 48586.8 | 21244.7 | 0.000  | 17.000 | 1.50 | 5 |
| Q 53 | 48586.8 | 21244.7 | 0.000  | 48654.9 | 21167.8 | 0.000  | 17.000 | 1.50 | 5 |
| Q 54 | 48666.8 | 21178.4 | 0.000  | 48597.7 | 21256.5 | 0.000  | 17.000 | 1.50 | 5 |
| Q 55 | 48597.7 | 21256.5 | 0.000  | 48523.4 | 21312.6 | 0.000  | 17.000 | 1.50 | 5 |
| Q 56 | 48523.4 | 21312.6 | 0.000  | 48458.4 | 21348.9 | 0.000  | 17.000 | 1.50 | 5 |
| Q 57 | 48458.4 | 21348.9 | 0.000  | 48380.4 | 21380.9 | 0.000  | 17.000 | 1.50 | 5 |
| Q 58 | 48380.4 | 21380.9 | 0.000  | 48309.7 | 21399.8 | 0.000  | 17.000 | 1.50 | 5 |
| Q 59 | 48309.7 | 21399.8 | 0.000  | 48231.1 | 21412.1 | 0.000  | 17.000 | 1.50 | 5 |
| Q 60 | 48231.1 | 21412.1 | 0.000  | 48170.7 | 21414.5 | 0.000  | 17.000 | 1.50 | 4 |
| Q 61 | 48170.7 | 21414.5 | 0.000  | 48101.0 | 21416.1 | 0.000  | 17.000 | 1.50 | 4 |
| Q 62 | 48101.0 | 21416.1 | 0.000  | 48017.3 | 21419.3 | 0.000  | 17.000 | 1.50 | 4 |
| Q 63 | 48017.3 | 21419.3 | 0.000  | 47934.5 | 21425.6 | 0.000  | 17.000 | 1.50 | 4 |
| Q 64 | 47934.5 | 21425.6 | 0.000  | 47862.5 | 21439.7 | 0.000  | 17.000 | 1.50 | 4 |
| Q 65 | 47862.5 | 21439.7 | 0.000  | 47797.4 | 21459.3 | 0.000  | 17.000 | 1.50 | 4 |
| Q 66 | 47797.4 | 21459.3 | 0.000  | 47737.8 | 21482.8 | 0.000  | 17.000 | 1.50 | 4 |
| Q 67 | 47737.8 | 21482.8 | 0.000  | 47684.7 | 21510.2 | 0.000  | 17.000 | 1.50 | 4 |
| Q 68 | 47684.7 | 21510.2 | 0.000  | 47637.9 | 21539.8 | 0.000  | 17.000 | 1.50 | 4 |
| Q 69 | 47637.9 | 21539.8 | 0.000  | 47585.9 | 21580.0 | 0.000  | 17.000 | 1.50 | 4 |
| Q 70 | 47585.9 | 21580.0 | 0.000  | 47530.9 | 21626.2 | 0.000  | 17.000 | 1.50 | 4 |
| Q 71 | 47530.9 | 21626.2 | 0.000  | 47467.1 | 21680.2 | 0.000  | 17.000 | 1.50 | 4 |
| Q 72 | 47467.1 | 21680.2 | 0.000  | 47406.7 | 21724.4 | 0.000  | 17.000 | 6.25 | 2 |
| Q 73 | 47406.7 | 21724.4 | 0.000  | 47350.8 | 21755.7 | 0.000  | 17.000 | 6.25 | 2 |
| Q 74 | 47332.2 | 21764.3 | 0.000  | 47292.6 | 21782.7 | 0.000  | 17.000 | 6.25 | 2 |
| Q 75 | 47292.6 | 21782.7 | 0.000  | 47244.8 | 21799.2 | 0.000  | 17.000 | 6.25 | 2 |
| Q 76 | 47244.8 | 21799.2 | 0.000  | 47189.6 | 21813.2 | 0.000  | 17.000 | 6.25 | 2 |
| Q 77 | 47166.5 | 21816.3 | 6.000  | 47135.3 | 21820.6 | 6.000  | 17.000 | 6.25 | 2 |
| Q 78 | 47135.3 | 21820.6 | 9.000  | 47101.4 | 21823.1 | 9.000  | 17.000 | 6.25 | 2 |
| Q 79 | 47101.4 | 21823.1 | 17.000 | 47041.5 | 21823.1 | 17.000 | 17.000 | 6.25 | 2 |
| Q 80 | 47041.5 | 21823.1 | 20.000 | 46990.4 | 21818.1 | 20.000 | 17.000 | 6.25 | 2 |
| Q 81 | 46990.4 | 21818.1 | 24.000 | 46922.3 | 21805.0 | 24.000 | 17.000 | 6.25 | 2 |
| Q 82 | 46922.3 | 21805.0 | 24.000 | 46890.2 | 21795.0 | 24.000 | 17.000 | 6.25 | 2 |
| Q 83 | 46890.2 | 21795.0 | 24.000 | 46809.0 | 21766.7 | 24.000 | 17.000 | 6.25 | 2 |
| Q 84 | 46809.0 | 21766.7 | 24.000 | 46747.5 | 21742.0 | 24.000 | 17.000 | 6.25 | 2 |
| Q 85 | 46747.5 | 21742.0 | 24.000 | 46689.5 | 21722.1 | 24.000 | 17.000 | 6.25 | 2 |
| Q 86 | 46689.5 | 21722.1 | 25.000 | 46624.5 | 21700.7 | 25.000 | 17.000 | 6.25 | 2 |
| Q 87 | 46603.5 | 21695.5 | 24.000 | 46560.5 | 21684.9 | 24.000 | 17.000 | 6.25 | 2 |
| Q 88 | 46560.5 | 21684.9 | 24.000 | 46500.0 | 21672.3 | 24.000 | 17.000 | 6.25 | 2 |
| Q 89 | 46500.0 | 21672.3 | 20.000 | 46435.9 | 21666.1 | 20.000 | 17.000 | 6.25 | 2 |
| Q 90 | 46373.2 | 21666.1 | 12.000 | 46329.1 | 21666.1 | 12.000 | 17.000 | 6.25 | 2 |
| Q 91 | 46329.1 | 21666.1 | 8.000  | 46282.7 | 21669.2 | 8.000  | 17.000 | 6.25 | 2 |
| Q 92 | 46282.7 | 21669.2 | 8.000  | 46248.5 | 21673.1 | 8.000  | 17.000 | 6.25 | 2 |

|       |         |         |       |         |         |       |        |      |   |
|-------|---------|---------|-------|---------|---------|-------|--------|------|---|
| Q 93  | 46248.5 | 21673.1 | 0.000 | 46149.2 | 21692.8 | 0.000 | 17.000 | 6.25 | 2 |
| Q 94  | 46149.2 | 21692.8 | 0.000 | 46061.0 | 21721.9 | 0.000 | 17.000 | 1.50 | 5 |
| Q 95  | 46061.0 | 21721.9 | 0.000 | 45975.9 | 21758.2 | 0.000 | 17.000 | 1.50 | 5 |
| Q 96  | 45975.9 | 21758.2 | 0.000 | 45858.9 | 21823.5 | 0.000 | 17.000 | 1.50 | 5 |
| Q 97  | 45791.1 | 21861.2 | 0.000 | 45722.9 | 21899.1 | 0.000 | 17.000 | 1.50 | 5 |
| Q 98  | 45722.9 | 21899.1 | 0.000 | 45646.1 | 21933.4 | 0.000 | 17.000 | 1.50 | 5 |
| Q 99  | 45646.1 | 21933.4 | 0.000 | 45552.8 | 21962.1 | 0.000 | 17.000 | 1.50 | 5 |
| Q 100 | 45552.8 | 21962.1 | 0.000 | 45458.9 | 21978.4 | 0.000 | 17.000 | 1.50 | 5 |
| Q 101 | 45458.9 | 21978.4 | 0.000 | 45332.9 | 21987.3 | 0.000 | 17.000 | 1.50 | 5 |
| Q 102 | 45332.9 | 21987.3 | 0.000 | 45250.5 | 21990.5 | 0.000 | 17.000 | 1.50 | 5 |
| Q 103 | 45250.5 | 21990.5 | 0.000 | 45171.2 | 21996.8 | 0.000 | 17.000 | 1.50 | 5 |
| Q 104 | 45171.2 | 21996.8 | 0.000 | 45099.7 | 22007.0 | 0.000 | 17.000 | 1.50 | 5 |
| Q 105 | 45099.7 | 22007.0 | 0.000 | 45017.2 | 22028.5 | 0.000 | 17.000 | 1.50 | 5 |
| Q 106 | 47398.0 | 21711.0 | 0.000 | 47455.2 | 21661.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 107 | 47455.2 | 21661.7 | 0.000 | 47510.3 | 21611.0 | 0.000 | 3.000  | 1.50 | 1 |
| Q 108 | 47510.3 | 21611.0 | 0.000 | 47539.0 | 21580.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 109 | 47539.0 | 21580.3 | 0.000 | 47560.7 | 21543.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 110 | 47560.7 | 21543.8 | 0.000 | 47572.8 | 21496.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 111 | 47572.8 | 21496.1 | 0.000 | 47581.3 | 21458.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 112 | 47581.3 | 21458.9 | 0.000 | 47594.1 | 21433.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 113 | 47594.1 | 21433.9 | 0.000 | 47616.4 | 21415.0 | 0.000 | 3.000  | 1.50 | 1 |
| Q 114 | 47616.4 | 21415.0 | 0.000 | 47641.1 | 21406.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 115 | 47641.1 | 21406.6 | 0.000 | 47669.2 | 21406.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 116 | 47669.2 | 21406.6 | 0.000 | 47693.5 | 21415.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 117 | 47693.5 | 21415.3 | 0.000 | 47716.1 | 21440.4 | 0.000 | 3.000  | 1.50 | 1 |
| Q 118 | 47716.1 | 21440.4 | 0.000 | 47747.9 | 21496.5 | 0.000 | 7.000  | 1.50 | 1 |
| Q 119 | 47747.9 | 21496.5 | 0.000 | 47784.7 | 21568.4 | 0.000 | 7.000  | 1.50 | 1 |
| Q 120 | 47784.7 | 21568.4 | 2.000 | 47795.9 | 21589.1 | 2.000 | 7.000  | 1.50 | 1 |
| Q 121 | 47804.7 | 21607.7 | 8.000 | 47819.2 | 21638.1 | 8.000 | 7.000  | 1.50 | 1 |
| Q 122 | 47827.3 | 21656.0 | 2.000 | 47836.8 | 21676.9 | 2.000 | 7.000  | 1.50 | 1 |
| Q 123 | 47836.8 | 21676.9 | 0.000 | 47862.8 | 21734.4 | 0.000 | 7.000  | 1.50 | 1 |
| Q 124 | 47862.8 | 21734.4 | 0.000 | 47887.5 | 21778.0 | 0.000 | 7.000  | 1.50 | 1 |
| Q 125 | 47887.5 | 21778.0 | 0.000 | 47906.0 | 21803.0 | 0.000 | 7.000  | 1.50 | 1 |
| Q 126 | 47906.0 | 21803.0 | 0.000 | 47934.1 | 21818.5 | 0.000 | 7.000  | 1.50 | 1 |
| Q 127 | 47934.1 | 21818.5 | 0.000 | 47960.1 | 21822.2 | 0.000 | 7.000  | 1.50 | 1 |
| Q 128 | 47960.1 | 21822.2 | 0.000 | 47983.8 | 21816.8 | 0.000 | 7.000  | 1.50 | 1 |
| Q 129 | 47983.8 | 21816.8 | 0.000 | 47998.3 | 21792.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 130 | 47998.3 | 21792.8 | 0.000 | 47999.0 | 21763.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 131 | 47999.0 | 21763.1 | 0.000 | 47980.4 | 21740.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 132 | 47980.4 | 21740.8 | 0.000 | 47949.7 | 21736.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 133 | 47949.7 | 21736.1 | 0.000 | 47918.6 | 21746.5 | 0.000 | 3.000  | 1.50 | 1 |
| Q 134 | 47918.6 | 21746.5 | 0.000 | 47885.8 | 21760.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 135 | 47885.8 | 21760.7 | 0.000 | 47803.5 | 21780.4 | 0.000 | 3.000  | 1.50 | 1 |
| Q 136 | 47983.8 | 21816.8 | 0.000 | 48005.4 | 21797.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 137 | 48005.4 | 21797.9 | 0.000 | 48016.9 | 21770.2 | 0.000 | 3.000  | 1.50 | 1 |
| Q 138 | 48016.9 | 21770.2 | 0.000 | 48024.7 | 21735.0 | 0.000 | 3.000  | 1.50 | 1 |
| Q 139 | 48024.7 | 21735.0 | 0.000 | 48039.5 | 21706.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 140 | 48039.5 | 21706.7 | 0.000 | 48057.5 | 21686.4 | 0.000 | 3.000  | 1.50 | 1 |
| Q 141 | 48057.5 | 21686.4 | 0.000 | 48085.8 | 21665.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 142 | 48085.8 | 21665.1 | 0.000 | 48127.4 | 21643.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 143 | 48127.4 | 21643.1 | 0.000 | 48172.2 | 21609.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 144 | 48231.1 | 21412.1 | 0.000 | 48136.0 | 21422.2 | 0.000 | 3.000  | 1.50 | 1 |
| Q 145 | 48136.0 | 21422.2 | 0.000 | 48046.3 | 21428.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 146 | 48046.3 | 21428.6 | 0.000 | 47949.4 | 21443.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 147 | 47949.4 | 21443.8 | 0.000 | 47865.3 | 21464.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 148 | 47865.3 | 21464.6 | 0.000 | 47816.4 | 21483.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 149 | 47816.4 | 21483.9 | 0.000 | 47786.0 | 21516.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 150 | 47786.0 | 21516.7 | 0.000 | 47784.7 | 21568.4 | 0.000 | 3.000  | 1.50 | 1 |
| Q 151 | 47784.7 | 21568.4 | 0.000 | 47745.9 | 21539.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 152 | 47745.9 | 21539.9 | 0.000 | 47702.7 | 21534.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 153 | 47702.7 | 21534.3 | 0.000 | 47646.6 | 21563.2 | 0.000 | 3.000  | 1.50 | 1 |

|       |         |         |       |         |         |       |        |      |   |
|-------|---------|---------|-------|---------|---------|-------|--------|------|---|
| Q 154 | 47646.6 | 21563.2 | 0.000 | 47543.2 | 21633.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 155 | 47543.2 | 21633.7 | 0.000 | 47487.2 | 21676.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 156 | 47470.5 | 21688.5 | 0.000 | 47412.7 | 21729.0 | 0.000 | 3.000  | 6.25 | 1 |
| Q 157 | 47412.7 | 21729.0 | 0.000 | 47335.0 | 21773.0 | 0.000 | 3.000  | 6.25 | 1 |
| Q 158 | 47335.0 | 21773.0 | 0.000 | 47244.8 | 21799.2 | 0.000 | 3.000  | 6.25 | 1 |
| Q 159 | 47836.8 | 21676.9 | 0.000 | 47868.5 | 21696.1 | 0.000 | 3.000  | 1.50 | 1 |
| Q 160 | 47868.5 | 21696.1 | 0.000 | 47901.3 | 21703.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 161 | 47901.3 | 21703.3 | 0.000 | 47946.2 | 21695.3 | 0.000 | 3.000  | 1.50 | 1 |
| Q 162 | 47946.2 | 21695.3 | 0.000 | 47997.5 | 21676.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 163 | 47997.5 | 21676.9 | 0.000 | 48050.3 | 21656.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 164 | 48050.3 | 21656.9 | 0.000 | 48109.6 | 21630.5 | 0.000 | 3.000  | 1.50 | 1 |
| Q 165 | 48109.6 | 21630.5 | 0.000 | 48172.2 | 21609.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 166 | 47650.7 | 21824.8 | 0.000 | 47687.9 | 21805.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 167 | 47687.9 | 21805.8 | 0.000 | 47728.6 | 21788.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 168 | 47728.6 | 21788.9 | 0.000 | 47767.8 | 21772.7 | 0.000 | 3.000  | 1.50 | 1 |
| Q 169 | 47767.8 | 21772.7 | 0.000 | 47799.9 | 21755.8 | 0.000 | 3.000  | 1.50 | 1 |
| Q 170 | 47799.9 | 21755.8 | 0.000 | 47817.9 | 21736.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 171 | 47817.9 | 21736.6 | 0.000 | 47827.6 | 21709.6 | 0.000 | 3.000  | 1.50 | 1 |
| Q 172 | 47827.6 | 21709.6 | 0.000 | 47836.8 | 21676.9 | 0.000 | 3.000  | 1.50 | 1 |
| Q 173 | 45090.0 | 21434.0 | 0.000 | 45165.2 | 21414.3 | 0.000 | 7.000  | 1.50 | 1 |
| Q 174 | 45165.2 | 21414.3 | 0.000 | 45213.5 | 21395.0 | 0.000 | 7.000  | 1.50 | 1 |
| Q 175 | 45273.6 | 21364.9 | 0.000 | 45350.5 | 21306.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 176 | 45350.5 | 21306.5 | 0.000 | 45454.5 | 21186.8 | 0.000 | 7.000  | 1.50 | 1 |
| Q 177 | 45454.5 | 21186.8 | 0.000 | 45599.8 | 21095.7 | 0.000 | 7.000  | 1.50 | 1 |
| Q 178 | 45599.8 | 21095.7 | 0.000 | 45697.8 | 21047.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 179 | 45774.9 | 21023.1 | 0.000 | 45844.7 | 21010.3 | 0.000 | 7.000  | 1.50 | 1 |
| Q 180 | 45844.7 | 21010.3 | 0.000 | 45950.1 | 21020.2 | 0.000 | 7.000  | 1.50 | 1 |
| Q 181 | 46003.4 | 21034.4 | 0.000 | 46074.0 | 21061.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 182 | 46074.0 | 21061.5 | 0.000 | 46206.4 | 21129.9 | 0.000 | 7.000  | 1.50 | 2 |
| Q 183 | 46206.4 | 21129.9 | 0.000 | 46294.1 | 21177.1 | 0.000 | 7.000  | 1.50 | 2 |
| Q 184 | 46294.1 | 21177.1 | 0.000 | 46379.4 | 21227.6 | 0.000 | 7.000  | 1.50 | 2 |
| Q 185 | 46379.4 | 21227.6 | 0.000 | 46452.7 | 21275.0 | 0.000 | 7.000  | 1.50 | 2 |
| Q 186 | 46452.7 | 21275.0 | 0.000 | 46524.2 | 21326.7 | 0.000 | 7.000  | 1.50 | 2 |
| Q 187 | 46524.2 | 21326.7 | 0.000 | 46608.3 | 21387.4 | 0.000 | 7.000  | 1.50 | 2 |
| Q 188 | 46608.3 | 21387.4 | 0.000 | 46680.4 | 21441.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 189 | 46680.4 | 21441.5 | 0.000 | 46770.5 | 21508.8 | 0.000 | 7.000  | 1.50 | 2 |
| Q 190 | 46770.5 | 21508.8 | 0.000 | 46821.6 | 21553.2 | 0.000 | 7.000  | 1.50 | 2 |
| Q 191 | 46821.6 | 21553.2 | 0.000 | 46873.8 | 21611.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 192 | 46873.8 | 21611.5 | 0.000 | 46933.9 | 21680.6 | 0.000 | 7.000  | 1.50 | 2 |
| Q 193 | 46933.9 | 21680.6 | 0.000 | 47005.4 | 21745.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 194 | 47005.4 | 21745.5 | 0.000 | 47069.7 | 21787.5 | 0.000 | 7.000  | 1.50 | 2 |
| Q 195 | 47069.7 | 21787.5 | 0.000 | 47090.7 | 21797.7 | 0.000 | 7.000  | 1.50 | 2 |
| Q 196 | 47090.7 | 21797.7 | 0.000 | 47166.4 | 21829.0 | 0.000 | 7.000  | 1.50 | 2 |
| Q 197 | 47166.4 | 21829.0 | 0.000 | 47245.8 | 21847.6 | 0.000 | 7.000  | 1.50 | 2 |
| Q 198 | 47245.8 | 21847.6 | 5.000 | 47297.4 | 21853.6 | 5.000 | 7.000  | 1.50 | 1 |
| Q 199 | 47297.4 | 21853.6 | 5.000 | 47402.0 | 21857.2 | 5.000 | 7.000  | 1.50 | 1 |
| Q 200 | 47402.0 | 21857.2 | 0.000 | 47453.6 | 21852.4 | 0.000 | 7.000  | 1.50 | 1 |
| Q 201 | 47453.6 | 21852.4 | 0.000 | 47552.2 | 21843.4 | 0.000 | 7.000  | 1.50 | 1 |
| Q 202 | 47552.2 | 21843.4 | 0.000 | 47650.7 | 21824.8 | 0.000 | 14.000 | 1.50 | 1 |
| Q 203 | 47650.7 | 21824.8 | 0.000 | 47751.0 | 21798.9 | 0.000 | 14.000 | 1.50 | 1 |
| Q 204 | 47751.0 | 21798.9 | 0.000 | 47803.5 | 21780.4 | 0.000 | 14.000 | 1.50 | 2 |
| Q 205 | 47853.2 | 21762.9 | 0.000 | 47921.7 | 21735.3 | 0.000 | 14.000 | 1.50 | 1 |
| Q 206 | 47921.7 | 21735.3 | 0.000 | 48019.0 | 21687.8 | 0.000 | 14.000 | 1.50 | 2 |
| Q 207 | 48019.0 | 21687.8 | 0.000 | 48083.3 | 21654.1 | 0.000 | 14.000 | 1.50 | 2 |
| Q 208 | 48083.3 | 21654.1 | 0.000 | 48172.2 | 21609.7 | 0.000 | 14.000 | 1.50 | 2 |
| Q 209 | 48172.2 | 21609.7 | 0.000 | 48264.7 | 21568.8 | 0.000 | 14.000 | 1.50 | 2 |
| Q 210 | 48264.7 | 21568.8 | 0.000 | 48333.8 | 21541.8 | 0.000 | 14.000 | 1.50 | 2 |
| Q 211 | 48333.8 | 21541.8 | 0.000 | 48403.5 | 21520.8 | 0.000 | 14.000 | 1.50 | 2 |
| Q 212 | 48403.5 | 21520.8 | 0.000 | 48492.4 | 21500.3 | 0.000 | 14.000 | 1.50 | 2 |
| Q 213 | 48492.4 | 21500.3 | 0.000 | 48651.0 | 21479.3 | 0.000 | 14.000 | 1.50 | 2 |
| Q 214 | 47803.5 | 21780.4 | 0.000 | 47853.2 | 21762.9 | 0.000 | 14.000 | 1.50 | 1 |

|       |         |         |        |         |         |        |        |      |   |
|-------|---------|---------|--------|---------|---------|--------|--------|------|---|
| Q 215 | 47716.1 | 21440.4 | 0.000  | 47689.5 | 21417.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 216 | 47689.5 | 21417.7 | 0.000  | 47657.7 | 21410.5 | 0.000  | 3.000  | 1.50 | 1 |
| Q 217 | 47657.7 | 21410.5 | 0.000  | 47624.3 | 21417.7 | 0.000  | 3.000  | 1.50 | 1 |
| Q 218 | 47624.3 | 21417.7 | 0.000  | 47602.2 | 21434.2 | 0.000  | 3.000  | 1.50 | 1 |
| Q 219 | 47602.2 | 21434.2 | 0.000  | 47592.5 | 21457.5 | 0.000  | 3.000  | 1.50 | 1 |
| Q 220 | 47592.5 | 21457.5 | 0.000  | 47597.8 | 21481.6 | 0.000  | 3.000  | 1.50 | 1 |
| Q 221 | 47597.8 | 21481.6 | 0.000  | 47614.7 | 21498.5 | 0.000  | 3.000  | 1.50 | 1 |
| Q 222 | 47614.7 | 21498.5 | 0.000  | 47636.0 | 21503.8 | 0.000  | 3.000  | 1.50 | 1 |
| Q 223 | 47636.0 | 21503.8 | 0.000  | 47664.5 | 21496.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 224 | 47664.5 | 21496.9 | 0.000  | 47712.8 | 21471.2 | 0.000  | 3.000  | 1.50 | 1 |
| Q 225 | 47712.8 | 21471.2 | 0.000  | 47743.0 | 21455.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 226 | 47743.0 | 21455.9 | 0.000  | 47771.9 | 21443.0 | 0.000  | 3.000  | 1.50 | 1 |
| Q 227 | 47771.9 | 21443.0 | 0.000  | 47822.2 | 21426.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 228 | 47822.2 | 21426.9 | 0.000  | 47857.6 | 21416.9 | 0.000  | 3.000  | 1.50 | 1 |
| Q 229 | 47857.6 | 21416.9 | 0.000  | 47932.3 | 21409.8 | 0.000  | 3.000  | 1.50 | 1 |
| Q 230 | 45697.8 | 21047.5 | 0.000  | 45774.9 | 21023.1 | 0.000  | 7.000  | 1.50 | 1 |
| Q 231 | 45950.1 | 21020.2 | 0.000  | 46003.4 | 21034.4 | 0.000  | 7.000  | 1.50 | 2 |
| Q 232 | 45213.5 | 21395.0 | 0.000  | 45273.6 | 21364.9 | 0.000  | 7.000  | 1.50 | 2 |
| Q 233 | 46435.9 | 21666.1 | 18.000 | 46409.3 | 21666.1 | 18.000 | 17.000 | 6.25 | 2 |
| Q 234 | 46410.2 | 21650.1 | 18.000 | 46436.7 | 21650.1 | 18.000 | 17.000 | 6.25 | 2 |
| Q 235 | 46409.3 | 21666.1 | 14.000 | 46373.2 | 21666.1 | 14.000 | 17.000 | 6.25 | 2 |
| Q 236 | 46624.5 | 21700.7 | 25.000 | 46603.5 | 21695.5 | 25.000 | 17.000 | 6.25 | 2 |
| Q 237 | 46608.1 | 21680.2 | 25.000 | 46629.0 | 21685.3 | 25.000 | 17.000 | 6.25 | 2 |
| Q 238 | 47189.6 | 21813.2 | 0.000  | 47166.5 | 21816.3 | 0.000  | 17.000 | 6.25 | 2 |
| Q 239 | 47819.2 | 21638.1 | 5.000  | 47827.3 | 21656.0 | 5.000  | 7.000  | 1.50 | 1 |
| Q 240 | 47795.9 | 21589.1 | 5.000  | 47804.7 | 21607.7 | 5.000  | 7.000  | 1.50 | 1 |
| Q 241 | 45858.9 | 21823.5 | 0.000  | 45791.1 | 21861.2 | 0.000  | 17.000 | 2.80 | 5 |
| Q 242 | 46055.4 | 21707.0 | 0.000  | 46094.5 | 21694.0 | 0.000  | 17.000 | 1.50 | 5 |
| Q 243 | 46890.2 | 21795.0 | 24.000 | 46859.3 | 21785.4 | 24.000 | 17.000 | 6.25 | 2 |
| Q 244 | 46864.5 | 21770.2 | 24.000 | 46894.9 | 21779.7 | 24.000 | 17.000 | 6.25 | 2 |
| Q 245 | 47350.8 | 21755.7 | 0.000  | 47332.2 | 21764.3 | 0.000  | 17.000 | 6.25 | 2 |
| Q 246 | 47487.2 | 21676.9 | 0.000  | 47470.5 | 21688.5 | 0.000  | 3.000  | 1.50 | 1 |

= Definition der gasfoermigen Komponenten ===== substances.def

. Name = Gas  
 Einheit = mg  
 Vsed = 0.0  
 Rate = 1200

| ! Substance | Vdep | RefC | RefD |
|-------------|------|------|------|
| K ENH3      | 0.0  | 0.1  | 0.1  |
| K ENOx      | 0.0  | 0.1  | 0.1  |

= Definition der Quell-Staerken ===== emissions.def

. Emisfac = ?

| ! Source | gas.ENH3 | gas.ENOx |
|----------|----------|----------|
| E 1      | 0.53193  | 7.37896  |
| E 2      | 0.45509  | 6.31312  |
| E 3      | 0.49666  | 6.88978  |
| E 4      | 0.51030  | 7.07893  |
| E 5      | 0.77423  | 10.74027 |
| E 6      | 0.57785  | 8.01598  |
| E 7      | 0.59036  | 9.82982  |

|      |         |          |
|------|---------|----------|
| E 8  | 0.50968 | 8.48644  |
| E 9  | 0.95741 | 15.94138 |
| E 10 | 0.83327 | 13.87443 |
| E 11 | 0.58117 | 9.67678  |
| E 12 | 0.32940 | 5.48461  |
| E 13 | 0.63597 | 10.58925 |
| E 14 | 0.21918 | 3.64948  |
| E 15 | 0.29280 | 4.87529  |
| E 16 | 0.30195 | 5.02769  |
| E 17 | 0.20227 | 3.36792  |
| E 18 | 0.40789 | 6.79161  |
| E 19 | 0.38933 | 6.48252  |
| E 20 | 0.28047 | 4.66996  |
| E 21 | 0.42741 | 7.11651  |
| E 22 | 0.38196 | 6.35980  |
| E 23 | 0.41097 | 6.84280  |
| E 24 | 0.32733 | 5.45022  |
| E 25 | 0.20254 | 2.80970  |
| E 26 | 0.41848 | 5.80518  |
| E 27 | 0.30833 | 4.27719  |
| E 28 | 0.36141 | 5.01349  |
| E 29 | 0.20349 | 2.82288  |
| E 30 | 0.32982 | 4.57535  |
| E 31 | 0.34219 | 4.74698  |
| E 32 | 0.30371 | 4.21315  |
| E 33 | 0.38761 | 5.37704  |
| E 34 | 0.38562 | 6.42081  |
| E 35 | 0.40401 | 6.96698  |
| E 36 | 0.40061 | 6.90824  |
| E 37 | 0.37163 | 6.40856  |
| E 38 | 0.34382 | 4.82656  |
| E 39 | 0.29275 | 4.10966  |
| E 40 | 0.31531 | 6.49488  |
| E 41 | 0.33681 | 6.93779  |
| E 42 | 0.35735 | 7.36080  |
| E 43 | 0.38640 | 7.95929  |
| E 44 | 0.52010 | 10.60454 |
| E 45 | 0.51891 | 10.58028 |
| E 46 | 0.42975 | 8.76234  |
| E 47 | 0.36576 | 7.45765  |
| E 48 | 0.47990 | 13.97265 |
| E 49 | 0.43964 | 12.80062 |
| E 50 | 0.50715 | 14.76615 |
| E 51 | 0.44662 | 13.00376 |
| E 52 | 0.55704 | 16.21865 |
| E 53 | 0.63322 | 18.43689 |
| E 54 | 0.64247 | 3.47782  |
| E 55 | 0.57325 | 3.10311  |
| E 56 | 0.45881 | 2.48366  |
| E 57 | 0.51889 | 2.80888  |
| E 58 | 0.45075 | 2.44000  |
| E 59 | 0.49028 | 2.65401  |
| E 60 | 0.30714 | 5.21888  |
| E 61 | 0.35464 | 6.02592  |
| E 62 | 0.42596 | 7.23774  |
| E 63 | 0.42270 | 7.18236  |
| E 64 | 0.37314 | 6.34027  |
| E 65 | 0.34575 | 5.87482  |
| E 66 | 0.32544 | 5.52981  |
| E 67 | 0.30392 | 5.16414  |
| E 68 | 0.28193 | 3.93793  |

|       |         |          |
|-------|---------|----------|
| E 69  | 0.33434 | 4.66994  |
| E 70  | 0.36531 | 7.49872  |
| E 71  | 0.42466 | 8.71689  |
| E 72  | 0.38123 | 7.82551  |
| E 73  | 0.32544 | 6.68030  |
| E 74  | 0.22165 | 3.09598  |
| E 75  | 0.25759 | 3.59793  |
| E 76  | 0.34675 | 4.78190  |
| E 77  | 0.19155 | 2.64156  |
| E 78  | 0.20709 | 2.85587  |
| E 79  | 0.36437 | 5.02476  |
| E 80  | 0.31309 | 4.31764  |
| E 81  | 0.42236 | 5.82450  |
| E 82  | 0.20472 | 2.82320  |
| E 83  | 0.32648 | 6.63791  |
| E 84  | 0.40366 | 8.20712  |
| E 85  | 0.37323 | 7.58851  |
| E 86  | 0.41682 | 8.47464  |
| E 87  | 0.26964 | 5.48215  |
| E 88  | 0.37650 | 7.65495  |
| E 89  | 0.39191 | 7.96828  |
| E 90  | 0.26840 | 5.45710  |
| E 91  | 0.28294 | 5.75260  |
| E 92  | 0.20977 | 4.26495  |
| E 93  | 0.61654 | 12.53536 |
| E 94  | 0.56527 | 11.49301 |
| E 95  | 0.56331 | 11.45301 |
| E 96  | 0.81593 | 16.58929 |
| E 97  | 0.47517 | 9.66110  |
| E 98  | 0.51240 | 10.41790 |
| E 99  | 0.59382 | 12.07348 |
| E 100 | 0.58041 | 8.00410  |
| E 101 | 0.76936 | 10.60981 |
| E 102 | 0.50229 | 6.92686  |
| E 103 | 0.48434 | 6.67930  |
| E 104 | 0.43984 | 6.06559  |
| E 105 | 0.51869 | 7.15294  |
| E 106 | 0.07671 | 1.06300  |
| E 107 | 0.07607 | 1.26080  |
| E 108 | 0.02642 | 0.33093  |
| E 109 | 0.02664 | 0.33369  |
| E 110 | 0.03088 | 0.36231  |
| E 111 | 0.02394 | 0.28089  |
| E 112 | 0.01703 | 0.28779  |
| E 113 | 0.01773 | 0.29961  |
| E 114 | 0.01580 | 0.26703  |
| E 115 | 0.01700 | 0.28723  |
| E 116 | 0.01567 | 0.26490  |
| E 117 | 0.02044 | 0.34545  |
| E 118 | 0.07788 | 1.26557  |
| E 119 | 0.10124 | 1.43364  |
| E 120 | 0.05914 | 0.83546  |
| E 121 | 0.08494 | 1.19993  |
| E 122 | 0.05793 | 0.81828  |
| E 123 | 0.07576 | 0.91398  |
| E 124 | 0.06015 | 0.72576  |
| E 125 | 0.03612 | 0.58585  |
| E 126 | 0.03717 | 0.60295  |
| E 127 | 0.03046 | 0.56430  |
| E 128 | 0.02813 | 0.52104  |
| E 129 | 0.00821 | 0.13484  |

|       |         |         |
|-------|---------|---------|
| E 130 | 0.00870 | 0.14297 |
| E 131 | 0.00849 | 0.13953 |
| E 132 | 0.00910 | 0.14952 |
| E 133 | 0.00960 | 0.15766 |
| E 134 | 0.01083 | 0.11953 |
| E 135 | 0.02566 | 0.33332 |
| E 136 | 0.02490 | 0.39695 |
| E 137 | 0.02599 | 0.41427 |
| E 138 | 0.03231 | 0.35556 |
| E 139 | 0.02877 | 0.31654 |
| E 140 | 0.02428 | 0.26716 |
| E 141 | 0.03185 | 0.38183 |
| E 142 | 0.06409 | 0.62770 |
| E 143 | 0.07618 | 0.74611 |
| E 144 | 0.10217 | 1.31894 |
| E 145 | 0.09615 | 1.19271 |
| E 146 | 0.10489 | 0.20556 |
| E 147 | 0.05676 | 0.67551 |
| E 148 | 0.03440 | 0.40935 |
| E 149 | 0.02933 | 0.34909 |
| E 150 | 0.03390 | 0.36937 |
| E 151 | 0.02978 | 0.53125 |
| E 152 | 0.02697 | 0.33998 |
| E 153 | 0.03899 | 0.49143 |
| E 154 | 0.07734 | 0.91567 |
| E 155 | 0.04379 | 0.51845 |
| E 156 | 0.07055 | 0.49564 |
| E 157 | 0.08929 | 1.75269 |
| E 158 | 0.09387 | 1.23215 |
| E 159 | 0.03661 | 0.43495 |
| E 160 | 0.03320 | 0.36043 |
| E 161 | 0.04500 | 0.32227 |
| E 162 | 0.05379 | 0.38527 |
| E 163 | 0.05582 | 0.39983 |
| E 164 | 0.09742 | 0.94696 |
| E 165 | 0.09899 | 0.96216 |
| E 166 | 0.01388 | 0.23272 |
| E 167 | 0.01463 | 0.24525 |
| E 168 | 0.01459 | 0.18229 |
| E 169 | 0.01250 | 0.22133 |
| E 170 | 0.00908 | 0.16066 |
| E 171 | 0.00988 | 0.17484 |
| E 172 | 0.01169 | 0.14610 |
| E 173 | 0.15449 | 2.66448 |
| E 174 | 0.10328 | 1.78122 |
| E 175 | 0.19842 | 2.12905 |
| E 176 | 0.31492 | 4.43771 |
| E 177 | 0.34074 | 5.35375 |
| E 178 | 0.22453 | 2.70313 |
| E 179 | 0.14097 | 2.52291 |
| E 180 | 0.19934 | 3.29967 |
| E 181 | 0.14731 | 1.79973 |
| E 182 | 0.45189 | 4.26110 |
| E 183 | 0.30183 | 2.84606 |
| E 184 | 0.30055 | 2.83398 |
| E 185 | 0.26475 | 2.49649 |
| E 186 | 0.26747 | 2.52209 |
| E 187 | 0.31446 | 2.96518 |
| E 188 | 0.27325 | 2.96501 |
| E 189 | 0.34101 | 3.70027 |
| E 190 | 0.20530 | 2.22771 |

|                   |          |           |
|-------------------|----------|-----------|
| E 191             | 0.23736  | 2.57561   |
| E 192             | 0.27761  | 3.01229   |
| E 193             | 0.29276  | 2.76052   |
| E 194             | 0.23289  | 2.19606   |
| E 195             | 0.07089  | 0.66849   |
| E 196             | 0.24830  | 2.34131   |
| E 197             | 0.24701  | 2.32913   |
| E 198             | 0.15772  | 1.48720   |
| E 199             | 0.20377  | 2.21548   |
| E 200             | 0.09772  | 1.35494   |
| E 201             | 0.18631  | 3.08399   |
| E 202             | 0.21289  | 3.50665   |
| E 203             | 0.18648  | 2.95265   |
| E 204             | 0.10347  | 1.01640   |
| E 205             | 0.11507  | 1.23120   |
| E 206             | 0.16871  | 1.99677   |
| E 207             | 0.11305  | 1.17408   |
| E 208             | 0.15488  | 1.60847   |
| E 209             | 0.34722  | 4.12149   |
| E 210             | 0.39372  | 3.47786   |
| E 211             | 0.38623  | 3.41172   |
| E 212             | 0.48410  | 4.27627   |
| E 213             | 0.84895  | 7.49911   |
| E 214             | 0.08213  | 0.76540   |
| E 215             | 0.02074  | 0.42448   |
| E 216             | 0.01931  | 0.39522   |
| E 217             | 0.02024  | 0.41429   |
| E 218             | 0.01635  | 0.33457   |
| E 219             | 0.01497  | 0.30629   |
| E 220             | 0.01463  | 0.29949   |
| E 221             | 0.01416  | 0.28974   |
| E 222             | 0.01301  | 0.26628   |
| E 223             | 0.01740  | 0.27505   |
| E 224             | 0.03242  | 0.51244   |
| E 225             | 0.02076  | 0.24367   |
| E 226             | 0.01946  | 0.22840   |
| E 227             | 0.05305  | 0.64130   |
| E 228             | 0.03697  | 0.39806   |
| E 229             | 0.07543  | 0.96226   |
| E 230             | 0.16073  | 2.87646   |
| E 231             | 0.10746  | 1.31285   |
| E 232             | 0.13834  | 1.66547   |
| E 233             | 0.16197  | 3.29308   |
| E 234             | 0.16408  | 2.73199   |
| E 235             | 0.22006  | 4.47413   |
| E 236             | 0.13183  | 2.68042   |
| E 237             | 0.13259  | 2.20770   |
| E 238             | 0.14190  | 1.95683   |
| E 239             | 0.04967  | 0.70168   |
| E 240             | 0.05197  | 0.73412   |
| E 241             | 0.47242  | 9.60519   |
| E 242             | 0.25455  | 4.23833   |
| E 243             | 0.19671  | 3.99943   |
| E 244             | 0.19679  | 3.27673   |
| E 245             | 0.10456  | 2.14622   |
| E 246             | 0.02029  | 0.14256   |
| -----+-----+----- |          |           |
| -Summe            | 60.49286 | 952.66970 |
| -----+-----+----- |          |           |
| -----             |          |           |

**Grid.def**

- Definition of calculation grid ===== GRID.DEF

```
.
Sk = { 0.0 2.0 4.0 6.0 8.0 10.0 15.0 25.0 40.0 65.0 100.0 150.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0 1000.0
1200.0 1500.0 }
Nzd = 6
RefX = 400000
RefY = 5600000
Flags = +NESTED
.
```

| ! Nm   NI Ni Nt Pt | Dd   | Xmin    | Ymin    | Nx  | Ny  | Nz | Im   | le       |
|--------------------|------|---------|---------|-----|-----|----|------|----------|
| N N1   1 1 3 3     | 20.0 | 45160.0 | 20700.0 | 367 | 95  | 21 | 2000 | 1.0e-004 |
| N N2   2 1 3 3     | 10.0 | 45200.0 | 20800.0 | 320 | 170 | 21 | 2000 | 1.0e-004 |

**Meteo.def**

===== meteo.def

- LPRAKS 3.4.10: dispersion class statistics WR\_24879\_Rea6.wnd2

```
.
Version = 5.3 ' boundary layer version
Xa = 52470.0 ' anemometer (measurement) x-position (m)
Ya = 21030.0 ' anemometer (measurement) y-position (m)
Ha = 15.7 ' anemometer (measurement) height above ground (m)
ZO = 0.500 ' surface roughness length (m)
DO = 3.000 ' displacement height (m)
Ua = ? ' wind speed (m/s)
Ra = ? ' wind direction (Grad)
KM = ? ' dispersion class according to Klug/Manier
ZgMean = 299 ' average terrain height (m)
Sg = ? ' statistical weight
WindLib = ~./lib_bin ' wind field library
.
```

| !                | T1              | T2          | Ua    | Ra    | KM  | Sg      |  |
|------------------|-----------------|-------------|-------|-------|-----|---------|--|
| -(dddd.hh:mm:ss) | (dddd.hh:mm:ss) | (m/s)       | (deg) | (K/M) | (1) |         |  |
| Z                | 00:00:00        | 1.00:00:00  | 1.0   | 6.00  | 1.0 | 1.43276 |  |
| Z                | 1.00:00:00      | 2.00:00:00  | 1.0   | 8.00  | 1.0 | 1.43276 |  |
| Z                | 2.00:00:00      | 3.00:00:00  | 1.0   | 10.00 | 1.0 | 1.43276 |  |
| Z                | 3.00:00:00      | 4.00:00:00  | 1.0   | 12.00 | 1.0 | 1.43276 |  |
| Z                | 4.00:00:00      | 5.00:00:00  | 1.0   | 14.00 | 1.0 | 1.43276 |  |
| Z                | 5.00:00:00      | 6.00:00:00  | 1.0   | 16.00 | 1.0 | 1.25642 |  |
| Z                | 6.00:00:00      | 7.00:00:00  | 1.0   | 18.00 | 1.0 | 1.25642 |  |
| Z                | 7.00:00:00      | 8.00:00:00  | 1.0   | 20.00 | 1.0 | 1.25642 |  |
| Z                | 8.00:00:00      | 9.00:00:00  | 1.0   | 22.00 | 1.0 | 1.25642 |  |
| Z                | 9.00:00:00      | 10.00:00:00 | 1.0   | 24.00 | 1.0 | 1.25642 |  |
| Z                | 10.00:00:00     | 11.00:00:00 | 1.0   | 26.00 | 1.0 | 1.56501 |  |
| Z                | 11.00:00:00     | 12.00:00:00 | 1.0   | 28.00 | 1.0 | 1.56501 |  |
| Z                | 12.00:00:00     | 13.00:00:00 | 1.0   | 30.00 | 1.0 | 1.56501 |  |
| Z                | 13.00:00:00     | 14.00:00:00 | 1.0   | 32.00 | 1.0 | 1.56501 |  |
| Z                | 14.00:00:00     | 15.00:00:00 | 1.0   | 34.00 | 1.0 | 1.56501 |  |
| Z                | 15.00:00:00     | 16.00:00:00 | 1.0   | 36.00 | 1.0 | 1.59808 |  |
| Z                | 16.00:00:00     | 17.00:00:00 | 1.0   | 38.00 | 1.0 | 1.59808 |  |
| Z                | 17.00:00:00     | 18.00:00:00 | 1.0   | 40.00 | 1.0 | 1.59808 |  |
| Z                | 18.00:00:00     | 19.00:00:00 | 1.0   | 42.00 | 1.0 | 1.59808 |  |
| Z                | 19.00:00:00     | 20.00:00:00 | 1.0   | 44.00 | 1.0 | 1.59808 |  |
| Z                | 20.00:00:00     | 21.00:00:00 | 1.0   | 46.00 | 1.0 | 1.53195 |  |
| Z                | 21.00:00:00     | 22.00:00:00 | 1.0   | 48.00 | 1.0 | 1.53195 |  |
| Z                | 22.00:00:00     | 23.00:00:00 | 1.0   | 50.00 | 1.0 | 1.53195 |  |

|   |             |             |     |        |     |         |
|---|-------------|-------------|-----|--------|-----|---------|
| Z | 23.00:00:00 | 24.00:00:00 | 1.0 | 52.00  | 1.0 | 1.53195 |
| Z | 24.00:00:00 | 25.00:00:00 | 1.0 | 54.00  | 1.0 | 1.53195 |
| Z | 25.00:00:00 | 26.00:00:00 | 1.0 | 56.00  | 1.0 | 1.60910 |
| Z | 26.00:00:00 | 27.00:00:00 | 1.0 | 58.00  | 1.0 | 1.60910 |
| Z | 27.00:00:00 | 28.00:00:00 | 1.0 | 60.00  | 1.0 | 1.60910 |
| Z | 28.00:00:00 | 29.00:00:00 | 1.0 | 62.00  | 1.0 | 1.60910 |
| Z | 29.00:00:00 | 30.00:00:00 | 1.0 | 64.00  | 1.0 | 1.60910 |
| Z | 30.00:00:00 | 31.00:00:00 | 1.0 | 66.00  | 1.0 | 1.44378 |
| Z | 31.00:00:00 | 32.00:00:00 | 1.0 | 68.00  | 1.0 | 1.44378 |
| Z | 32.00:00:00 | 33.00:00:00 | 1.0 | 70.00  | 1.0 | 1.44378 |
| Z | 33.00:00:00 | 34.00:00:00 | 1.0 | 72.00  | 1.0 | 1.44378 |
| Z | 34.00:00:00 | 35.00:00:00 | 1.0 | 74.00  | 1.0 | 1.44378 |
| Z | 35.00:00:00 | 36.00:00:00 | 1.0 | 76.00  | 1.0 | 1.35561 |
| Z | 36.00:00:00 | 37.00:00:00 | 1.0 | 78.00  | 1.0 | 1.35561 |
| Z | 37.00:00:00 | 38.00:00:00 | 1.0 | 80.00  | 1.0 | 1.35561 |
| Z | 38.00:00:00 | 39.00:00:00 | 1.0 | 82.00  | 1.0 | 1.35561 |
| Z | 39.00:00:00 | 40.00:00:00 | 1.0 | 84.00  | 1.0 | 1.35561 |
| Z | 40.00:00:00 | 41.00:00:00 | 1.0 | 86.00  | 1.0 | 1.54297 |
| Z | 41.00:00:00 | 42.00:00:00 | 1.0 | 88.00  | 1.0 | 1.54297 |
| Z | 42.00:00:00 | 43.00:00:00 | 1.0 | 90.00  | 1.0 | 1.54297 |
| Z | 43.00:00:00 | 44.00:00:00 | 1.0 | 92.00  | 1.0 | 1.54297 |
| Z | 44.00:00:00 | 45.00:00:00 | 1.0 | 94.00  | 1.0 | 1.54297 |
| Z | 45.00:00:00 | 46.00:00:00 | 1.0 | 96.00  | 1.0 | 1.33357 |
| Z | 46.00:00:00 | 47.00:00:00 | 1.0 | 98.00  | 1.0 | 1.33357 |
| Z | 47.00:00:00 | 48.00:00:00 | 1.0 | 100.00 | 1.0 | 1.33357 |
| Z | 48.00:00:00 | 49.00:00:00 | 1.0 | 102.00 | 1.0 | 1.33357 |
| Z | 49.00:00:00 | 50.00:00:00 | 1.0 | 104.00 | 1.0 | 1.33357 |
| Z | 50.00:00:00 | 51.00:00:00 | 1.0 | 106.00 | 1.0 | 1.23438 |
| Z | 51.00:00:00 | 52.00:00:00 | 1.0 | 108.00 | 1.0 | 1.23438 |
| Z | 52.00:00:00 | 53.00:00:00 | 1.0 | 110.00 | 1.0 | 1.23438 |
| Z | 53.00:00:00 | 54.00:00:00 | 1.0 | 112.00 | 1.0 | 1.23438 |
| Z | 54.00:00:00 | 55.00:00:00 | 1.0 | 114.00 | 1.0 | 1.23438 |
| Z | 55.00:00:00 | 56.00:00:00 | 1.0 | 116.00 | 1.0 | 1.24540 |
| Z | 56.00:00:00 | 57.00:00:00 | 1.0 | 118.00 | 1.0 | 1.24540 |
| Z | 57.00:00:00 | 58.00:00:00 | 1.0 | 120.00 | 1.0 | 1.24540 |
| Z | 58.00:00:00 | 59.00:00:00 | 1.0 | 122.00 | 1.0 | 1.24540 |
| Z | 59.00:00:00 | 60.00:00:00 | 1.0 | 124.00 | 1.0 | 1.24540 |
| Z | 60.00:00:00 | 61.00:00:00 | 1.0 | 126.00 | 1.0 | 1.56501 |
| Z | 61.00:00:00 | 62.00:00:00 | 1.0 | 128.00 | 1.0 | 1.56501 |
| Z | 62.00:00:00 | 63.00:00:00 | 1.0 | 130.00 | 1.0 | 1.56501 |
| Z | 63.00:00:00 | 64.00:00:00 | 1.0 | 132.00 | 1.0 | 1.56501 |
| Z | 64.00:00:00 | 65.00:00:00 | 1.0 | 134.00 | 1.0 | 1.56501 |
| Z | 65.00:00:00 | 66.00:00:00 | 1.0 | 136.00 | 1.0 | 1.54297 |
| Z | 66.00:00:00 | 67.00:00:00 | 1.0 | 138.00 | 1.0 | 1.54297 |
| Z | 67.00:00:00 | 68.00:00:00 | 1.0 | 140.00 | 1.0 | 1.54297 |
| Z | 68.00:00:00 | 69.00:00:00 | 1.0 | 142.00 | 1.0 | 1.54297 |
| Z | 69.00:00:00 | 70.00:00:00 | 1.0 | 144.00 | 1.0 | 1.54297 |
| Z | 70.00:00:00 | 71.00:00:00 | 1.0 | 146.00 | 1.0 | 1.41072 |
| Z | 71.00:00:00 | 72.00:00:00 | 1.0 | 148.00 | 1.0 | 1.41072 |
| Z | 72.00:00:00 | 73.00:00:00 | 1.0 | 150.00 | 1.0 | 1.41072 |
| Z | 73.00:00:00 | 74.00:00:00 | 1.0 | 152.00 | 1.0 | 1.41072 |
| Z | 74.00:00:00 | 75.00:00:00 | 1.0 | 154.00 | 1.0 | 1.41072 |
| Z | 75.00:00:00 | 76.00:00:00 | 1.0 | 156.00 | 1.0 | 1.32255 |
| Z | 76.00:00:00 | 77.00:00:00 | 1.0 | 158.00 | 1.0 | 1.32255 |
| Z | 77.00:00:00 | 78.00:00:00 | 1.0 | 160.00 | 1.0 | 1.32255 |
| Z | 78.00:00:00 | 79.00:00:00 | 1.0 | 162.00 | 1.0 | 1.32255 |
| Z | 79.00:00:00 | 80.00:00:00 | 1.0 | 164.00 | 1.0 | 1.32255 |
| Z | 80.00:00:00 | 81.00:00:00 | 1.0 | 166.00 | 1.0 | 1.33357 |
| Z | 81.00:00:00 | 82.00:00:00 | 1.0 | 168.00 | 1.0 | 1.33357 |
| Z | 82.00:00:00 | 83.00:00:00 | 1.0 | 170.00 | 1.0 | 1.33357 |
| Z | 83.00:00:00 | 84.00:00:00 | 1.0 | 172.00 | 1.0 | 1.33357 |

|   |              |              |     |        |     |         |
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| Z | 84.00:00:00  | 85.00:00:00  | 1.0 | 174.00 | 1.0 | 1.33357 |
| Z | 85.00:00:00  | 86.00:00:00  | 1.0 | 176.00 | 1.0 | 1.12416 |
| Z | 86.00:00:00  | 87.00:00:00  | 1.0 | 178.00 | 1.0 | 1.12416 |
| Z | 87.00:00:00  | 88.00:00:00  | 1.0 | 180.00 | 1.0 | 1.12416 |
| Z | 88.00:00:00  | 89.00:00:00  | 1.0 | 182.00 | 1.0 | 1.12416 |
| Z | 89.00:00:00  | 90.00:00:00  | 1.0 | 184.00 | 1.0 | 1.12416 |
| Z | 90.00:00:00  | 91.00:00:00  | 1.0 | 186.00 | 1.0 | 1.06906 |
| Z | 91.00:00:00  | 92.00:00:00  | 1.0 | 188.00 | 1.0 | 1.06906 |
| Z | 92.00:00:00  | 93.00:00:00  | 1.0 | 190.00 | 1.0 | 1.06906 |
| Z | 93.00:00:00  | 94.00:00:00  | 1.0 | 192.00 | 1.0 | 1.06906 |
| Z | 94.00:00:00  | 95.00:00:00  | 1.0 | 194.00 | 1.0 | 1.06906 |
| Z | 95.00:00:00  | 96.00:00:00  | 1.0 | 196.00 | 1.0 | 1.13518 |
| Z | 96.00:00:00  | 97.00:00:00  | 1.0 | 198.00 | 1.0 | 1.13518 |
| Z | 97.00:00:00  | 98.00:00:00  | 1.0 | 200.00 | 1.0 | 1.13518 |
| Z | 98.00:00:00  | 99.00:00:00  | 1.0 | 202.00 | 1.0 | 1.13518 |
| Z | 99.00:00:00  | 100.00:00:00 | 1.0 | 204.00 | 1.0 | 1.13518 |
| Z | 100.00:00:00 | 101.00:00:00 | 1.0 | 206.00 | 1.0 | 1.08008 |
| Z | 101.00:00:00 | 102.00:00:00 | 1.0 | 208.00 | 1.0 | 1.08008 |
| Z | 102.00:00:00 | 103.00:00:00 | 1.0 | 210.00 | 1.0 | 1.08008 |
| Z | 103.00:00:00 | 104.00:00:00 | 1.0 | 212.00 | 1.0 | 1.08008 |
| Z | 104.00:00:00 | 105.00:00:00 | 1.0 | 214.00 | 1.0 | 1.08008 |
| Z | 105.00:00:00 | 106.00:00:00 | 1.0 | 216.00 | 1.0 | 1.00293 |
| Z | 106.00:00:00 | 107.00:00:00 | 1.0 | 218.00 | 1.0 | 1.00293 |
| Z | 107.00:00:00 | 108.00:00:00 | 1.0 | 220.00 | 1.0 | 1.00293 |
| Z | 108.00:00:00 | 109.00:00:00 | 1.0 | 222.00 | 1.0 | 1.00293 |
| Z | 109.00:00:00 | 110.00:00:00 | 1.0 | 224.00 | 1.0 | 1.00293 |
| Z | 110.00:00:00 | 111.00:00:00 | 1.0 | 226.00 | 1.0 | 1.04702 |
| Z | 111.00:00:00 | 112.00:00:00 | 1.0 | 228.00 | 1.0 | 1.04702 |
| Z | 112.00:00:00 | 113.00:00:00 | 1.0 | 230.00 | 1.0 | 1.04702 |
| Z | 113.00:00:00 | 114.00:00:00 | 1.0 | 232.00 | 1.0 | 1.04702 |
| Z | 114.00:00:00 | 115.00:00:00 | 1.0 | 234.00 | 1.0 | 1.04702 |
| Z | 115.00:00:00 | 116.00:00:00 | 1.0 | 236.00 | 1.0 | 1.17927 |
| Z | 116.00:00:00 | 117.00:00:00 | 1.0 | 238.00 | 1.0 | 1.17927 |
| Z | 117.00:00:00 | 118.00:00:00 | 1.0 | 240.00 | 1.0 | 1.17927 |
| Z | 118.00:00:00 | 119.00:00:00 | 1.0 | 242.00 | 1.0 | 1.17927 |
| Z | 119.00:00:00 | 120.00:00:00 | 1.0 | 244.00 | 1.0 | 1.17927 |
| Z | 120.00:00:00 | 121.00:00:00 | 1.0 | 246.00 | 1.0 | 0.87068 |
| Z | 121.00:00:00 | 122.00:00:00 | 1.0 | 248.00 | 1.0 | 0.87068 |
| Z | 122.00:00:00 | 123.00:00:00 | 1.0 | 250.00 | 1.0 | 0.87068 |
| Z | 123.00:00:00 | 124.00:00:00 | 1.0 | 252.00 | 1.0 | 0.87068 |
| Z | 124.00:00:00 | 125.00:00:00 | 1.0 | 254.00 | 1.0 | 0.87068 |
| Z | 125.00:00:00 | 126.00:00:00 | 1.0 | 256.00 | 1.0 | 1.02497 |
| Z | 126.00:00:00 | 127.00:00:00 | 1.0 | 258.00 | 1.0 | 1.02497 |
| Z | 127.00:00:00 | 128.00:00:00 | 1.0 | 260.00 | 1.0 | 1.02497 |
| Z | 128.00:00:00 | 129.00:00:00 | 1.0 | 262.00 | 1.0 | 1.02497 |
| Z | 129.00:00:00 | 130.00:00:00 | 1.0 | 264.00 | 1.0 | 1.02497 |
| Z | 130.00:00:00 | 131.00:00:00 | 1.0 | 266.00 | 1.0 | 1.03599 |
| Z | 131.00:00:00 | 132.00:00:00 | 1.0 | 268.00 | 1.0 | 1.03599 |
| Z | 132.00:00:00 | 133.00:00:00 | 1.0 | 270.00 | 1.0 | 1.03599 |
| Z | 133.00:00:00 | 134.00:00:00 | 1.0 | 272.00 | 1.0 | 1.03599 |
| Z | 134.00:00:00 | 135.00:00:00 | 1.0 | 274.00 | 1.0 | 1.03599 |
| Z | 135.00:00:00 | 136.00:00:00 | 1.0 | 276.00 | 1.0 | 1.09110 |
| Z | 136.00:00:00 | 137.00:00:00 | 1.0 | 278.00 | 1.0 | 1.09110 |
| Z | 137.00:00:00 | 138.00:00:00 | 1.0 | 280.00 | 1.0 | 1.09110 |
| Z | 138.00:00:00 | 139.00:00:00 | 1.0 | 282.00 | 1.0 | 1.09110 |
| Z | 139.00:00:00 | 140.00:00:00 | 1.0 | 284.00 | 1.0 | 1.09110 |
| Z | 140.00:00:00 | 141.00:00:00 | 1.0 | 286.00 | 1.0 | 1.09110 |
| Z | 141.00:00:00 | 142.00:00:00 | 1.0 | 288.00 | 1.0 | 1.09110 |
| Z | 142.00:00:00 | 143.00:00:00 | 1.0 | 290.00 | 1.0 | 1.09110 |
| Z | 143.00:00:00 | 144.00:00:00 | 1.0 | 292.00 | 1.0 | 1.09110 |
| Z | 144.00:00:00 | 145.00:00:00 | 1.0 | 294.00 | 1.0 | 1.09110 |

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| Z | 145.00:00:00 | 146.00:00:00 | 1.0 | 296.00 | 1.0 | 1.30050 |
| Z | 146.00:00:00 | 147.00:00:00 | 1.0 | 298.00 | 1.0 | 1.30050 |
| Z | 147.00:00:00 | 148.00:00:00 | 1.0 | 300.00 | 1.0 | 1.30050 |
| Z | 148.00:00:00 | 149.00:00:00 | 1.0 | 302.00 | 1.0 | 1.30050 |
| Z | 149.00:00:00 | 150.00:00:00 | 1.0 | 304.00 | 1.0 | 1.30050 |
| Z | 150.00:00:00 | 151.00:00:00 | 1.0 | 306.00 | 1.0 | 1.05804 |
| Z | 151.00:00:00 | 152.00:00:00 | 1.0 | 308.00 | 1.0 | 1.05804 |
| Z | 152.00:00:00 | 153.00:00:00 | 1.0 | 310.00 | 1.0 | 1.05804 |
| Z | 153.00:00:00 | 154.00:00:00 | 1.0 | 312.00 | 1.0 | 1.05804 |
| Z | 154.00:00:00 | 155.00:00:00 | 1.0 | 314.00 | 1.0 | 1.05804 |
| Z | 155.00:00:00 | 156.00:00:00 | 1.0 | 316.00 | 1.0 | 0.87068 |
| Z | 156.00:00:00 | 157.00:00:00 | 1.0 | 318.00 | 1.0 | 0.87068 |
| Z | 157.00:00:00 | 158.00:00:00 | 1.0 | 320.00 | 1.0 | 0.87068 |
| Z | 158.00:00:00 | 159.00:00:00 | 1.0 | 322.00 | 1.0 | 0.87068 |
| Z | 159.00:00:00 | 160.00:00:00 | 1.0 | 324.00 | 1.0 | 0.87068 |
| Z | 160.00:00:00 | 161.00:00:00 | 1.0 | 326.00 | 1.0 | 0.88170 |
| Z | 161.00:00:00 | 162.00:00:00 | 1.0 | 328.00 | 1.0 | 0.88170 |
| Z | 162.00:00:00 | 163.00:00:00 | 1.0 | 330.00 | 1.0 | 0.88170 |
| Z | 163.00:00:00 | 164.00:00:00 | 1.0 | 332.00 | 1.0 | 0.88170 |
| Z | 164.00:00:00 | 165.00:00:00 | 1.0 | 334.00 | 1.0 | 0.88170 |
| Z | 165.00:00:00 | 166.00:00:00 | 1.0 | 336.00 | 1.0 | 1.02497 |
| Z | 166.00:00:00 | 167.00:00:00 | 1.0 | 338.00 | 1.0 | 1.02497 |
| Z | 167.00:00:00 | 168.00:00:00 | 1.0 | 340.00 | 1.0 | 1.02497 |
| Z | 168.00:00:00 | 169.00:00:00 | 1.0 | 342.00 | 1.0 | 1.02497 |
| Z | 169.00:00:00 | 170.00:00:00 | 1.0 | 344.00 | 1.0 | 1.02497 |
| Z | 170.00:00:00 | 171.00:00:00 | 1.0 | 346.00 | 1.0 | 0.93680 |
| Z | 171.00:00:00 | 172.00:00:00 | 1.0 | 348.00 | 1.0 | 0.93680 |
| Z | 172.00:00:00 | 173.00:00:00 | 1.0 | 350.00 | 1.0 | 0.93680 |
| Z | 173.00:00:00 | 174.00:00:00 | 1.0 | 352.00 | 1.0 | 0.93680 |
| Z | 174.00:00:00 | 175.00:00:00 | 1.0 | 354.00 | 1.0 | 0.93680 |
| Z | 175.00:00:00 | 176.00:00:00 | 1.0 | 356.00 | 1.0 | 1.21233 |
| Z | 176.00:00:00 | 177.00:00:00 | 1.0 | 358.00 | 1.0 | 1.21233 |
| Z | 177.00:00:00 | 178.00:00:00 | 1.0 | 360.00 | 1.0 | 1.21233 |
| Z | 178.00:00:00 | 179.00:00:00 | 1.0 | 362.00 | 1.0 | 1.21233 |
| Z | 179.00:00:00 | 180.00:00:00 | 1.0 | 364.00 | 1.0 | 1.21233 |
| Z | 180.00:00:00 | 181.00:00:00 | 1.5 | 6.00   | 1.0 | 1.43276 |
| Z | 181.00:00:00 | 182.00:00:00 | 1.5 | 8.00   | 1.0 | 1.43276 |
| Z | 182.00:00:00 | 183.00:00:00 | 1.5 | 10.00  | 1.0 | 1.43276 |
| Z | 183.00:00:00 | 184.00:00:00 | 1.5 | 12.00  | 1.0 | 1.43276 |
| Z | 184.00:00:00 | 185.00:00:00 | 1.5 | 14.00  | 1.0 | 1.43276 |
| Z | 185.00:00:00 | 186.00:00:00 | 1.5 | 16.00  | 1.0 | 1.12416 |
| Z | 186.00:00:00 | 187.00:00:00 | 1.5 | 18.00  | 1.0 | 1.12416 |
| Z | 187.00:00:00 | 188.00:00:00 | 1.5 | 20.00  | 1.0 | 1.12416 |
| Z | 188.00:00:00 | 189.00:00:00 | 1.5 | 22.00  | 1.0 | 1.12416 |
| Z | 189.00:00:00 | 190.00:00:00 | 1.5 | 24.00  | 1.0 | 1.12416 |
| Z | 190.00:00:00 | 191.00:00:00 | 1.5 | 26.00  | 1.0 | 1.52093 |
| Z | 191.00:00:00 | 192.00:00:00 | 1.5 | 28.00  | 1.0 | 1.52093 |
| Z | 192.00:00:00 | 193.00:00:00 | 1.5 | 30.00  | 1.0 | 1.52093 |
| Z | 193.00:00:00 | 194.00:00:00 | 1.5 | 32.00  | 1.0 | 1.52093 |
| Z | 194.00:00:00 | 195.00:00:00 | 1.5 | 34.00  | 1.0 | 1.52093 |
| Z | 195.00:00:00 | 196.00:00:00 | 1.5 | 36.00  | 1.0 | 2.14914 |
| Z | 196.00:00:00 | 197.00:00:00 | 1.5 | 38.00  | 1.0 | 2.14914 |
| Z | 197.00:00:00 | 198.00:00:00 | 1.5 | 40.00  | 1.0 | 2.14914 |
| Z | 198.00:00:00 | 199.00:00:00 | 1.5 | 42.00  | 1.0 | 2.14914 |
| Z | 199.00:00:00 | 200.00:00:00 | 1.5 | 44.00  | 1.0 | 2.14914 |
| Z | 200.00:00:00 | 201.00:00:00 | 1.5 | 46.00  | 1.0 | 1.95075 |
| Z | 201.00:00:00 | 202.00:00:00 | 1.5 | 48.00  | 1.0 | 1.95075 |
| Z | 202.00:00:00 | 203.00:00:00 | 1.5 | 50.00  | 1.0 | 1.95075 |
| Z | 203.00:00:00 | 204.00:00:00 | 1.5 | 52.00  | 1.0 | 1.95075 |
| Z | 204.00:00:00 | 205.00:00:00 | 1.5 | 54.00  | 1.0 | 1.95075 |
| Z | 205.00:00:00 | 206.00:00:00 | 1.5 | 56.00  | 1.0 | 1.98382 |

|   |              |              |     |        |     |         |
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| Z | 206.00:00:00 | 207.00:00:00 | 1.5 | 58.00  | 1.0 | 1.98382 |
| Z | 207.00:00:00 | 208.00:00:00 | 1.5 | 60.00  | 1.0 | 1.98382 |
| Z | 208.00:00:00 | 209.00:00:00 | 1.5 | 62.00  | 1.0 | 1.98382 |
| Z | 209.00:00:00 | 210.00:00:00 | 1.5 | 64.00  | 1.0 | 1.98382 |
| Z | 210.00:00:00 | 211.00:00:00 | 1.5 | 66.00  | 1.0 | 1.84054 |
| Z | 211.00:00:00 | 212.00:00:00 | 1.5 | 68.00  | 1.0 | 1.84054 |
| Z | 212.00:00:00 | 213.00:00:00 | 1.5 | 70.00  | 1.0 | 1.84054 |
| Z | 213.00:00:00 | 214.00:00:00 | 1.5 | 72.00  | 1.0 | 1.84054 |
| Z | 214.00:00:00 | 215.00:00:00 | 1.5 | 74.00  | 1.0 | 1.84054 |
| Z | 215.00:00:00 | 216.00:00:00 | 1.5 | 76.00  | 1.0 | 1.64216 |
| Z | 216.00:00:00 | 217.00:00:00 | 1.5 | 78.00  | 1.0 | 1.64216 |
| Z | 217.00:00:00 | 218.00:00:00 | 1.5 | 80.00  | 1.0 | 1.64216 |
| Z | 218.00:00:00 | 219.00:00:00 | 1.5 | 82.00  | 1.0 | 1.64216 |
| Z | 219.00:00:00 | 220.00:00:00 | 1.5 | 84.00  | 1.0 | 1.64216 |
| Z | 220.00:00:00 | 221.00:00:00 | 1.5 | 86.00  | 1.0 | 1.54297 |
| Z | 221.00:00:00 | 222.00:00:00 | 1.5 | 88.00  | 1.0 | 1.54297 |
| Z | 222.00:00:00 | 223.00:00:00 | 1.5 | 90.00  | 1.0 | 1.54297 |
| Z | 223.00:00:00 | 224.00:00:00 | 1.5 | 92.00  | 1.0 | 1.54297 |
| Z | 224.00:00:00 | 225.00:00:00 | 1.5 | 94.00  | 1.0 | 1.54297 |
| Z | 225.00:00:00 | 226.00:00:00 | 1.5 | 96.00  | 1.0 | 1.37765 |
| Z | 226.00:00:00 | 227.00:00:00 | 1.5 | 98.00  | 1.0 | 1.37765 |
| Z | 227.00:00:00 | 228.00:00:00 | 1.5 | 100.00 | 1.0 | 1.37765 |
| Z | 228.00:00:00 | 229.00:00:00 | 1.5 | 102.00 | 1.0 | 1.37765 |
| Z | 229.00:00:00 | 230.00:00:00 | 1.5 | 104.00 | 1.0 | 1.37765 |
| Z | 230.00:00:00 | 231.00:00:00 | 1.5 | 106.00 | 1.0 | 1.03599 |
| Z | 231.00:00:00 | 232.00:00:00 | 1.5 | 108.00 | 1.0 | 1.03599 |
| Z | 232.00:00:00 | 233.00:00:00 | 1.5 | 110.00 | 1.0 | 1.03599 |
| Z | 233.00:00:00 | 234.00:00:00 | 1.5 | 112.00 | 1.0 | 1.03599 |
| Z | 234.00:00:00 | 235.00:00:00 | 1.5 | 114.00 | 1.0 | 1.03599 |
| Z | 235.00:00:00 | 236.00:00:00 | 1.5 | 116.00 | 1.0 | 1.08008 |
| Z | 236.00:00:00 | 237.00:00:00 | 1.5 | 118.00 | 1.0 | 1.08008 |
| Z | 237.00:00:00 | 238.00:00:00 | 1.5 | 120.00 | 1.0 | 1.08008 |
| Z | 238.00:00:00 | 239.00:00:00 | 1.5 | 122.00 | 1.0 | 1.08008 |
| Z | 239.00:00:00 | 240.00:00:00 | 1.5 | 124.00 | 1.0 | 1.08008 |
| Z | 240.00:00:00 | 241.00:00:00 | 1.5 | 126.00 | 1.0 | 0.96987 |
| Z | 241.00:00:00 | 242.00:00:00 | 1.5 | 128.00 | 1.0 | 0.96987 |
| Z | 242.00:00:00 | 243.00:00:00 | 1.5 | 130.00 | 1.0 | 0.96987 |
| Z | 243.00:00:00 | 244.00:00:00 | 1.5 | 132.00 | 1.0 | 0.96987 |
| Z | 244.00:00:00 | 245.00:00:00 | 1.5 | 134.00 | 1.0 | 0.96987 |
| Z | 245.00:00:00 | 246.00:00:00 | 1.5 | 136.00 | 1.0 | 1.00293 |
| Z | 246.00:00:00 | 247.00:00:00 | 1.5 | 138.00 | 1.0 | 1.00293 |
| Z | 247.00:00:00 | 248.00:00:00 | 1.5 | 140.00 | 1.0 | 1.00293 |
| Z | 248.00:00:00 | 249.00:00:00 | 1.5 | 142.00 | 1.0 | 1.00293 |
| Z | 249.00:00:00 | 250.00:00:00 | 1.5 | 144.00 | 1.0 | 1.00293 |
| Z | 250.00:00:00 | 251.00:00:00 | 1.5 | 146.00 | 1.0 | 0.82659 |
| Z | 251.00:00:00 | 252.00:00:00 | 1.5 | 148.00 | 1.0 | 0.82659 |
| Z | 252.00:00:00 | 253.00:00:00 | 1.5 | 150.00 | 1.0 | 0.82659 |
| Z | 253.00:00:00 | 254.00:00:00 | 1.5 | 152.00 | 1.0 | 0.82659 |
| Z | 254.00:00:00 | 255.00:00:00 | 1.5 | 154.00 | 1.0 | 0.82659 |
| Z | 255.00:00:00 | 256.00:00:00 | 1.5 | 156.00 | 1.0 | 0.68332 |
| Z | 256.00:00:00 | 257.00:00:00 | 1.5 | 158.00 | 1.0 | 0.68332 |
| Z | 257.00:00:00 | 258.00:00:00 | 1.5 | 160.00 | 1.0 | 0.68332 |
| Z | 258.00:00:00 | 259.00:00:00 | 1.5 | 162.00 | 1.0 | 0.68332 |
| Z | 259.00:00:00 | 260.00:00:00 | 1.5 | 164.00 | 1.0 | 0.68332 |
| Z | 260.00:00:00 | 261.00:00:00 | 1.5 | 166.00 | 1.0 | 0.50698 |
| Z | 261.00:00:00 | 262.00:00:00 | 1.5 | 168.00 | 1.0 | 0.50698 |
| Z | 262.00:00:00 | 263.00:00:00 | 1.5 | 170.00 | 1.0 | 0.50698 |
| Z | 263.00:00:00 | 264.00:00:00 | 1.5 | 172.00 | 1.0 | 0.50698 |
| Z | 264.00:00:00 | 265.00:00:00 | 1.5 | 174.00 | 1.0 | 0.50698 |
| Z | 265.00:00:00 | 266.00:00:00 | 1.5 | 176.00 | 1.0 | 0.46289 |
| Z | 266.00:00:00 | 267.00:00:00 | 1.5 | 178.00 | 1.0 | 0.46289 |

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| Z | 267.00:00:00 | 268.00:00:00 | 1.5 | 180.00 | 1.0 | 0.46289 |
| Z | 268.00:00:00 | 269.00:00:00 | 1.5 | 182.00 | 1.0 | 0.46289 |
| Z | 269.00:00:00 | 270.00:00:00 | 1.5 | 184.00 | 1.0 | 0.46289 |
| Z | 270.00:00:00 | 271.00:00:00 | 1.5 | 186.00 | 1.0 | 0.45187 |
| Z | 271.00:00:00 | 272.00:00:00 | 1.5 | 188.00 | 1.0 | 0.45187 |
| Z | 272.00:00:00 | 273.00:00:00 | 1.5 | 190.00 | 1.0 | 0.45187 |
| Z | 273.00:00:00 | 274.00:00:00 | 1.5 | 192.00 | 1.0 | 0.45187 |
| Z | 274.00:00:00 | 275.00:00:00 | 1.5 | 194.00 | 1.0 | 0.45187 |
| Z | 275.00:00:00 | 276.00:00:00 | 1.5 | 196.00 | 1.0 | 0.34166 |
| Z | 276.00:00:00 | 277.00:00:00 | 1.5 | 198.00 | 1.0 | 0.34166 |
| Z | 277.00:00:00 | 278.00:00:00 | 1.5 | 200.00 | 1.0 | 0.34166 |
| Z | 278.00:00:00 | 279.00:00:00 | 1.5 | 202.00 | 1.0 | 0.34166 |
| Z | 279.00:00:00 | 280.00:00:00 | 1.5 | 204.00 | 1.0 | 0.34166 |
| Z | 280.00:00:00 | 281.00:00:00 | 1.5 | 206.00 | 1.0 | 0.50698 |
| Z | 281.00:00:00 | 282.00:00:00 | 1.5 | 208.00 | 1.0 | 0.50698 |
| Z | 282.00:00:00 | 283.00:00:00 | 1.5 | 210.00 | 1.0 | 0.50698 |
| Z | 283.00:00:00 | 284.00:00:00 | 1.5 | 212.00 | 1.0 | 0.50698 |
| Z | 284.00:00:00 | 285.00:00:00 | 1.5 | 214.00 | 1.0 | 0.50698 |
| Z | 285.00:00:00 | 286.00:00:00 | 1.5 | 216.00 | 1.0 | 0.47391 |
| Z | 286.00:00:00 | 287.00:00:00 | 1.5 | 218.00 | 1.0 | 0.47391 |
| Z | 287.00:00:00 | 288.00:00:00 | 1.5 | 220.00 | 1.0 | 0.47391 |
| Z | 288.00:00:00 | 289.00:00:00 | 1.5 | 222.00 | 1.0 | 0.47391 |
| Z | 289.00:00:00 | 290.00:00:00 | 1.5 | 224.00 | 1.0 | 0.47391 |
| Z | 290.00:00:00 | 291.00:00:00 | 1.5 | 226.00 | 1.0 | 0.45187 |
| Z | 291.00:00:00 | 292.00:00:00 | 1.5 | 228.00 | 1.0 | 0.45187 |
| Z | 292.00:00:00 | 293.00:00:00 | 1.5 | 230.00 | 1.0 | 0.45187 |
| Z | 293.00:00:00 | 294.00:00:00 | 1.5 | 232.00 | 1.0 | 0.45187 |
| Z | 294.00:00:00 | 295.00:00:00 | 1.5 | 234.00 | 1.0 | 0.45187 |
| Z | 295.00:00:00 | 296.00:00:00 | 1.5 | 236.00 | 1.0 | 0.44085 |
| Z | 296.00:00:00 | 297.00:00:00 | 1.5 | 238.00 | 1.0 | 0.44085 |
| Z | 297.00:00:00 | 298.00:00:00 | 1.5 | 240.00 | 1.0 | 0.44085 |
| Z | 298.00:00:00 | 299.00:00:00 | 1.5 | 242.00 | 1.0 | 0.44085 |
| Z | 299.00:00:00 | 300.00:00:00 | 1.5 | 244.00 | 1.0 | 0.44085 |
| Z | 300.00:00:00 | 301.00:00:00 | 1.5 | 246.00 | 1.0 | 0.54004 |
| Z | 301.00:00:00 | 302.00:00:00 | 1.5 | 248.00 | 1.0 | 0.54004 |
| Z | 302.00:00:00 | 303.00:00:00 | 1.5 | 250.00 | 1.0 | 0.54004 |
| Z | 303.00:00:00 | 304.00:00:00 | 1.5 | 252.00 | 1.0 | 0.54004 |
| Z | 304.00:00:00 | 305.00:00:00 | 1.5 | 254.00 | 1.0 | 0.54004 |
| Z | 305.00:00:00 | 306.00:00:00 | 1.5 | 256.00 | 1.0 | 0.29757 |
| Z | 306.00:00:00 | 307.00:00:00 | 1.5 | 258.00 | 1.0 | 0.29757 |
| Z | 307.00:00:00 | 308.00:00:00 | 1.5 | 260.00 | 1.0 | 0.29757 |
| Z | 308.00:00:00 | 309.00:00:00 | 1.5 | 262.00 | 1.0 | 0.29757 |
| Z | 309.00:00:00 | 310.00:00:00 | 1.5 | 264.00 | 1.0 | 0.29757 |
| Z | 310.00:00:00 | 311.00:00:00 | 1.5 | 266.00 | 1.0 | 0.48493 |
| Z | 311.00:00:00 | 312.00:00:00 | 1.5 | 268.00 | 1.0 | 0.48493 |
| Z | 312.00:00:00 | 313.00:00:00 | 1.5 | 270.00 | 1.0 | 0.48493 |
| Z | 313.00:00:00 | 314.00:00:00 | 1.5 | 272.00 | 1.0 | 0.48493 |
| Z | 314.00:00:00 | 315.00:00:00 | 1.5 | 274.00 | 1.0 | 0.48493 |
| Z | 315.00:00:00 | 316.00:00:00 | 1.5 | 276.00 | 1.0 | 0.80455 |
| Z | 316.00:00:00 | 317.00:00:00 | 1.5 | 278.00 | 1.0 | 0.80455 |
| Z | 317.00:00:00 | 318.00:00:00 | 1.5 | 280.00 | 1.0 | 0.80455 |
| Z | 318.00:00:00 | 319.00:00:00 | 1.5 | 282.00 | 1.0 | 0.80455 |
| Z | 319.00:00:00 | 320.00:00:00 | 1.5 | 284.00 | 1.0 | 0.80455 |
| Z | 320.00:00:00 | 321.00:00:00 | 1.5 | 286.00 | 1.0 | 1.13518 |
| Z | 321.00:00:00 | 322.00:00:00 | 1.5 | 288.00 | 1.0 | 1.13518 |
| Z | 322.00:00:00 | 323.00:00:00 | 1.5 | 290.00 | 1.0 | 1.13518 |
| Z | 323.00:00:00 | 324.00:00:00 | 1.5 | 292.00 | 1.0 | 1.13518 |
| Z | 324.00:00:00 | 325.00:00:00 | 1.5 | 294.00 | 1.0 | 1.13518 |
| Z | 325.00:00:00 | 326.00:00:00 | 1.5 | 296.00 | 1.0 | 1.15723 |
| Z | 326.00:00:00 | 327.00:00:00 | 1.5 | 298.00 | 1.0 | 1.15723 |
| Z | 327.00:00:00 | 328.00:00:00 | 1.5 | 300.00 | 1.0 | 1.15723 |

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| Z | 328.00:00:00 | 329.00:00:00 | 1.5 | 302.00 | 1.0 | 1.15723 |
| Z | 329.00:00:00 | 330.00:00:00 | 1.5 | 304.00 | 1.0 | 1.15723 |
| Z | 330.00:00:00 | 331.00:00:00 | 1.5 | 306.00 | 1.0 | 1.15723 |
| Z | 331.00:00:00 | 332.00:00:00 | 1.5 | 308.00 | 1.0 | 1.15723 |
| Z | 332.00:00:00 | 333.00:00:00 | 1.5 | 310.00 | 1.0 | 1.15723 |
| Z | 333.00:00:00 | 334.00:00:00 | 1.5 | 312.00 | 1.0 | 1.15723 |
| Z | 334.00:00:00 | 335.00:00:00 | 1.5 | 314.00 | 1.0 | 1.15723 |
| Z | 335.00:00:00 | 336.00:00:00 | 1.5 | 316.00 | 1.0 | 1.09110 |
| Z | 336.00:00:00 | 337.00:00:00 | 1.5 | 318.00 | 1.0 | 1.09110 |
| Z | 337.00:00:00 | 338.00:00:00 | 1.5 | 320.00 | 1.0 | 1.09110 |
| Z | 338.00:00:00 | 339.00:00:00 | 1.5 | 322.00 | 1.0 | 1.09110 |
| Z | 339.00:00:00 | 340.00:00:00 | 1.5 | 324.00 | 1.0 | 1.09110 |
| Z | 340.00:00:00 | 341.00:00:00 | 1.5 | 326.00 | 1.0 | 1.15723 |
| Z | 341.00:00:00 | 342.00:00:00 | 1.5 | 328.00 | 1.0 | 1.15723 |
| Z | 342.00:00:00 | 343.00:00:00 | 1.5 | 330.00 | 1.0 | 1.15723 |
| Z | 343.00:00:00 | 344.00:00:00 | 1.5 | 332.00 | 1.0 | 1.15723 |
| Z | 344.00:00:00 | 345.00:00:00 | 1.5 | 334.00 | 1.0 | 1.15723 |
| Z | 345.00:00:00 | 346.00:00:00 | 1.5 | 336.00 | 1.0 | 1.17927 |
| Z | 346.00:00:00 | 347.00:00:00 | 1.5 | 338.00 | 1.0 | 1.17927 |
| Z | 347.00:00:00 | 348.00:00:00 | 1.5 | 340.00 | 1.0 | 1.17927 |
| Z | 348.00:00:00 | 349.00:00:00 | 1.5 | 342.00 | 1.0 | 1.17927 |
| Z | 349.00:00:00 | 350.00:00:00 | 1.5 | 344.00 | 1.0 | 1.17927 |
| Z | 350.00:00:00 | 351.00:00:00 | 1.5 | 346.00 | 1.0 | 0.99191 |
| Z | 351.00:00:00 | 352.00:00:00 | 1.5 | 348.00 | 1.0 | 0.99191 |
| Z | 352.00:00:00 | 353.00:00:00 | 1.5 | 350.00 | 1.0 | 0.99191 |
| Z | 353.00:00:00 | 354.00:00:00 | 1.5 | 352.00 | 1.0 | 0.99191 |
| Z | 354.00:00:00 | 355.00:00:00 | 1.5 | 354.00 | 1.0 | 0.99191 |
| Z | 355.00:00:00 | 356.00:00:00 | 1.5 | 356.00 | 1.0 | 1.01395 |
| Z | 356.00:00:00 | 357.00:00:00 | 1.5 | 358.00 | 1.0 | 1.01395 |
| Z | 357.00:00:00 | 358.00:00:00 | 1.5 | 360.00 | 1.0 | 1.01395 |
| Z | 358.00:00:00 | 359.00:00:00 | 1.5 | 362.00 | 1.0 | 1.01395 |
| Z | 359.00:00:00 | 360.00:00:00 | 1.5 | 364.00 | 1.0 | 1.01395 |
| Z | 360.00:00:00 | 361.00:00:00 | 1.0 | 6.00   | 2.0 | 2.07199 |
| Z | 361.00:00:00 | 362.00:00:00 | 1.0 | 8.00   | 2.0 | 2.07199 |
| Z | 362.00:00:00 | 363.00:00:00 | 1.0 | 10.00  | 2.0 | 2.07199 |
| Z | 363.00:00:00 | 364.00:00:00 | 1.0 | 12.00  | 2.0 | 2.07199 |
| Z | 364.00:00:00 | 365.00:00:00 | 1.0 | 14.00  | 2.0 | 2.07199 |
| Z | 365.00:00:00 | 366.00:00:00 | 1.0 | 16.00  | 2.0 | 2.02790 |
| Z | 366.00:00:00 | 367.00:00:00 | 1.0 | 18.00  | 2.0 | 2.02790 |
| Z | 367.00:00:00 | 368.00:00:00 | 1.0 | 20.00  | 2.0 | 2.02790 |
| Z | 368.00:00:00 | 369.00:00:00 | 1.0 | 22.00  | 2.0 | 2.02790 |
| Z | 369.00:00:00 | 370.00:00:00 | 1.0 | 24.00  | 2.0 | 2.02790 |
| Z | 370.00:00:00 | 371.00:00:00 | 1.0 | 26.00  | 2.0 | 2.29241 |
| Z | 371.00:00:00 | 372.00:00:00 | 1.0 | 28.00  | 2.0 | 2.29241 |
| Z | 372.00:00:00 | 373.00:00:00 | 1.0 | 30.00  | 2.0 | 2.29241 |
| Z | 373.00:00:00 | 374.00:00:00 | 1.0 | 32.00  | 2.0 | 2.29241 |
| Z | 374.00:00:00 | 375.00:00:00 | 1.0 | 34.00  | 2.0 | 2.29241 |
| Z | 375.00:00:00 | 376.00:00:00 | 1.0 | 36.00  | 2.0 | 2.35854 |
| Z | 376.00:00:00 | 377.00:00:00 | 1.0 | 38.00  | 2.0 | 2.35854 |
| Z | 377.00:00:00 | 378.00:00:00 | 1.0 | 40.00  | 2.0 | 2.35854 |
| Z | 378.00:00:00 | 379.00:00:00 | 1.0 | 42.00  | 2.0 | 2.35854 |
| Z | 379.00:00:00 | 380.00:00:00 | 1.0 | 44.00  | 2.0 | 2.35854 |
| Z | 380.00:00:00 | 381.00:00:00 | 1.0 | 46.00  | 2.0 | 2.29241 |
| Z | 381.00:00:00 | 382.00:00:00 | 1.0 | 48.00  | 2.0 | 2.29241 |
| Z | 382.00:00:00 | 383.00:00:00 | 1.0 | 50.00  | 2.0 | 2.29241 |
| Z | 383.00:00:00 | 384.00:00:00 | 1.0 | 52.00  | 2.0 | 2.29241 |
| Z | 384.00:00:00 | 385.00:00:00 | 1.0 | 54.00  | 2.0 | 2.29241 |
| Z | 385.00:00:00 | 386.00:00:00 | 1.0 | 56.00  | 2.0 | 2.73326 |
| Z | 386.00:00:00 | 387.00:00:00 | 1.0 | 58.00  | 2.0 | 2.73326 |
| Z | 387.00:00:00 | 388.00:00:00 | 1.0 | 60.00  | 2.0 | 2.73326 |
| Z | 388.00:00:00 | 389.00:00:00 | 1.0 | 62.00  | 2.0 | 2.73326 |

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| Z | 389.00:00:00 | 390.00:00:00 | 1.0 | 64.00  | 2.0 | 2.73326 |
| Z | 390.00:00:00 | 391.00:00:00 | 1.0 | 66.00  | 2.0 | 2.38058 |
| Z | 391.00:00:00 | 392.00:00:00 | 1.0 | 68.00  | 2.0 | 2.38058 |
| Z | 392.00:00:00 | 393.00:00:00 | 1.0 | 70.00  | 2.0 | 2.38058 |
| Z | 393.00:00:00 | 394.00:00:00 | 1.0 | 72.00  | 2.0 | 2.38058 |
| Z | 394.00:00:00 | 395.00:00:00 | 1.0 | 74.00  | 2.0 | 2.38058 |
| Z | 395.00:00:00 | 396.00:00:00 | 1.0 | 76.00  | 2.0 | 2.82143 |
| Z | 396.00:00:00 | 397.00:00:00 | 1.0 | 78.00  | 2.0 | 2.82143 |
| Z | 397.00:00:00 | 398.00:00:00 | 1.0 | 80.00  | 2.0 | 2.82143 |
| Z | 398.00:00:00 | 399.00:00:00 | 1.0 | 82.00  | 2.0 | 2.82143 |
| Z | 399.00:00:00 | 400.00:00:00 | 1.0 | 84.00  | 2.0 | 2.82143 |
| Z | 400.00:00:00 | 401.00:00:00 | 1.0 | 86.00  | 2.0 | 2.73326 |
| Z | 401.00:00:00 | 402.00:00:00 | 1.0 | 88.00  | 2.0 | 2.73326 |
| Z | 402.00:00:00 | 403.00:00:00 | 1.0 | 90.00  | 2.0 | 2.73326 |
| Z | 403.00:00:00 | 404.00:00:00 | 1.0 | 92.00  | 2.0 | 2.73326 |
| Z | 404.00:00:00 | 405.00:00:00 | 1.0 | 94.00  | 2.0 | 2.73326 |
| Z | 405.00:00:00 | 406.00:00:00 | 1.0 | 96.00  | 2.0 | 3.14105 |
| Z | 406.00:00:00 | 407.00:00:00 | 1.0 | 98.00  | 2.0 | 3.14105 |
| Z | 407.00:00:00 | 408.00:00:00 | 1.0 | 100.00 | 2.0 | 3.14105 |
| Z | 408.00:00:00 | 409.00:00:00 | 1.0 | 102.00 | 2.0 | 3.14105 |
| Z | 409.00:00:00 | 410.00:00:00 | 1.0 | 104.00 | 2.0 | 3.14105 |
| Z | 410.00:00:00 | 411.00:00:00 | 1.0 | 106.00 | 2.0 | 3.18513 |
| Z | 411.00:00:00 | 412.00:00:00 | 1.0 | 108.00 | 2.0 | 3.18513 |
| Z | 412.00:00:00 | 413.00:00:00 | 1.0 | 110.00 | 2.0 | 3.18513 |
| Z | 413.00:00:00 | 414.00:00:00 | 1.0 | 112.00 | 2.0 | 3.18513 |
| Z | 414.00:00:00 | 415.00:00:00 | 1.0 | 114.00 | 2.0 | 3.18513 |
| Z | 415.00:00:00 | 416.00:00:00 | 1.0 | 116.00 | 2.0 | 3.40555 |
| Z | 416.00:00:00 | 417.00:00:00 | 1.0 | 118.00 | 2.0 | 3.40555 |
| Z | 417.00:00:00 | 418.00:00:00 | 1.0 | 120.00 | 2.0 | 3.40555 |
| Z | 418.00:00:00 | 419.00:00:00 | 1.0 | 122.00 | 2.0 | 3.40555 |
| Z | 419.00:00:00 | 420.00:00:00 | 1.0 | 124.00 | 2.0 | 3.40555 |
| Z | 420.00:00:00 | 421.00:00:00 | 1.0 | 126.00 | 2.0 | 3.95662 |
| Z | 421.00:00:00 | 422.00:00:00 | 1.0 | 128.00 | 2.0 | 3.95662 |
| Z | 422.00:00:00 | 423.00:00:00 | 1.0 | 130.00 | 2.0 | 3.95662 |
| Z | 423.00:00:00 | 424.00:00:00 | 1.0 | 132.00 | 2.0 | 3.95662 |
| Z | 424.00:00:00 | 425.00:00:00 | 1.0 | 134.00 | 2.0 | 3.95662 |
| Z | 425.00:00:00 | 426.00:00:00 | 1.0 | 136.00 | 2.0 | 4.13295 |
| Z | 426.00:00:00 | 427.00:00:00 | 1.0 | 138.00 | 2.0 | 4.13295 |
| Z | 427.00:00:00 | 428.00:00:00 | 1.0 | 140.00 | 2.0 | 4.13295 |
| Z | 428.00:00:00 | 429.00:00:00 | 1.0 | 142.00 | 2.0 | 4.13295 |
| Z | 429.00:00:00 | 430.00:00:00 | 1.0 | 144.00 | 2.0 | 4.13295 |
| Z | 430.00:00:00 | 431.00:00:00 | 1.0 | 146.00 | 2.0 | 3.51577 |
| Z | 431.00:00:00 | 432.00:00:00 | 1.0 | 148.00 | 2.0 | 3.51577 |
| Z | 432.00:00:00 | 433.00:00:00 | 1.0 | 150.00 | 2.0 | 3.51577 |
| Z | 433.00:00:00 | 434.00:00:00 | 1.0 | 152.00 | 2.0 | 3.51577 |
| Z | 434.00:00:00 | 435.00:00:00 | 1.0 | 154.00 | 2.0 | 3.51577 |
| Z | 435.00:00:00 | 436.00:00:00 | 1.0 | 156.00 | 2.0 | 3.47168 |
| Z | 436.00:00:00 | 437.00:00:00 | 1.0 | 158.00 | 2.0 | 3.47168 |
| Z | 437.00:00:00 | 438.00:00:00 | 1.0 | 160.00 | 2.0 | 3.47168 |
| Z | 438.00:00:00 | 439.00:00:00 | 1.0 | 162.00 | 2.0 | 3.47168 |
| Z | 439.00:00:00 | 440.00:00:00 | 1.0 | 164.00 | 2.0 | 3.47168 |
| Z | 440.00:00:00 | 441.00:00:00 | 1.0 | 166.00 | 2.0 | 3.47168 |
| Z | 441.00:00:00 | 442.00:00:00 | 1.0 | 168.00 | 2.0 | 3.47168 |
| Z | 442.00:00:00 | 443.00:00:00 | 1.0 | 170.00 | 2.0 | 3.47168 |
| Z | 443.00:00:00 | 444.00:00:00 | 1.0 | 172.00 | 2.0 | 3.47168 |
| Z | 444.00:00:00 | 445.00:00:00 | 1.0 | 174.00 | 2.0 | 3.47168 |
| Z | 445.00:00:00 | 446.00:00:00 | 1.0 | 176.00 | 2.0 | 3.06390 |
| Z | 446.00:00:00 | 447.00:00:00 | 1.0 | 178.00 | 2.0 | 3.06390 |
| Z | 447.00:00:00 | 448.00:00:00 | 1.0 | 180.00 | 2.0 | 3.06390 |
| Z | 448.00:00:00 | 449.00:00:00 | 1.0 | 182.00 | 2.0 | 3.06390 |
| Z | 449.00:00:00 | 450.00:00:00 | 1.0 | 184.00 | 2.0 | 3.06390 |

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| Z | 450.00:00:00 | 451.00:00:00 | 1.0 | 186.00 | 2.0 | 3.21819 |
| Z | 451.00:00:00 | 452.00:00:00 | 1.0 | 188.00 | 2.0 | 3.21819 |
| Z | 452.00:00:00 | 453.00:00:00 | 1.0 | 190.00 | 2.0 | 3.21819 |
| Z | 453.00:00:00 | 454.00:00:00 | 1.0 | 192.00 | 2.0 | 3.21819 |
| Z | 454.00:00:00 | 455.00:00:00 | 1.0 | 194.00 | 2.0 | 3.21819 |
| Z | 455.00:00:00 | 456.00:00:00 | 1.0 | 196.00 | 2.0 | 2.65611 |
| Z | 456.00:00:00 | 457.00:00:00 | 1.0 | 198.00 | 2.0 | 2.65611 |
| Z | 457.00:00:00 | 458.00:00:00 | 1.0 | 200.00 | 2.0 | 2.65611 |
| Z | 458.00:00:00 | 459.00:00:00 | 1.0 | 202.00 | 2.0 | 2.65611 |
| Z | 459.00:00:00 | 460.00:00:00 | 1.0 | 204.00 | 2.0 | 2.65611 |
| Z | 460.00:00:00 | 461.00:00:00 | 1.0 | 206.00 | 2.0 | 2.51284 |
| Z | 461.00:00:00 | 462.00:00:00 | 1.0 | 208.00 | 2.0 | 2.51284 |
| Z | 462.00:00:00 | 463.00:00:00 | 1.0 | 210.00 | 2.0 | 2.51284 |
| Z | 463.00:00:00 | 464.00:00:00 | 1.0 | 212.00 | 2.0 | 2.51284 |
| Z | 464.00:00:00 | 465.00:00:00 | 1.0 | 214.00 | 2.0 | 2.51284 |
| Z | 465.00:00:00 | 466.00:00:00 | 1.0 | 216.00 | 2.0 | 2.90960 |
| Z | 466.00:00:00 | 467.00:00:00 | 1.0 | 218.00 | 2.0 | 2.90960 |
| Z | 467.00:00:00 | 468.00:00:00 | 1.0 | 220.00 | 2.0 | 2.90960 |
| Z | 468.00:00:00 | 469.00:00:00 | 1.0 | 222.00 | 2.0 | 2.90960 |
| Z | 469.00:00:00 | 470.00:00:00 | 1.0 | 224.00 | 2.0 | 2.90960 |
| Z | 470.00:00:00 | 471.00:00:00 | 1.0 | 226.00 | 2.0 | 2.33650 |
| Z | 471.00:00:00 | 472.00:00:00 | 1.0 | 228.00 | 2.0 | 2.33650 |
| Z | 472.00:00:00 | 473.00:00:00 | 1.0 | 230.00 | 2.0 | 2.33650 |
| Z | 473.00:00:00 | 474.00:00:00 | 1.0 | 232.00 | 2.0 | 2.33650 |
| Z | 474.00:00:00 | 475.00:00:00 | 1.0 | 234.00 | 2.0 | 2.33650 |
| Z | 475.00:00:00 | 476.00:00:00 | 1.0 | 236.00 | 2.0 | 2.55692 |
| Z | 476.00:00:00 | 477.00:00:00 | 1.0 | 238.00 | 2.0 | 2.55692 |
| Z | 477.00:00:00 | 478.00:00:00 | 1.0 | 240.00 | 2.0 | 2.55692 |
| Z | 478.00:00:00 | 479.00:00:00 | 1.0 | 242.00 | 2.0 | 2.55692 |
| Z | 479.00:00:00 | 480.00:00:00 | 1.0 | 244.00 | 2.0 | 2.55692 |
| Z | 480.00:00:00 | 481.00:00:00 | 1.0 | 246.00 | 2.0 | 2.61203 |
| Z | 481.00:00:00 | 482.00:00:00 | 1.0 | 248.00 | 2.0 | 2.61203 |
| Z | 482.00:00:00 | 483.00:00:00 | 1.0 | 250.00 | 2.0 | 2.61203 |
| Z | 483.00:00:00 | 484.00:00:00 | 1.0 | 252.00 | 2.0 | 2.61203 |
| Z | 484.00:00:00 | 485.00:00:00 | 1.0 | 254.00 | 2.0 | 2.61203 |
| Z | 485.00:00:00 | 486.00:00:00 | 1.0 | 256.00 | 2.0 | 2.49079 |
| Z | 486.00:00:00 | 487.00:00:00 | 1.0 | 258.00 | 2.0 | 2.49079 |
| Z | 487.00:00:00 | 488.00:00:00 | 1.0 | 260.00 | 2.0 | 2.49079 |
| Z | 488.00:00:00 | 489.00:00:00 | 1.0 | 262.00 | 2.0 | 2.49079 |
| Z | 489.00:00:00 | 490.00:00:00 | 1.0 | 264.00 | 2.0 | 2.49079 |
| Z | 490.00:00:00 | 491.00:00:00 | 1.0 | 266.00 | 2.0 | 2.55692 |
| Z | 491.00:00:00 | 492.00:00:00 | 1.0 | 268.00 | 2.0 | 2.55692 |
| Z | 492.00:00:00 | 493.00:00:00 | 1.0 | 270.00 | 2.0 | 2.55692 |
| Z | 493.00:00:00 | 494.00:00:00 | 1.0 | 272.00 | 2.0 | 2.55692 |
| Z | 494.00:00:00 | 495.00:00:00 | 1.0 | 274.00 | 2.0 | 2.55692 |
| Z | 495.00:00:00 | 496.00:00:00 | 1.0 | 276.00 | 2.0 | 2.71122 |
| Z | 496.00:00:00 | 497.00:00:00 | 1.0 | 278.00 | 2.0 | 2.71122 |
| Z | 497.00:00:00 | 498.00:00:00 | 1.0 | 280.00 | 2.0 | 2.71122 |
| Z | 498.00:00:00 | 499.00:00:00 | 1.0 | 282.00 | 2.0 | 2.71122 |
| Z | 499.00:00:00 | 500.00:00:00 | 1.0 | 284.00 | 2.0 | 2.71122 |
| Z | 500.00:00:00 | 501.00:00:00 | 1.0 | 286.00 | 2.0 | 2.47977 |
| Z | 501.00:00:00 | 502.00:00:00 | 1.0 | 288.00 | 2.0 | 2.47977 |
| Z | 502.00:00:00 | 503.00:00:00 | 1.0 | 290.00 | 2.0 | 2.47977 |
| Z | 503.00:00:00 | 504.00:00:00 | 1.0 | 292.00 | 2.0 | 2.47977 |
| Z | 504.00:00:00 | 505.00:00:00 | 1.0 | 294.00 | 2.0 | 2.47977 |
| Z | 505.00:00:00 | 506.00:00:00 | 1.0 | 296.00 | 2.0 | 2.60101 |
| Z | 506.00:00:00 | 507.00:00:00 | 1.0 | 298.00 | 2.0 | 2.60101 |
| Z | 507.00:00:00 | 508.00:00:00 | 1.0 | 300.00 | 2.0 | 2.60101 |
| Z | 508.00:00:00 | 509.00:00:00 | 1.0 | 302.00 | 2.0 | 2.60101 |
| Z | 509.00:00:00 | 510.00:00:00 | 1.0 | 304.00 | 2.0 | 2.60101 |
| Z | 510.00:00:00 | 511.00:00:00 | 1.0 | 306.00 | 2.0 | 2.75530 |

|   |              |              |     |        |     |         |
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| Z | 511.00:00:00 | 512.00:00:00 | 1.0 | 308.00 | 2.0 | 2.75530 |
| Z | 512.00:00:00 | 513.00:00:00 | 1.0 | 310.00 | 2.0 | 2.75530 |
| Z | 513.00:00:00 | 514.00:00:00 | 1.0 | 312.00 | 2.0 | 2.75530 |
| Z | 514.00:00:00 | 515.00:00:00 | 1.0 | 314.00 | 2.0 | 2.75530 |
| Z | 515.00:00:00 | 516.00:00:00 | 1.0 | 316.00 | 2.0 | 2.33650 |
| Z | 516.00:00:00 | 517.00:00:00 | 1.0 | 318.00 | 2.0 | 2.33650 |
| Z | 517.00:00:00 | 518.00:00:00 | 1.0 | 320.00 | 2.0 | 2.33650 |
| Z | 518.00:00:00 | 519.00:00:00 | 1.0 | 322.00 | 2.0 | 2.33650 |
| Z | 519.00:00:00 | 520.00:00:00 | 1.0 | 324.00 | 2.0 | 2.33650 |
| Z | 520.00:00:00 | 521.00:00:00 | 1.0 | 326.00 | 2.0 | 2.13812 |
| Z | 521.00:00:00 | 522.00:00:00 | 1.0 | 328.00 | 2.0 | 2.13812 |
| Z | 522.00:00:00 | 523.00:00:00 | 1.0 | 330.00 | 2.0 | 2.13812 |
| Z | 523.00:00:00 | 524.00:00:00 | 1.0 | 332.00 | 2.0 | 2.13812 |
| Z | 524.00:00:00 | 525.00:00:00 | 1.0 | 334.00 | 2.0 | 2.13812 |
| Z | 525.00:00:00 | 526.00:00:00 | 1.0 | 336.00 | 2.0 | 2.22628 |
| Z | 526.00:00:00 | 527.00:00:00 | 1.0 | 338.00 | 2.0 | 2.22628 |
| Z | 527.00:00:00 | 528.00:00:00 | 1.0 | 340.00 | 2.0 | 2.22628 |
| Z | 528.00:00:00 | 529.00:00:00 | 1.0 | 342.00 | 2.0 | 2.22628 |
| Z | 529.00:00:00 | 530.00:00:00 | 1.0 | 344.00 | 2.0 | 2.22628 |
| Z | 530.00:00:00 | 531.00:00:00 | 1.0 | 346.00 | 2.0 | 1.85156 |
| Z | 531.00:00:00 | 532.00:00:00 | 1.0 | 348.00 | 2.0 | 1.85156 |
| Z | 532.00:00:00 | 533.00:00:00 | 1.0 | 350.00 | 2.0 | 1.85156 |
| Z | 533.00:00:00 | 534.00:00:00 | 1.0 | 352.00 | 2.0 | 1.85156 |
| Z | 534.00:00:00 | 535.00:00:00 | 1.0 | 354.00 | 2.0 | 1.85156 |
| Z | 535.00:00:00 | 536.00:00:00 | 1.0 | 356.00 | 2.0 | 1.92871 |
| Z | 536.00:00:00 | 537.00:00:00 | 1.0 | 358.00 | 2.0 | 1.92871 |
| Z | 537.00:00:00 | 538.00:00:00 | 1.0 | 360.00 | 2.0 | 1.92871 |
| Z | 538.00:00:00 | 539.00:00:00 | 1.0 | 362.00 | 2.0 | 1.92871 |
| Z | 539.00:00:00 | 540.00:00:00 | 1.0 | 364.00 | 2.0 | 1.92871 |
| Z | 540.00:00:00 | 541.00:00:00 | 1.5 | 6.00   | 2.0 | 1.24540 |
| Z | 541.00:00:00 | 542.00:00:00 | 1.5 | 8.00   | 2.0 | 1.24540 |
| Z | 542.00:00:00 | 543.00:00:00 | 1.5 | 10.00  | 2.0 | 1.24540 |
| Z | 543.00:00:00 | 544.00:00:00 | 1.5 | 12.00  | 2.0 | 1.24540 |
| Z | 544.00:00:00 | 545.00:00:00 | 1.5 | 14.00  | 2.0 | 1.24540 |
| Z | 545.00:00:00 | 546.00:00:00 | 1.5 | 16.00  | 2.0 | 1.31152 |
| Z | 546.00:00:00 | 547.00:00:00 | 1.5 | 18.00  | 2.0 | 1.31152 |
| Z | 547.00:00:00 | 548.00:00:00 | 1.5 | 20.00  | 2.0 | 1.31152 |
| Z | 548.00:00:00 | 549.00:00:00 | 1.5 | 22.00  | 2.0 | 1.31152 |
| Z | 549.00:00:00 | 550.00:00:00 | 1.5 | 24.00  | 2.0 | 1.31152 |
| Z | 550.00:00:00 | 551.00:00:00 | 1.5 | 26.00  | 2.0 | 1.28948 |
| Z | 551.00:00:00 | 552.00:00:00 | 1.5 | 28.00  | 2.0 | 1.28948 |
| Z | 552.00:00:00 | 553.00:00:00 | 1.5 | 30.00  | 2.0 | 1.28948 |
| Z | 553.00:00:00 | 554.00:00:00 | 1.5 | 32.00  | 2.0 | 1.28948 |
| Z | 554.00:00:00 | 555.00:00:00 | 1.5 | 34.00  | 2.0 | 1.28948 |
| Z | 555.00:00:00 | 556.00:00:00 | 1.5 | 36.00  | 2.0 | 1.87361 |
| Z | 556.00:00:00 | 557.00:00:00 | 1.5 | 38.00  | 2.0 | 1.87361 |
| Z | 557.00:00:00 | 558.00:00:00 | 1.5 | 40.00  | 2.0 | 1.87361 |
| Z | 558.00:00:00 | 559.00:00:00 | 1.5 | 42.00  | 2.0 | 1.87361 |
| Z | 559.00:00:00 | 560.00:00:00 | 1.5 | 44.00  | 2.0 | 1.87361 |
| Z | 560.00:00:00 | 561.00:00:00 | 1.5 | 46.00  | 2.0 | 1.66420 |
| Z | 561.00:00:00 | 562.00:00:00 | 1.5 | 48.00  | 2.0 | 1.66420 |
| Z | 562.00:00:00 | 563.00:00:00 | 1.5 | 50.00  | 2.0 | 1.66420 |
| Z | 563.00:00:00 | 564.00:00:00 | 1.5 | 52.00  | 2.0 | 1.66420 |
| Z | 564.00:00:00 | 565.00:00:00 | 1.5 | 54.00  | 2.0 | 1.66420 |
| Z | 565.00:00:00 | 566.00:00:00 | 1.5 | 56.00  | 2.0 | 2.17118 |
| Z | 566.00:00:00 | 567.00:00:00 | 1.5 | 58.00  | 2.0 | 2.17118 |
| Z | 567.00:00:00 | 568.00:00:00 | 1.5 | 60.00  | 2.0 | 2.17118 |
| Z | 568.00:00:00 | 569.00:00:00 | 1.5 | 62.00  | 2.0 | 2.17118 |
| Z | 569.00:00:00 | 570.00:00:00 | 1.5 | 64.00  | 2.0 | 2.17118 |
| Z | 570.00:00:00 | 571.00:00:00 | 1.5 | 66.00  | 2.0 | 2.17118 |
| Z | 571.00:00:00 | 572.00:00:00 | 1.5 | 68.00  | 2.0 | 2.17118 |

|   |              |              |     |        |     |         |
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| Z | 572.00:00:00 | 573.00:00:00 | 1.5 | 70.00  | 2.0 | 2.17118 |
| Z | 573.00:00:00 | 574.00:00:00 | 1.5 | 72.00  | 2.0 | 2.17118 |
| Z | 574.00:00:00 | 575.00:00:00 | 1.5 | 74.00  | 2.0 | 2.17118 |
| Z | 575.00:00:00 | 576.00:00:00 | 1.5 | 76.00  | 2.0 | 2.01688 |
| Z | 576.00:00:00 | 577.00:00:00 | 1.5 | 78.00  | 2.0 | 2.01688 |
| Z | 577.00:00:00 | 578.00:00:00 | 1.5 | 80.00  | 2.0 | 2.01688 |
| Z | 578.00:00:00 | 579.00:00:00 | 1.5 | 82.00  | 2.0 | 2.01688 |
| Z | 579.00:00:00 | 580.00:00:00 | 1.5 | 84.00  | 2.0 | 2.01688 |
| Z | 580.00:00:00 | 581.00:00:00 | 1.5 | 86.00  | 2.0 | 2.06097 |
| Z | 581.00:00:00 | 582.00:00:00 | 1.5 | 88.00  | 2.0 | 2.06097 |
| Z | 582.00:00:00 | 583.00:00:00 | 1.5 | 90.00  | 2.0 | 2.06097 |
| Z | 583.00:00:00 | 584.00:00:00 | 1.5 | 92.00  | 2.0 | 2.06097 |
| Z | 584.00:00:00 | 585.00:00:00 | 1.5 | 94.00  | 2.0 | 2.06097 |
| Z | 585.00:00:00 | 586.00:00:00 | 1.5 | 96.00  | 2.0 | 1.73033 |
| Z | 586.00:00:00 | 587.00:00:00 | 1.5 | 98.00  | 2.0 | 1.73033 |
| Z | 587.00:00:00 | 588.00:00:00 | 1.5 | 100.00 | 2.0 | 1.73033 |
| Z | 588.00:00:00 | 589.00:00:00 | 1.5 | 102.00 | 2.0 | 1.73033 |
| Z | 589.00:00:00 | 590.00:00:00 | 1.5 | 104.00 | 2.0 | 1.73033 |
| Z | 590.00:00:00 | 591.00:00:00 | 1.5 | 106.00 | 2.0 | 2.42467 |
| Z | 591.00:00:00 | 592.00:00:00 | 1.5 | 108.00 | 2.0 | 2.42467 |
| Z | 592.00:00:00 | 593.00:00:00 | 1.5 | 110.00 | 2.0 | 2.42467 |
| Z | 593.00:00:00 | 594.00:00:00 | 1.5 | 112.00 | 2.0 | 2.42467 |
| Z | 594.00:00:00 | 595.00:00:00 | 1.5 | 114.00 | 2.0 | 2.42467 |
| Z | 595.00:00:00 | 596.00:00:00 | 1.5 | 116.00 | 2.0 | 2.52386 |
| Z | 596.00:00:00 | 597.00:00:00 | 1.5 | 118.00 | 2.0 | 2.52386 |
| Z | 597.00:00:00 | 598.00:00:00 | 1.5 | 120.00 | 2.0 | 2.52386 |
| Z | 598.00:00:00 | 599.00:00:00 | 1.5 | 122.00 | 2.0 | 2.52386 |
| Z | 599.00:00:00 | 600.00:00:00 | 1.5 | 124.00 | 2.0 | 2.52386 |
| Z | 600.00:00:00 | 601.00:00:00 | 1.5 | 126.00 | 2.0 | 2.89858 |
| Z | 601.00:00:00 | 602.00:00:00 | 1.5 | 128.00 | 2.0 | 2.89858 |
| Z | 602.00:00:00 | 603.00:00:00 | 1.5 | 130.00 | 2.0 | 2.89858 |
| Z | 603.00:00:00 | 604.00:00:00 | 1.5 | 132.00 | 2.0 | 2.89858 |
| Z | 604.00:00:00 | 605.00:00:00 | 1.5 | 134.00 | 2.0 | 2.89858 |
| Z | 605.00:00:00 | 606.00:00:00 | 1.5 | 136.00 | 2.0 | 3.31739 |
| Z | 606.00:00:00 | 607.00:00:00 | 1.5 | 138.00 | 2.0 | 3.31739 |
| Z | 607.00:00:00 | 608.00:00:00 | 1.5 | 140.00 | 2.0 | 3.31739 |
| Z | 608.00:00:00 | 609.00:00:00 | 1.5 | 142.00 | 2.0 | 3.31739 |
| Z | 609.00:00:00 | 610.00:00:00 | 1.5 | 144.00 | 2.0 | 3.31739 |
| Z | 610.00:00:00 | 611.00:00:00 | 1.5 | 146.00 | 2.0 | 2.89858 |
| Z | 611.00:00:00 | 612.00:00:00 | 1.5 | 148.00 | 2.0 | 2.89858 |
| Z | 612.00:00:00 | 613.00:00:00 | 1.5 | 150.00 | 2.0 | 2.89858 |
| Z | 613.00:00:00 | 614.00:00:00 | 1.5 | 152.00 | 2.0 | 2.89858 |
| Z | 614.00:00:00 | 615.00:00:00 | 1.5 | 154.00 | 2.0 | 2.89858 |
| Z | 615.00:00:00 | 616.00:00:00 | 1.5 | 156.00 | 2.0 | 2.55692 |
| Z | 616.00:00:00 | 617.00:00:00 | 1.5 | 158.00 | 2.0 | 2.55692 |
| Z | 617.00:00:00 | 618.00:00:00 | 1.5 | 160.00 | 2.0 | 2.55692 |
| Z | 618.00:00:00 | 619.00:00:00 | 1.5 | 162.00 | 2.0 | 2.55692 |
| Z | 619.00:00:00 | 620.00:00:00 | 1.5 | 164.00 | 2.0 | 2.55692 |
| Z | 620.00:00:00 | 621.00:00:00 | 1.5 | 166.00 | 2.0 | 2.16016 |
| Z | 621.00:00:00 | 622.00:00:00 | 1.5 | 168.00 | 2.0 | 2.16016 |
| Z | 622.00:00:00 | 623.00:00:00 | 1.5 | 170.00 | 2.0 | 2.16016 |
| Z | 623.00:00:00 | 624.00:00:00 | 1.5 | 172.00 | 2.0 | 2.16016 |
| Z | 624.00:00:00 | 625.00:00:00 | 1.5 | 174.00 | 2.0 | 2.16016 |
| Z | 625.00:00:00 | 626.00:00:00 | 1.5 | 176.00 | 2.0 | 2.16016 |
| Z | 626.00:00:00 | 627.00:00:00 | 1.5 | 178.00 | 2.0 | 2.16016 |
| Z | 627.00:00:00 | 628.00:00:00 | 1.5 | 180.00 | 2.0 | 2.16016 |
| Z | 628.00:00:00 | 629.00:00:00 | 1.5 | 182.00 | 2.0 | 2.16016 |
| Z | 629.00:00:00 | 630.00:00:00 | 1.5 | 184.00 | 2.0 | 2.16016 |
| Z | 630.00:00:00 | 631.00:00:00 | 1.5 | 186.00 | 2.0 | 2.06097 |
| Z | 631.00:00:00 | 632.00:00:00 | 1.5 | 188.00 | 2.0 | 2.06097 |
| Z | 632.00:00:00 | 633.00:00:00 | 1.5 | 190.00 | 2.0 | 2.06097 |

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| Z | 633.00:00:00 | 634.00:00:00 | 1.5 | 192.00 | 2.0 | 2.06097 |
| Z | 634.00:00:00 | 635.00:00:00 | 1.5 | 194.00 | 2.0 | 2.06097 |
| Z | 635.00:00:00 | 636.00:00:00 | 1.5 | 196.00 | 2.0 | 1.60910 |
| Z | 636.00:00:00 | 637.00:00:00 | 1.5 | 198.00 | 2.0 | 1.60910 |
| Z | 637.00:00:00 | 638.00:00:00 | 1.5 | 200.00 | 2.0 | 1.60910 |
| Z | 638.00:00:00 | 639.00:00:00 | 1.5 | 202.00 | 2.0 | 1.60910 |
| Z | 639.00:00:00 | 640.00:00:00 | 1.5 | 204.00 | 2.0 | 1.60910 |
| Z | 640.00:00:00 | 641.00:00:00 | 1.5 | 206.00 | 2.0 | 2.02790 |
| Z | 641.00:00:00 | 642.00:00:00 | 1.5 | 208.00 | 2.0 | 2.02790 |
| Z | 642.00:00:00 | 643.00:00:00 | 1.5 | 210.00 | 2.0 | 2.02790 |
| Z | 643.00:00:00 | 644.00:00:00 | 1.5 | 212.00 | 2.0 | 2.02790 |
| Z | 644.00:00:00 | 645.00:00:00 | 1.5 | 214.00 | 2.0 | 2.02790 |
| Z | 645.00:00:00 | 646.00:00:00 | 1.5 | 216.00 | 2.0 | 1.54297 |
| Z | 646.00:00:00 | 647.00:00:00 | 1.5 | 218.00 | 2.0 | 1.54297 |
| Z | 647.00:00:00 | 648.00:00:00 | 1.5 | 220.00 | 2.0 | 1.54297 |
| Z | 648.00:00:00 | 649.00:00:00 | 1.5 | 222.00 | 2.0 | 1.54297 |
| Z | 649.00:00:00 | 650.00:00:00 | 1.5 | 224.00 | 2.0 | 1.54297 |
| Z | 650.00:00:00 | 651.00:00:00 | 1.5 | 226.00 | 2.0 | 1.84054 |
| Z | 651.00:00:00 | 652.00:00:00 | 1.5 | 228.00 | 2.0 | 1.84054 |
| Z | 652.00:00:00 | 653.00:00:00 | 1.5 | 230.00 | 2.0 | 1.84054 |
| Z | 653.00:00:00 | 654.00:00:00 | 1.5 | 232.00 | 2.0 | 1.84054 |
| Z | 654.00:00:00 | 655.00:00:00 | 1.5 | 234.00 | 2.0 | 1.84054 |
| Z | 655.00:00:00 | 656.00:00:00 | 1.5 | 236.00 | 2.0 | 1.34459 |
| Z | 656.00:00:00 | 657.00:00:00 | 1.5 | 238.00 | 2.0 | 1.34459 |
| Z | 657.00:00:00 | 658.00:00:00 | 1.5 | 240.00 | 2.0 | 1.34459 |
| Z | 658.00:00:00 | 659.00:00:00 | 1.5 | 242.00 | 2.0 | 1.34459 |
| Z | 659.00:00:00 | 660.00:00:00 | 1.5 | 244.00 | 2.0 | 1.34459 |
| Z | 660.00:00:00 | 661.00:00:00 | 1.5 | 246.00 | 2.0 | 1.41072 |
| Z | 661.00:00:00 | 662.00:00:00 | 1.5 | 248.00 | 2.0 | 1.41072 |
| Z | 662.00:00:00 | 663.00:00:00 | 1.5 | 250.00 | 2.0 | 1.41072 |
| Z | 663.00:00:00 | 664.00:00:00 | 1.5 | 252.00 | 2.0 | 1.41072 |
| Z | 664.00:00:00 | 665.00:00:00 | 1.5 | 254.00 | 2.0 | 1.41072 |
| Z | 665.00:00:00 | 666.00:00:00 | 1.5 | 256.00 | 2.0 | 1.75237 |
| Z | 666.00:00:00 | 667.00:00:00 | 1.5 | 258.00 | 2.0 | 1.75237 |
| Z | 667.00:00:00 | 668.00:00:00 | 1.5 | 260.00 | 2.0 | 1.75237 |
| Z | 668.00:00:00 | 669.00:00:00 | 1.5 | 262.00 | 2.0 | 1.75237 |
| Z | 669.00:00:00 | 670.00:00:00 | 1.5 | 264.00 | 2.0 | 1.75237 |
| Z | 670.00:00:00 | 671.00:00:00 | 1.5 | 266.00 | 2.0 | 1.84054 |
| Z | 671.00:00:00 | 672.00:00:00 | 1.5 | 268.00 | 2.0 | 1.84054 |
| Z | 672.00:00:00 | 673.00:00:00 | 1.5 | 270.00 | 2.0 | 1.84054 |
| Z | 673.00:00:00 | 674.00:00:00 | 1.5 | 272.00 | 2.0 | 1.84054 |
| Z | 674.00:00:00 | 675.00:00:00 | 1.5 | 274.00 | 2.0 | 1.84054 |
| Z | 675.00:00:00 | 676.00:00:00 | 1.5 | 276.00 | 2.0 | 2.16016 |
| Z | 676.00:00:00 | 677.00:00:00 | 1.5 | 278.00 | 2.0 | 2.16016 |
| Z | 677.00:00:00 | 678.00:00:00 | 1.5 | 280.00 | 2.0 | 2.16016 |
| Z | 678.00:00:00 | 679.00:00:00 | 1.5 | 282.00 | 2.0 | 2.16016 |
| Z | 679.00:00:00 | 680.00:00:00 | 1.5 | 284.00 | 2.0 | 2.16016 |
| Z | 680.00:00:00 | 681.00:00:00 | 1.5 | 286.00 | 2.0 | 3.01981 |
| Z | 681.00:00:00 | 682.00:00:00 | 1.5 | 288.00 | 2.0 | 3.01981 |
| Z | 682.00:00:00 | 683.00:00:00 | 1.5 | 290.00 | 2.0 | 3.01981 |
| Z | 683.00:00:00 | 684.00:00:00 | 1.5 | 292.00 | 2.0 | 3.01981 |
| Z | 684.00:00:00 | 685.00:00:00 | 1.5 | 294.00 | 2.0 | 3.01981 |
| Z | 685.00:00:00 | 686.00:00:00 | 1.5 | 296.00 | 2.0 | 3.07492 |
| Z | 686.00:00:00 | 687.00:00:00 | 1.5 | 298.00 | 2.0 | 3.07492 |
| Z | 687.00:00:00 | 688.00:00:00 | 1.5 | 300.00 | 2.0 | 3.07492 |
| Z | 688.00:00:00 | 689.00:00:00 | 1.5 | 302.00 | 2.0 | 3.07492 |
| Z | 689.00:00:00 | 690.00:00:00 | 1.5 | 304.00 | 2.0 | 3.07492 |
| Z | 690.00:00:00 | 691.00:00:00 | 1.5 | 306.00 | 2.0 | 2.85449 |
| Z | 691.00:00:00 | 692.00:00:00 | 1.5 | 308.00 | 2.0 | 2.85449 |
| Z | 692.00:00:00 | 693.00:00:00 | 1.5 | 310.00 | 2.0 | 2.85449 |
| Z | 693.00:00:00 | 694.00:00:00 | 1.5 | 312.00 | 2.0 | 2.85449 |

|   |              |              |     |        |     |         |
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| Z | 694.00:00:00 | 695.00:00:00 | 1.5 | 314.00 | 2.0 | 2.85449 |
| Z | 695.00:00:00 | 696.00:00:00 | 1.5 | 316.00 | 2.0 | 2.24833 |
| Z | 696.00:00:00 | 697.00:00:00 | 1.5 | 318.00 | 2.0 | 2.24833 |
| Z | 697.00:00:00 | 698.00:00:00 | 1.5 | 320.00 | 2.0 | 2.24833 |
| Z | 698.00:00:00 | 699.00:00:00 | 1.5 | 322.00 | 2.0 | 2.24833 |
| Z | 699.00:00:00 | 700.00:00:00 | 1.5 | 324.00 | 2.0 | 2.24833 |
| Z | 700.00:00:00 | 701.00:00:00 | 1.5 | 326.00 | 2.0 | 1.69727 |
| Z | 701.00:00:00 | 702.00:00:00 | 1.5 | 328.00 | 2.0 | 1.69727 |
| Z | 702.00:00:00 | 703.00:00:00 | 1.5 | 330.00 | 2.0 | 1.69727 |
| Z | 703.00:00:00 | 704.00:00:00 | 1.5 | 332.00 | 2.0 | 1.69727 |
| Z | 704.00:00:00 | 705.00:00:00 | 1.5 | 334.00 | 2.0 | 1.69727 |
| Z | 705.00:00:00 | 706.00:00:00 | 1.5 | 336.00 | 2.0 | 1.32255 |
| Z | 706.00:00:00 | 707.00:00:00 | 1.5 | 338.00 | 2.0 | 1.32255 |
| Z | 707.00:00:00 | 708.00:00:00 | 1.5 | 340.00 | 2.0 | 1.32255 |
| Z | 708.00:00:00 | 709.00:00:00 | 1.5 | 342.00 | 2.0 | 1.32255 |
| Z | 709.00:00:00 | 710.00:00:00 | 1.5 | 344.00 | 2.0 | 1.32255 |
| Z | 710.00:00:00 | 711.00:00:00 | 1.5 | 346.00 | 2.0 | 1.42174 |
| Z | 711.00:00:00 | 712.00:00:00 | 1.5 | 348.00 | 2.0 | 1.42174 |
| Z | 712.00:00:00 | 713.00:00:00 | 1.5 | 350.00 | 2.0 | 1.42174 |
| Z | 713.00:00:00 | 714.00:00:00 | 1.5 | 352.00 | 2.0 | 1.42174 |
| Z | 714.00:00:00 | 715.00:00:00 | 1.5 | 354.00 | 2.0 | 1.42174 |
| Z | 715.00:00:00 | 716.00:00:00 | 1.5 | 356.00 | 2.0 | 1.43276 |
| Z | 716.00:00:00 | 717.00:00:00 | 1.5 | 358.00 | 2.0 | 1.43276 |
| Z | 717.00:00:00 | 718.00:00:00 | 1.5 | 360.00 | 2.0 | 1.43276 |
| Z | 718.00:00:00 | 719.00:00:00 | 1.5 | 362.00 | 2.0 | 1.43276 |
| Z | 719.00:00:00 | 720.00:00:00 | 1.5 | 364.00 | 2.0 | 1.43276 |
| Z | 720.00:00:00 | 721.00:00:00 | 2.0 | 6.00   | 2.0 | 0.98089 |
| Z | 721.00:00:00 | 722.00:00:00 | 2.0 | 8.00   | 2.0 | 0.98089 |
| Z | 722.00:00:00 | 723.00:00:00 | 2.0 | 10.00  | 2.0 | 0.98089 |
| Z | 723.00:00:00 | 724.00:00:00 | 2.0 | 12.00  | 2.0 | 0.98089 |
| Z | 724.00:00:00 | 725.00:00:00 | 2.0 | 14.00  | 2.0 | 0.98089 |
| Z | 725.00:00:00 | 726.00:00:00 | 2.0 | 16.00  | 2.0 | 0.80455 |
| Z | 726.00:00:00 | 727.00:00:00 | 2.0 | 18.00  | 2.0 | 0.80455 |
| Z | 727.00:00:00 | 728.00:00:00 | 2.0 | 20.00  | 2.0 | 0.80455 |
| Z | 728.00:00:00 | 729.00:00:00 | 2.0 | 22.00  | 2.0 | 0.80455 |
| Z | 729.00:00:00 | 730.00:00:00 | 2.0 | 24.00  | 2.0 | 0.80455 |
| Z | 730.00:00:00 | 731.00:00:00 | 2.0 | 26.00  | 2.0 | 1.04702 |
| Z | 731.00:00:00 | 732.00:00:00 | 2.0 | 28.00  | 2.0 | 1.04702 |
| Z | 732.00:00:00 | 733.00:00:00 | 2.0 | 30.00  | 2.0 | 1.04702 |
| Z | 733.00:00:00 | 734.00:00:00 | 2.0 | 32.00  | 2.0 | 1.04702 |
| Z | 734.00:00:00 | 735.00:00:00 | 2.0 | 34.00  | 2.0 | 1.04702 |
| Z | 735.00:00:00 | 736.00:00:00 | 2.0 | 36.00  | 2.0 | 1.60910 |
| Z | 736.00:00:00 | 737.00:00:00 | 2.0 | 38.00  | 2.0 | 1.60910 |
| Z | 737.00:00:00 | 738.00:00:00 | 2.0 | 40.00  | 2.0 | 1.60910 |
| Z | 738.00:00:00 | 739.00:00:00 | 2.0 | 42.00  | 2.0 | 1.60910 |
| Z | 739.00:00:00 | 740.00:00:00 | 2.0 | 44.00  | 2.0 | 1.60910 |
| Z | 740.00:00:00 | 741.00:00:00 | 2.0 | 46.00  | 2.0 | 1.71931 |
| Z | 741.00:00:00 | 742.00:00:00 | 2.0 | 48.00  | 2.0 | 1.71931 |
| Z | 742.00:00:00 | 743.00:00:00 | 2.0 | 50.00  | 2.0 | 1.71931 |
| Z | 743.00:00:00 | 744.00:00:00 | 2.0 | 52.00  | 2.0 | 1.71931 |
| Z | 744.00:00:00 | 745.00:00:00 | 2.0 | 54.00  | 2.0 | 1.71931 |
| Z | 745.00:00:00 | 746.00:00:00 | 2.0 | 56.00  | 2.0 | 1.96178 |
| Z | 746.00:00:00 | 747.00:00:00 | 2.0 | 58.00  | 2.0 | 1.96178 |
| Z | 747.00:00:00 | 748.00:00:00 | 2.0 | 60.00  | 2.0 | 1.96178 |
| Z | 748.00:00:00 | 749.00:00:00 | 2.0 | 62.00  | 2.0 | 1.96178 |
| Z | 749.00:00:00 | 750.00:00:00 | 2.0 | 64.00  | 2.0 | 1.96178 |
| Z | 750.00:00:00 | 751.00:00:00 | 2.0 | 66.00  | 2.0 | 1.86259 |
| Z | 751.00:00:00 | 752.00:00:00 | 2.0 | 68.00  | 2.0 | 1.86259 |
| Z | 752.00:00:00 | 753.00:00:00 | 2.0 | 70.00  | 2.0 | 1.86259 |
| Z | 753.00:00:00 | 754.00:00:00 | 2.0 | 72.00  | 2.0 | 1.86259 |
| Z | 754.00:00:00 | 755.00:00:00 | 2.0 | 74.00  | 2.0 | 1.86259 |

|   |              |              |     |        |     |         |
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| Z | 755.00:00:00 | 756.00:00:00 | 2.0 | 76.00  | 2.0 | 1.58705 |
| Z | 756.00:00:00 | 757.00:00:00 | 2.0 | 78.00  | 2.0 | 1.58705 |
| Z | 757.00:00:00 | 758.00:00:00 | 2.0 | 80.00  | 2.0 | 1.58705 |
| Z | 758.00:00:00 | 759.00:00:00 | 2.0 | 82.00  | 2.0 | 1.58705 |
| Z | 759.00:00:00 | 760.00:00:00 | 2.0 | 84.00  | 2.0 | 1.58705 |
| Z | 760.00:00:00 | 761.00:00:00 | 2.0 | 86.00  | 2.0 | 1.06906 |
| Z | 761.00:00:00 | 762.00:00:00 | 2.0 | 88.00  | 2.0 | 1.06906 |
| Z | 762.00:00:00 | 763.00:00:00 | 2.0 | 90.00  | 2.0 | 1.06906 |
| Z | 763.00:00:00 | 764.00:00:00 | 2.0 | 92.00  | 2.0 | 1.06906 |
| Z | 764.00:00:00 | 765.00:00:00 | 2.0 | 94.00  | 2.0 | 1.06906 |
| Z | 765.00:00:00 | 766.00:00:00 | 2.0 | 96.00  | 2.0 | 0.91476 |
| Z | 766.00:00:00 | 767.00:00:00 | 2.0 | 98.00  | 2.0 | 0.91476 |
| Z | 767.00:00:00 | 768.00:00:00 | 2.0 | 100.00 | 2.0 | 0.91476 |
| Z | 768.00:00:00 | 769.00:00:00 | 2.0 | 102.00 | 2.0 | 0.91476 |
| Z | 769.00:00:00 | 770.00:00:00 | 2.0 | 104.00 | 2.0 | 0.91476 |
| Z | 770.00:00:00 | 771.00:00:00 | 2.0 | 106.00 | 2.0 | 0.99191 |
| Z | 771.00:00:00 | 772.00:00:00 | 2.0 | 108.00 | 2.0 | 0.99191 |
| Z | 772.00:00:00 | 773.00:00:00 | 2.0 | 110.00 | 2.0 | 0.99191 |
| Z | 773.00:00:00 | 774.00:00:00 | 2.0 | 112.00 | 2.0 | 0.99191 |
| Z | 774.00:00:00 | 775.00:00:00 | 2.0 | 114.00 | 2.0 | 0.99191 |
| Z | 775.00:00:00 | 776.00:00:00 | 2.0 | 116.00 | 2.0 | 0.88170 |
| Z | 776.00:00:00 | 777.00:00:00 | 2.0 | 118.00 | 2.0 | 0.88170 |
| Z | 777.00:00:00 | 778.00:00:00 | 2.0 | 120.00 | 2.0 | 0.88170 |
| Z | 778.00:00:00 | 779.00:00:00 | 2.0 | 122.00 | 2.0 | 0.88170 |
| Z | 779.00:00:00 | 780.00:00:00 | 2.0 | 124.00 | 2.0 | 0.88170 |
| Z | 780.00:00:00 | 781.00:00:00 | 2.0 | 126.00 | 2.0 | 0.69434 |
| Z | 781.00:00:00 | 782.00:00:00 | 2.0 | 128.00 | 2.0 | 0.69434 |
| Z | 782.00:00:00 | 783.00:00:00 | 2.0 | 130.00 | 2.0 | 0.69434 |
| Z | 783.00:00:00 | 784.00:00:00 | 2.0 | 132.00 | 2.0 | 0.69434 |
| Z | 784.00:00:00 | 785.00:00:00 | 2.0 | 134.00 | 2.0 | 0.69434 |
| Z | 785.00:00:00 | 786.00:00:00 | 2.0 | 136.00 | 2.0 | 0.51800 |
| Z | 786.00:00:00 | 787.00:00:00 | 2.0 | 138.00 | 2.0 | 0.51800 |
| Z | 787.00:00:00 | 788.00:00:00 | 2.0 | 140.00 | 2.0 | 0.51800 |
| Z | 788.00:00:00 | 789.00:00:00 | 2.0 | 142.00 | 2.0 | 0.51800 |
| Z | 789.00:00:00 | 790.00:00:00 | 2.0 | 144.00 | 2.0 | 0.51800 |
| Z | 790.00:00:00 | 791.00:00:00 | 2.0 | 146.00 | 2.0 | 0.66127 |
| Z | 791.00:00:00 | 792.00:00:00 | 2.0 | 148.00 | 2.0 | 0.66127 |
| Z | 792.00:00:00 | 793.00:00:00 | 2.0 | 150.00 | 2.0 | 0.66127 |
| Z | 793.00:00:00 | 794.00:00:00 | 2.0 | 152.00 | 2.0 | 0.66127 |
| Z | 794.00:00:00 | 795.00:00:00 | 2.0 | 154.00 | 2.0 | 0.66127 |
| Z | 795.00:00:00 | 796.00:00:00 | 2.0 | 156.00 | 2.0 | 0.57310 |
| Z | 796.00:00:00 | 797.00:00:00 | 2.0 | 158.00 | 2.0 | 0.57310 |
| Z | 797.00:00:00 | 798.00:00:00 | 2.0 | 160.00 | 2.0 | 0.57310 |
| Z | 798.00:00:00 | 799.00:00:00 | 2.0 | 162.00 | 2.0 | 0.57310 |
| Z | 799.00:00:00 | 800.00:00:00 | 2.0 | 164.00 | 2.0 | 0.57310 |
| Z | 800.00:00:00 | 801.00:00:00 | 2.0 | 166.00 | 2.0 | 0.50698 |
| Z | 801.00:00:00 | 802.00:00:00 | 2.0 | 168.00 | 2.0 | 0.50698 |
| Z | 802.00:00:00 | 803.00:00:00 | 2.0 | 170.00 | 2.0 | 0.50698 |
| Z | 803.00:00:00 | 804.00:00:00 | 2.0 | 172.00 | 2.0 | 0.50698 |
| Z | 804.00:00:00 | 805.00:00:00 | 2.0 | 174.00 | 2.0 | 0.50698 |
| Z | 805.00:00:00 | 806.00:00:00 | 2.0 | 176.00 | 2.0 | 0.40778 |
| Z | 806.00:00:00 | 807.00:00:00 | 2.0 | 178.00 | 2.0 | 0.40778 |
| Z | 807.00:00:00 | 808.00:00:00 | 2.0 | 180.00 | 2.0 | 0.40778 |
| Z | 808.00:00:00 | 809.00:00:00 | 2.0 | 182.00 | 2.0 | 0.40778 |
| Z | 809.00:00:00 | 810.00:00:00 | 2.0 | 184.00 | 2.0 | 0.40778 |
| Z | 810.00:00:00 | 811.00:00:00 | 2.0 | 186.00 | 2.0 | 0.47391 |
| Z | 811.00:00:00 | 812.00:00:00 | 2.0 | 188.00 | 2.0 | 0.47391 |
| Z | 812.00:00:00 | 813.00:00:00 | 2.0 | 190.00 | 2.0 | 0.47391 |
| Z | 813.00:00:00 | 814.00:00:00 | 2.0 | 192.00 | 2.0 | 0.47391 |
| Z | 814.00:00:00 | 815.00:00:00 | 2.0 | 194.00 | 2.0 | 0.47391 |
| Z | 815.00:00:00 | 816.00:00:00 | 2.0 | 196.00 | 2.0 | 0.47391 |

|   |              |              |     |        |     |         |
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| Z | 816.00:00:00 | 817.00:00:00 | 2.0 | 198.00 | 2.0 | 0.47391 |
| Z | 817.00:00:00 | 818.00:00:00 | 2.0 | 200.00 | 2.0 | 0.47391 |
| Z | 818.00:00:00 | 819.00:00:00 | 2.0 | 202.00 | 2.0 | 0.47391 |
| Z | 819.00:00:00 | 820.00:00:00 | 2.0 | 204.00 | 2.0 | 0.47391 |
| Z | 820.00:00:00 | 821.00:00:00 | 2.0 | 206.00 | 2.0 | 0.36370 |
| Z | 821.00:00:00 | 822.00:00:00 | 2.0 | 208.00 | 2.0 | 0.36370 |
| Z | 822.00:00:00 | 823.00:00:00 | 2.0 | 210.00 | 2.0 | 0.36370 |
| Z | 823.00:00:00 | 824.00:00:00 | 2.0 | 212.00 | 2.0 | 0.36370 |
| Z | 824.00:00:00 | 825.00:00:00 | 2.0 | 214.00 | 2.0 | 0.36370 |
| Z | 825.00:00:00 | 826.00:00:00 | 2.0 | 216.00 | 2.0 | 0.47391 |
| Z | 826.00:00:00 | 827.00:00:00 | 2.0 | 218.00 | 2.0 | 0.47391 |
| Z | 827.00:00:00 | 828.00:00:00 | 2.0 | 220.00 | 2.0 | 0.47391 |
| Z | 828.00:00:00 | 829.00:00:00 | 2.0 | 222.00 | 2.0 | 0.47391 |
| Z | 829.00:00:00 | 830.00:00:00 | 2.0 | 224.00 | 2.0 | 0.47391 |
| Z | 830.00:00:00 | 831.00:00:00 | 2.0 | 226.00 | 2.0 | 0.44085 |
| Z | 831.00:00:00 | 832.00:00:00 | 2.0 | 228.00 | 2.0 | 0.44085 |
| Z | 832.00:00:00 | 833.00:00:00 | 2.0 | 230.00 | 2.0 | 0.44085 |
| Z | 833.00:00:00 | 834.00:00:00 | 2.0 | 232.00 | 2.0 | 0.44085 |
| Z | 834.00:00:00 | 835.00:00:00 | 2.0 | 234.00 | 2.0 | 0.44085 |
| Z | 835.00:00:00 | 836.00:00:00 | 2.0 | 236.00 | 2.0 | 0.45187 |
| Z | 836.00:00:00 | 837.00:00:00 | 2.0 | 238.00 | 2.0 | 0.45187 |
| Z | 837.00:00:00 | 838.00:00:00 | 2.0 | 240.00 | 2.0 | 0.45187 |
| Z | 838.00:00:00 | 839.00:00:00 | 2.0 | 242.00 | 2.0 | 0.45187 |
| Z | 839.00:00:00 | 840.00:00:00 | 2.0 | 244.00 | 2.0 | 0.45187 |
| Z | 840.00:00:00 | 841.00:00:00 | 2.0 | 246.00 | 2.0 | 0.51800 |
| Z | 841.00:00:00 | 842.00:00:00 | 2.0 | 248.00 | 2.0 | 0.51800 |
| Z | 842.00:00:00 | 843.00:00:00 | 2.0 | 250.00 | 2.0 | 0.51800 |
| Z | 843.00:00:00 | 844.00:00:00 | 2.0 | 252.00 | 2.0 | 0.51800 |
| Z | 844.00:00:00 | 845.00:00:00 | 2.0 | 254.00 | 2.0 | 0.51800 |
| Z | 845.00:00:00 | 846.00:00:00 | 2.0 | 256.00 | 2.0 | 0.65025 |
| Z | 846.00:00:00 | 847.00:00:00 | 2.0 | 258.00 | 2.0 | 0.65025 |
| Z | 847.00:00:00 | 848.00:00:00 | 2.0 | 260.00 | 2.0 | 0.65025 |
| Z | 848.00:00:00 | 849.00:00:00 | 2.0 | 262.00 | 2.0 | 0.65025 |
| Z | 849.00:00:00 | 850.00:00:00 | 2.0 | 264.00 | 2.0 | 0.65025 |
| Z | 850.00:00:00 | 851.00:00:00 | 2.0 | 266.00 | 2.0 | 0.63923 |
| Z | 851.00:00:00 | 852.00:00:00 | 2.0 | 268.00 | 2.0 | 0.63923 |
| Z | 852.00:00:00 | 853.00:00:00 | 2.0 | 270.00 | 2.0 | 0.63923 |
| Z | 853.00:00:00 | 854.00:00:00 | 2.0 | 272.00 | 2.0 | 0.63923 |
| Z | 854.00:00:00 | 855.00:00:00 | 2.0 | 274.00 | 2.0 | 0.63923 |
| Z | 855.00:00:00 | 856.00:00:00 | 2.0 | 276.00 | 2.0 | 0.79353 |
| Z | 856.00:00:00 | 857.00:00:00 | 2.0 | 278.00 | 2.0 | 0.79353 |
| Z | 857.00:00:00 | 858.00:00:00 | 2.0 | 280.00 | 2.0 | 0.79353 |
| Z | 858.00:00:00 | 859.00:00:00 | 2.0 | 282.00 | 2.0 | 0.79353 |
| Z | 859.00:00:00 | 860.00:00:00 | 2.0 | 284.00 | 2.0 | 0.79353 |
| Z | 860.00:00:00 | 861.00:00:00 | 2.0 | 286.00 | 2.0 | 1.35561 |
| Z | 861.00:00:00 | 862.00:00:00 | 2.0 | 288.00 | 2.0 | 1.35561 |
| Z | 862.00:00:00 | 863.00:00:00 | 2.0 | 290.00 | 2.0 | 1.35561 |
| Z | 863.00:00:00 | 864.00:00:00 | 2.0 | 292.00 | 2.0 | 1.35561 |
| Z | 864.00:00:00 | 865.00:00:00 | 2.0 | 294.00 | 2.0 | 1.35561 |
| Z | 865.00:00:00 | 866.00:00:00 | 2.0 | 296.00 | 2.0 | 1.54297 |
| Z | 866.00:00:00 | 867.00:00:00 | 2.0 | 298.00 | 2.0 | 1.54297 |
| Z | 867.00:00:00 | 868.00:00:00 | 2.0 | 300.00 | 2.0 | 1.54297 |
| Z | 868.00:00:00 | 869.00:00:00 | 2.0 | 302.00 | 2.0 | 1.54297 |
| Z | 869.00:00:00 | 870.00:00:00 | 2.0 | 304.00 | 2.0 | 1.54297 |
| Z | 870.00:00:00 | 871.00:00:00 | 2.0 | 306.00 | 2.0 | 1.55399 |
| Z | 871.00:00:00 | 872.00:00:00 | 2.0 | 308.00 | 2.0 | 1.55399 |
| Z | 872.00:00:00 | 873.00:00:00 | 2.0 | 310.00 | 2.0 | 1.55399 |
| Z | 873.00:00:00 | 874.00:00:00 | 2.0 | 312.00 | 2.0 | 1.55399 |
| Z | 874.00:00:00 | 875.00:00:00 | 2.0 | 314.00 | 2.0 | 1.55399 |
| Z | 875.00:00:00 | 876.00:00:00 | 2.0 | 316.00 | 2.0 | 1.41072 |
| Z | 876.00:00:00 | 877.00:00:00 | 2.0 | 318.00 | 2.0 | 1.41072 |

|   |              |              |     |        |     |         |
|---|--------------|--------------|-----|--------|-----|---------|
| Z | 877.00:00:00 | 878.00:00:00 | 2.0 | 320.00 | 2.0 | 1.41072 |
| Z | 878.00:00:00 | 879.00:00:00 | 2.0 | 322.00 | 2.0 | 1.41072 |
| Z | 879.00:00:00 | 880.00:00:00 | 2.0 | 324.00 | 2.0 | 1.41072 |
| Z | 880.00:00:00 | 881.00:00:00 | 2.0 | 326.00 | 2.0 | 1.59808 |
| Z | 881.00:00:00 | 882.00:00:00 | 2.0 | 328.00 | 2.0 | 1.59808 |
| Z | 882.00:00:00 | 883.00:00:00 | 2.0 | 330.00 | 2.0 | 1.59808 |
| Z | 883.00:00:00 | 884.00:00:00 | 2.0 | 332.00 | 2.0 | 1.59808 |
| Z | 884.00:00:00 | 885.00:00:00 | 2.0 | 334.00 | 2.0 | 1.59808 |
| Z | 885.00:00:00 | 886.00:00:00 | 2.0 | 336.00 | 2.0 | 1.37765 |
| Z | 886.00:00:00 | 887.00:00:00 | 2.0 | 338.00 | 2.0 | 1.37765 |
| Z | 887.00:00:00 | 888.00:00:00 | 2.0 | 340.00 | 2.0 | 1.37765 |
| Z | 888.00:00:00 | 889.00:00:00 | 2.0 | 342.00 | 2.0 | 1.37765 |
| Z | 889.00:00:00 | 890.00:00:00 | 2.0 | 344.00 | 2.0 | 1.37765 |
| Z | 890.00:00:00 | 891.00:00:00 | 2.0 | 346.00 | 2.0 | 1.32255 |
| Z | 891.00:00:00 | 892.00:00:00 | 2.0 | 348.00 | 2.0 | 1.32255 |
| Z | 892.00:00:00 | 893.00:00:00 | 2.0 | 350.00 | 2.0 | 1.32255 |
| Z | 893.00:00:00 | 894.00:00:00 | 2.0 | 352.00 | 2.0 | 1.32255 |
| Z | 894.00:00:00 | 895.00:00:00 | 2.0 | 354.00 | 2.0 | 1.32255 |
| Z | 895.00:00:00 | 896.00:00:00 | 2.0 | 356.00 | 2.0 | 1.14621 |
| Z | 896.00:00:00 | 897.00:00:00 | 2.0 | 358.00 | 2.0 | 1.14621 |
| Z | 897.00:00:00 | 898.00:00:00 | 2.0 | 360.00 | 2.0 | 1.14621 |
| Z | 898.00:00:00 | 899.00:00:00 | 2.0 | 362.00 | 2.0 | 1.14621 |
| Z | 899.00:00:00 | 900.00:00:00 | 2.0 | 364.00 | 2.0 | 1.14621 |
| Z | 900.00:00:00 | 901.00:00:00 | 3.0 | 6.00   | 2.0 | 0.29757 |
| Z | 901.00:00:00 | 902.00:00:00 | 3.0 | 8.00   | 2.0 | 0.29757 |
| Z | 902.00:00:00 | 903.00:00:00 | 3.0 | 10.00  | 2.0 | 0.29757 |
| Z | 903.00:00:00 | 904.00:00:00 | 3.0 | 12.00  | 2.0 | 0.29757 |
| Z | 904.00:00:00 | 905.00:00:00 | 3.0 | 14.00  | 2.0 | 0.29757 |
| Z | 905.00:00:00 | 906.00:00:00 | 3.0 | 16.00  | 2.0 | 0.16532 |
| Z | 906.00:00:00 | 907.00:00:00 | 3.0 | 18.00  | 2.0 | 0.16532 |
| Z | 907.00:00:00 | 908.00:00:00 | 3.0 | 20.00  | 2.0 | 0.16532 |
| Z | 908.00:00:00 | 909.00:00:00 | 3.0 | 22.00  | 2.0 | 0.16532 |
| Z | 909.00:00:00 | 910.00:00:00 | 3.0 | 24.00  | 2.0 | 0.16532 |
| Z | 910.00:00:00 | 911.00:00:00 | 3.0 | 26.00  | 2.0 | 0.28655 |
| Z | 911.00:00:00 | 912.00:00:00 | 3.0 | 28.00  | 2.0 | 0.28655 |
| Z | 912.00:00:00 | 913.00:00:00 | 3.0 | 30.00  | 2.0 | 0.28655 |
| Z | 913.00:00:00 | 914.00:00:00 | 3.0 | 32.00  | 2.0 | 0.28655 |
| Z | 914.00:00:00 | 915.00:00:00 | 3.0 | 34.00  | 2.0 | 0.28655 |
| Z | 915.00:00:00 | 916.00:00:00 | 3.0 | 36.00  | 2.0 | 0.55106 |
| Z | 916.00:00:00 | 917.00:00:00 | 3.0 | 38.00  | 2.0 | 0.55106 |
| Z | 917.00:00:00 | 918.00:00:00 | 3.0 | 40.00  | 2.0 | 0.55106 |
| Z | 918.00:00:00 | 919.00:00:00 | 3.0 | 42.00  | 2.0 | 0.55106 |
| Z | 919.00:00:00 | 920.00:00:00 | 3.0 | 44.00  | 2.0 | 0.55106 |
| Z | 920.00:00:00 | 921.00:00:00 | 3.0 | 46.00  | 2.0 | 0.59515 |
| Z | 921.00:00:00 | 922.00:00:00 | 3.0 | 48.00  | 2.0 | 0.59515 |
| Z | 922.00:00:00 | 923.00:00:00 | 3.0 | 50.00  | 2.0 | 0.59515 |
| Z | 923.00:00:00 | 924.00:00:00 | 3.0 | 52.00  | 2.0 | 0.59515 |
| Z | 924.00:00:00 | 925.00:00:00 | 3.0 | 54.00  | 2.0 | 0.59515 |
| Z | 925.00:00:00 | 926.00:00:00 | 3.0 | 56.00  | 2.0 | 0.69434 |
| Z | 926.00:00:00 | 927.00:00:00 | 3.0 | 58.00  | 2.0 | 0.69434 |
| Z | 927.00:00:00 | 928.00:00:00 | 3.0 | 60.00  | 2.0 | 0.69434 |
| Z | 928.00:00:00 | 929.00:00:00 | 3.0 | 62.00  | 2.0 | 0.69434 |
| Z | 929.00:00:00 | 930.00:00:00 | 3.0 | 64.00  | 2.0 | 0.69434 |
| Z | 930.00:00:00 | 931.00:00:00 | 3.0 | 66.00  | 2.0 | 0.45187 |
| Z | 931.00:00:00 | 932.00:00:00 | 3.0 | 68.00  | 2.0 | 0.45187 |
| Z | 932.00:00:00 | 933.00:00:00 | 3.0 | 70.00  | 2.0 | 0.45187 |
| Z | 933.00:00:00 | 934.00:00:00 | 3.0 | 72.00  | 2.0 | 0.45187 |
| Z | 934.00:00:00 | 935.00:00:00 | 3.0 | 74.00  | 2.0 | 0.45187 |
| Z | 935.00:00:00 | 936.00:00:00 | 3.0 | 76.00  | 2.0 | 0.28655 |
| Z | 936.00:00:00 | 937.00:00:00 | 3.0 | 78.00  | 2.0 | 0.28655 |
| Z | 937.00:00:00 | 938.00:00:00 | 3.0 | 80.00  | 2.0 | 0.28655 |

|   |              |              |     |        |     |         |
|---|--------------|--------------|-----|--------|-----|---------|
| Z | 938.00:00:00 | 939.00:00:00 | 3.0 | 82.00  | 2.0 | 0.28655 |
| Z | 939.00:00:00 | 940.00:00:00 | 3.0 | 84.00  | 2.0 | 0.28655 |
| Z | 940.00:00:00 | 941.00:00:00 | 3.0 | 86.00  | 2.0 | 0.19838 |
| Z | 941.00:00:00 | 942.00:00:00 | 3.0 | 88.00  | 2.0 | 0.19838 |
| Z | 942.00:00:00 | 943.00:00:00 | 3.0 | 90.00  | 2.0 | 0.19838 |
| Z | 943.00:00:00 | 944.00:00:00 | 3.0 | 92.00  | 2.0 | 0.19838 |
| Z | 944.00:00:00 | 945.00:00:00 | 3.0 | 94.00  | 2.0 | 0.19838 |
| Z | 945.00:00:00 | 946.00:00:00 | 3.0 | 96.00  | 2.0 | 0.36370 |
| Z | 946.00:00:00 | 947.00:00:00 | 3.0 | 98.00  | 2.0 | 0.36370 |
| Z | 947.00:00:00 | 948.00:00:00 | 3.0 | 100.00 | 2.0 | 0.36370 |
| Z | 948.00:00:00 | 949.00:00:00 | 3.0 | 102.00 | 2.0 | 0.36370 |
| Z | 949.00:00:00 | 950.00:00:00 | 3.0 | 104.00 | 2.0 | 0.36370 |
| Z | 950.00:00:00 | 951.00:00:00 | 3.0 | 106.00 | 2.0 | 0.27553 |
| Z | 951.00:00:00 | 952.00:00:00 | 3.0 | 108.00 | 2.0 | 0.27553 |
| Z | 952.00:00:00 | 953.00:00:00 | 3.0 | 110.00 | 2.0 | 0.27553 |
| Z | 953.00:00:00 | 954.00:00:00 | 3.0 | 112.00 | 2.0 | 0.27553 |
| Z | 954.00:00:00 | 955.00:00:00 | 3.0 | 114.00 | 2.0 | 0.27553 |
| Z | 955.00:00:00 | 956.00:00:00 | 3.0 | 116.00 | 2.0 | 0.24247 |
| Z | 956.00:00:00 | 957.00:00:00 | 3.0 | 118.00 | 2.0 | 0.24247 |
| Z | 957.00:00:00 | 958.00:00:00 | 3.0 | 120.00 | 2.0 | 0.24247 |
| Z | 958.00:00:00 | 959.00:00:00 | 3.0 | 122.00 | 2.0 | 0.24247 |
| Z | 959.00:00:00 | 960.00:00:00 | 3.0 | 124.00 | 2.0 | 0.24247 |
| Z | 960.00:00:00 | 961.00:00:00 | 3.0 | 126.00 | 2.0 | 0.11021 |
| Z | 961.00:00:00 | 962.00:00:00 | 3.0 | 128.00 | 2.0 | 0.11021 |
| Z | 962.00:00:00 | 963.00:00:00 | 3.0 | 130.00 | 2.0 | 0.11021 |
| Z | 963.00:00:00 | 964.00:00:00 | 3.0 | 132.00 | 2.0 | 0.11021 |
| Z | 964.00:00:00 | 965.00:00:00 | 3.0 | 134.00 | 2.0 | 0.11021 |
| Z | 965.00:00:00 | 966.00:00:00 | 3.0 | 136.00 | 2.0 | 0.05511 |
| Z | 966.00:00:00 | 967.00:00:00 | 3.0 | 138.00 | 2.0 | 0.05511 |
| Z | 967.00:00:00 | 968.00:00:00 | 3.0 | 140.00 | 2.0 | 0.05511 |
| Z | 968.00:00:00 | 969.00:00:00 | 3.0 | 142.00 | 2.0 | 0.05511 |
| Z | 969.00:00:00 | 970.00:00:00 | 3.0 | 144.00 | 2.0 | 0.05511 |
| Z | 970.00:00:00 | 971.00:00:00 | 3.0 | 146.00 | 2.0 | 0.09919 |
| Z | 971.00:00:00 | 972.00:00:00 | 3.0 | 148.00 | 2.0 | 0.09919 |
| Z | 972.00:00:00 | 973.00:00:00 | 3.0 | 150.00 | 2.0 | 0.09919 |
| Z | 973.00:00:00 | 974.00:00:00 | 3.0 | 152.00 | 2.0 | 0.09919 |
| Z | 974.00:00:00 | 975.00:00:00 | 3.0 | 154.00 | 2.0 | 0.09919 |
| Z | 975.00:00:00 | 976.00:00:00 | 3.0 | 156.00 | 2.0 | 0.19838 |
| Z | 976.00:00:00 | 977.00:00:00 | 3.0 | 158.00 | 2.0 | 0.19838 |
| Z | 977.00:00:00 | 978.00:00:00 | 3.0 | 160.00 | 2.0 | 0.19838 |
| Z | 978.00:00:00 | 979.00:00:00 | 3.0 | 162.00 | 2.0 | 0.19838 |
| Z | 979.00:00:00 | 980.00:00:00 | 3.0 | 164.00 | 2.0 | 0.19838 |
| Z | 980.00:00:00 | 981.00:00:00 | 3.0 | 166.00 | 2.0 | 0.06613 |
| Z | 981.00:00:00 | 982.00:00:00 | 3.0 | 168.00 | 2.0 | 0.06613 |
| Z | 982.00:00:00 | 983.00:00:00 | 3.0 | 170.00 | 2.0 | 0.06613 |
| Z | 983.00:00:00 | 984.00:00:00 | 3.0 | 172.00 | 2.0 | 0.06613 |
| Z | 984.00:00:00 | 985.00:00:00 | 3.0 | 174.00 | 2.0 | 0.06613 |
| Z | 985.00:00:00 | 986.00:00:00 | 3.0 | 176.00 | 2.0 | 0.08817 |
| Z | 986.00:00:00 | 987.00:00:00 | 3.0 | 178.00 | 2.0 | 0.08817 |
| Z | 987.00:00:00 | 988.00:00:00 | 3.0 | 180.00 | 2.0 | 0.08817 |
| Z | 988.00:00:00 | 989.00:00:00 | 3.0 | 182.00 | 2.0 | 0.08817 |
| Z | 989.00:00:00 | 990.00:00:00 | 3.0 | 184.00 | 2.0 | 0.08817 |
| Z | 990.00:00:00 | 991.00:00:00 | 3.0 | 186.00 | 2.0 | 0.19838 |
| Z | 991.00:00:00 | 992.00:00:00 | 3.0 | 188.00 | 2.0 | 0.19838 |
| Z | 992.00:00:00 | 993.00:00:00 | 3.0 | 190.00 | 2.0 | 0.19838 |
| Z | 993.00:00:00 | 994.00:00:00 | 3.0 | 192.00 | 2.0 | 0.19838 |
| Z | 994.00:00:00 | 995.00:00:00 | 3.0 | 194.00 | 2.0 | 0.19838 |
| Z | 995.00:00:00 | 996.00:00:00 | 3.0 | 196.00 | 2.0 | 0.20940 |
| Z | 996.00:00:00 | 997.00:00:00 | 3.0 | 198.00 | 2.0 | 0.20940 |
| Z | 997.00:00:00 | 998.00:00:00 | 3.0 | 200.00 | 2.0 | 0.20940 |
| Z | 998.00:00:00 | 999.00:00:00 | 3.0 | 202.00 | 2.0 | 0.20940 |

|   |               |               |     |        |     |         |
|---|---------------|---------------|-----|--------|-----|---------|
| Z | 999.00:00:00  | 1000.00:00:00 | 3.0 | 204.00 | 2.0 | 0.20940 |
| Z | 1000.00:00:00 | 1001.00:00:00 | 3.0 | 206.00 | 2.0 | 0.14328 |
| Z | 1001.00:00:00 | 1002.00:00:00 | 3.0 | 208.00 | 2.0 | 0.14328 |
| Z | 1002.00:00:00 | 1003.00:00:00 | 3.0 | 210.00 | 2.0 | 0.14328 |
| Z | 1003.00:00:00 | 1004.00:00:00 | 3.0 | 212.00 | 2.0 | 0.14328 |
| Z | 1004.00:00:00 | 1005.00:00:00 | 3.0 | 214.00 | 2.0 | 0.14328 |
| Z | 1005.00:00:00 | 1006.00:00:00 | 3.0 | 216.00 | 2.0 | 0.26451 |
| Z | 1006.00:00:00 | 1007.00:00:00 | 3.0 | 218.00 | 2.0 | 0.26451 |
| Z | 1007.00:00:00 | 1008.00:00:00 | 3.0 | 220.00 | 2.0 | 0.26451 |
| Z | 1008.00:00:00 | 1009.00:00:00 | 3.0 | 222.00 | 2.0 | 0.26451 |
| Z | 1009.00:00:00 | 1010.00:00:00 | 3.0 | 224.00 | 2.0 | 0.26451 |
| Z | 1010.00:00:00 | 1011.00:00:00 | 3.0 | 226.00 | 2.0 | 0.23145 |
| Z | 1011.00:00:00 | 1012.00:00:00 | 3.0 | 228.00 | 2.0 | 0.23145 |
| Z | 1012.00:00:00 | 1013.00:00:00 | 3.0 | 230.00 | 2.0 | 0.23145 |
| Z | 1013.00:00:00 | 1014.00:00:00 | 3.0 | 232.00 | 2.0 | 0.23145 |
| Z | 1014.00:00:00 | 1015.00:00:00 | 3.0 | 234.00 | 2.0 | 0.23145 |
| Z | 1015.00:00:00 | 1016.00:00:00 | 3.0 | 236.00 | 2.0 | 0.20940 |
| Z | 1016.00:00:00 | 1017.00:00:00 | 3.0 | 238.00 | 2.0 | 0.20940 |
| Z | 1017.00:00:00 | 1018.00:00:00 | 3.0 | 240.00 | 2.0 | 0.20940 |
| Z | 1018.00:00:00 | 1019.00:00:00 | 3.0 | 242.00 | 2.0 | 0.20940 |
| Z | 1019.00:00:00 | 1020.00:00:00 | 3.0 | 244.00 | 2.0 | 0.20940 |
| Z | 1020.00:00:00 | 1021.00:00:00 | 3.0 | 246.00 | 2.0 | 0.12123 |
| Z | 1021.00:00:00 | 1022.00:00:00 | 3.0 | 248.00 | 2.0 | 0.12123 |
| Z | 1022.00:00:00 | 1023.00:00:00 | 3.0 | 250.00 | 2.0 | 0.12123 |
| Z | 1023.00:00:00 | 1024.00:00:00 | 3.0 | 252.00 | 2.0 | 0.12123 |
| Z | 1024.00:00:00 | 1025.00:00:00 | 3.0 | 254.00 | 2.0 | 0.12123 |
| Z | 1025.00:00:00 | 1026.00:00:00 | 3.0 | 256.00 | 2.0 | 0.14328 |
| Z | 1026.00:00:00 | 1027.00:00:00 | 3.0 | 258.00 | 2.0 | 0.14328 |
| Z | 1027.00:00:00 | 1028.00:00:00 | 3.0 | 260.00 | 2.0 | 0.14328 |
| Z | 1028.00:00:00 | 1029.00:00:00 | 3.0 | 262.00 | 2.0 | 0.14328 |
| Z | 1029.00:00:00 | 1030.00:00:00 | 3.0 | 264.00 | 2.0 | 0.14328 |
| Z | 1030.00:00:00 | 1031.00:00:00 | 3.0 | 266.00 | 2.0 | 0.20940 |
| Z | 1031.00:00:00 | 1032.00:00:00 | 3.0 | 268.00 | 2.0 | 0.20940 |
| Z | 1032.00:00:00 | 1033.00:00:00 | 3.0 | 270.00 | 2.0 | 0.20940 |
| Z | 1033.00:00:00 | 1034.00:00:00 | 3.0 | 272.00 | 2.0 | 0.20940 |
| Z | 1034.00:00:00 | 1035.00:00:00 | 3.0 | 274.00 | 2.0 | 0.20940 |
| Z | 1035.00:00:00 | 1036.00:00:00 | 3.0 | 276.00 | 2.0 | 0.33064 |
| Z | 1036.00:00:00 | 1037.00:00:00 | 3.0 | 278.00 | 2.0 | 0.33064 |
| Z | 1037.00:00:00 | 1038.00:00:00 | 3.0 | 280.00 | 2.0 | 0.33064 |
| Z | 1038.00:00:00 | 1039.00:00:00 | 3.0 | 282.00 | 2.0 | 0.33064 |
| Z | 1039.00:00:00 | 1040.00:00:00 | 3.0 | 284.00 | 2.0 | 0.33064 |
| Z | 1040.00:00:00 | 1041.00:00:00 | 3.0 | 286.00 | 2.0 | 0.40778 |
| Z | 1041.00:00:00 | 1042.00:00:00 | 3.0 | 288.00 | 2.0 | 0.40778 |
| Z | 1042.00:00:00 | 1043.00:00:00 | 3.0 | 290.00 | 2.0 | 0.40778 |
| Z | 1043.00:00:00 | 1044.00:00:00 | 3.0 | 292.00 | 2.0 | 0.40778 |
| Z | 1044.00:00:00 | 1045.00:00:00 | 3.0 | 294.00 | 2.0 | 0.40778 |
| Z | 1045.00:00:00 | 1046.00:00:00 | 3.0 | 296.00 | 2.0 | 0.51800 |
| Z | 1046.00:00:00 | 1047.00:00:00 | 3.0 | 298.00 | 2.0 | 0.51800 |
| Z | 1047.00:00:00 | 1048.00:00:00 | 3.0 | 300.00 | 2.0 | 0.51800 |
| Z | 1048.00:00:00 | 1049.00:00:00 | 3.0 | 302.00 | 2.0 | 0.51800 |
| Z | 1049.00:00:00 | 1050.00:00:00 | 3.0 | 304.00 | 2.0 | 0.51800 |
| Z | 1050.00:00:00 | 1051.00:00:00 | 3.0 | 306.00 | 2.0 | 0.46289 |
| Z | 1051.00:00:00 | 1052.00:00:00 | 3.0 | 308.00 | 2.0 | 0.46289 |
| Z | 1052.00:00:00 | 1053.00:00:00 | 3.0 | 310.00 | 2.0 | 0.46289 |
| Z | 1053.00:00:00 | 1054.00:00:00 | 3.0 | 312.00 | 2.0 | 0.46289 |
| Z | 1054.00:00:00 | 1055.00:00:00 | 3.0 | 314.00 | 2.0 | 0.46289 |
| Z | 1055.00:00:00 | 1056.00:00:00 | 3.0 | 316.00 | 2.0 | 0.35268 |
| Z | 1056.00:00:00 | 1057.00:00:00 | 3.0 | 318.00 | 2.0 | 0.35268 |
| Z | 1057.00:00:00 | 1058.00:00:00 | 3.0 | 320.00 | 2.0 | 0.35268 |
| Z | 1058.00:00:00 | 1059.00:00:00 | 3.0 | 322.00 | 2.0 | 0.35268 |
| Z | 1059.00:00:00 | 1060.00:00:00 | 3.0 | 324.00 | 2.0 | 0.35268 |

|                 |               |     |        |     |         |
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| Z 1060.00:00:00 | 1061.00:00:00 | 3.0 | 326.00 | 2.0 | 0.37472 |
| Z 1061.00:00:00 | 1062.00:00:00 | 3.0 | 328.00 | 2.0 | 0.37472 |
| Z 1062.00:00:00 | 1063.00:00:00 | 3.0 | 330.00 | 2.0 | 0.37472 |
| Z 1063.00:00:00 | 1064.00:00:00 | 3.0 | 332.00 | 2.0 | 0.37472 |
| Z 1064.00:00:00 | 1065.00:00:00 | 3.0 | 334.00 | 2.0 | 0.37472 |
| Z 1065.00:00:00 | 1066.00:00:00 | 3.0 | 336.00 | 2.0 | 0.47391 |
| Z 1066.00:00:00 | 1067.00:00:00 | 3.0 | 338.00 | 2.0 | 0.47391 |
| Z 1067.00:00:00 | 1068.00:00:00 | 3.0 | 340.00 | 2.0 | 0.47391 |
| Z 1068.00:00:00 | 1069.00:00:00 | 3.0 | 342.00 | 2.0 | 0.47391 |
| Z 1069.00:00:00 | 1070.00:00:00 | 3.0 | 344.00 | 2.0 | 0.47391 |
| Z 1070.00:00:00 | 1071.00:00:00 | 3.0 | 346.00 | 2.0 | 0.34166 |
| Z 1071.00:00:00 | 1072.00:00:00 | 3.0 | 348.00 | 2.0 | 0.34166 |
| Z 1072.00:00:00 | 1073.00:00:00 | 3.0 | 350.00 | 2.0 | 0.34166 |
| Z 1073.00:00:00 | 1074.00:00:00 | 3.0 | 352.00 | 2.0 | 0.34166 |
| Z 1074.00:00:00 | 1075.00:00:00 | 3.0 | 354.00 | 2.0 | 0.34166 |
| Z 1075.00:00:00 | 1076.00:00:00 | 3.0 | 356.00 | 2.0 | 0.23145 |
| Z 1076.00:00:00 | 1077.00:00:00 | 3.0 | 358.00 | 2.0 | 0.23145 |
| Z 1077.00:00:00 | 1078.00:00:00 | 3.0 | 360.00 | 2.0 | 0.23145 |
| Z 1078.00:00:00 | 1079.00:00:00 | 3.0 | 362.00 | 2.0 | 0.23145 |
| Z 1079.00:00:00 | 1080.00:00:00 | 3.0 | 364.00 | 2.0 | 0.23145 |
| Z 1080.00:00:00 | 1081.00:00:00 | 1.0 | 6.00   | 3.1 | 0.30859 |
| Z 1081.00:00:00 | 1082.00:00:00 | 1.0 | 8.00   | 3.1 | 0.30859 |
| Z 1082.00:00:00 | 1083.00:00:00 | 1.0 | 10.00  | 3.1 | 0.30859 |
| Z 1083.00:00:00 | 1084.00:00:00 | 1.0 | 12.00  | 3.1 | 0.30859 |
| Z 1084.00:00:00 | 1085.00:00:00 | 1.0 | 14.00  | 3.1 | 0.30859 |
| Z 1085.00:00:00 | 1086.00:00:00 | 1.0 | 16.00  | 3.1 | 0.23145 |
| Z 1086.00:00:00 | 1087.00:00:00 | 1.0 | 18.00  | 3.1 | 0.23145 |
| Z 1087.00:00:00 | 1088.00:00:00 | 1.0 | 20.00  | 3.1 | 0.23145 |
| Z 1088.00:00:00 | 1089.00:00:00 | 1.0 | 22.00  | 3.1 | 0.23145 |
| Z 1089.00:00:00 | 1090.00:00:00 | 1.0 | 24.00  | 3.1 | 0.23145 |
| Z 1090.00:00:00 | 1091.00:00:00 | 1.0 | 26.00  | 3.1 | 0.30859 |
| Z 1091.00:00:00 | 1092.00:00:00 | 1.0 | 28.00  | 3.1 | 0.30859 |
| Z 1092.00:00:00 | 1093.00:00:00 | 1.0 | 30.00  | 3.1 | 0.30859 |
| Z 1093.00:00:00 | 1094.00:00:00 | 1.0 | 32.00  | 3.1 | 0.30859 |
| Z 1094.00:00:00 | 1095.00:00:00 | 1.0 | 34.00  | 3.1 | 0.30859 |
| Z 1095.00:00:00 | 1096.00:00:00 | 1.0 | 36.00  | 3.1 | 0.30859 |
| Z 1096.00:00:00 | 1097.00:00:00 | 1.0 | 38.00  | 3.1 | 0.30859 |
| Z 1097.00:00:00 | 1098.00:00:00 | 1.0 | 40.00  | 3.1 | 0.30859 |
| Z 1098.00:00:00 | 1099.00:00:00 | 1.0 | 42.00  | 3.1 | 0.30859 |
| Z 1099.00:00:00 | 1100.00:00:00 | 1.0 | 44.00  | 3.1 | 0.30859 |
| Z 1100.00:00:00 | 1101.00:00:00 | 1.0 | 46.00  | 3.1 | 0.38574 |
| Z 1101.00:00:00 | 1102.00:00:00 | 1.0 | 48.00  | 3.1 | 0.38574 |
| Z 1102.00:00:00 | 1103.00:00:00 | 1.0 | 50.00  | 3.1 | 0.38574 |
| Z 1103.00:00:00 | 1104.00:00:00 | 1.0 | 52.00  | 3.1 | 0.38574 |
| Z 1104.00:00:00 | 1105.00:00:00 | 1.0 | 54.00  | 3.1 | 0.38574 |
| Z 1105.00:00:00 | 1106.00:00:00 | 1.0 | 56.00  | 3.1 | 0.44085 |
| Z 1106.00:00:00 | 1107.00:00:00 | 1.0 | 58.00  | 3.1 | 0.44085 |
| Z 1107.00:00:00 | 1108.00:00:00 | 1.0 | 60.00  | 3.1 | 0.44085 |
| Z 1108.00:00:00 | 1109.00:00:00 | 1.0 | 62.00  | 3.1 | 0.44085 |
| Z 1109.00:00:00 | 1110.00:00:00 | 1.0 | 64.00  | 3.1 | 0.44085 |
| Z 1110.00:00:00 | 1111.00:00:00 | 1.0 | 66.00  | 3.1 | 0.47391 |
| Z 1111.00:00:00 | 1112.00:00:00 | 1.0 | 68.00  | 3.1 | 0.47391 |
| Z 1112.00:00:00 | 1113.00:00:00 | 1.0 | 70.00  | 3.1 | 0.47391 |
| Z 1113.00:00:00 | 1114.00:00:00 | 1.0 | 72.00  | 3.1 | 0.47391 |
| Z 1114.00:00:00 | 1115.00:00:00 | 1.0 | 74.00  | 3.1 | 0.47391 |
| Z 1115.00:00:00 | 1116.00:00:00 | 1.0 | 76.00  | 3.1 | 0.47391 |
| Z 1116.00:00:00 | 1117.00:00:00 | 1.0 | 78.00  | 3.1 | 0.47391 |
| Z 1117.00:00:00 | 1118.00:00:00 | 1.0 | 80.00  | 3.1 | 0.47391 |
| Z 1118.00:00:00 | 1119.00:00:00 | 1.0 | 82.00  | 3.1 | 0.47391 |
| Z 1119.00:00:00 | 1120.00:00:00 | 1.0 | 84.00  | 3.1 | 0.47391 |
| Z 1120.00:00:00 | 1121.00:00:00 | 1.0 | 86.00  | 3.1 | 0.36370 |

|   |               |               |     |        |     |         |
|---|---------------|---------------|-----|--------|-----|---------|
| Z | 1121.00:00:00 | 1122.00:00:00 | 1.0 | 88.00  | 3.1 | 0.36370 |
| Z | 1122.00:00:00 | 1123.00:00:00 | 1.0 | 90.00  | 3.1 | 0.36370 |
| Z | 1123.00:00:00 | 1124.00:00:00 | 1.0 | 92.00  | 3.1 | 0.36370 |
| Z | 1124.00:00:00 | 1125.00:00:00 | 1.0 | 94.00  | 3.1 | 0.36370 |
| Z | 1125.00:00:00 | 1126.00:00:00 | 1.0 | 96.00  | 3.1 | 0.39676 |
| Z | 1126.00:00:00 | 1127.00:00:00 | 1.0 | 98.00  | 3.1 | 0.39676 |
| Z | 1127.00:00:00 | 1128.00:00:00 | 1.0 | 100.00 | 3.1 | 0.39676 |
| Z | 1128.00:00:00 | 1129.00:00:00 | 1.0 | 102.00 | 3.1 | 0.39676 |
| Z | 1129.00:00:00 | 1130.00:00:00 | 1.0 | 104.00 | 3.1 | 0.39676 |
| Z | 1130.00:00:00 | 1131.00:00:00 | 1.0 | 106.00 | 3.1 | 0.60617 |
| Z | 1131.00:00:00 | 1132.00:00:00 | 1.0 | 108.00 | 3.1 | 0.60617 |
| Z | 1132.00:00:00 | 1133.00:00:00 | 1.0 | 110.00 | 3.1 | 0.60617 |
| Z | 1133.00:00:00 | 1134.00:00:00 | 1.0 | 112.00 | 3.1 | 0.60617 |
| Z | 1134.00:00:00 | 1135.00:00:00 | 1.0 | 114.00 | 3.1 | 0.60617 |
| Z | 1135.00:00:00 | 1136.00:00:00 | 1.0 | 116.00 | 3.1 | 0.67229 |
| Z | 1136.00:00:00 | 1137.00:00:00 | 1.0 | 118.00 | 3.1 | 0.67229 |
| Z | 1137.00:00:00 | 1138.00:00:00 | 1.0 | 120.00 | 3.1 | 0.67229 |
| Z | 1138.00:00:00 | 1139.00:00:00 | 1.0 | 122.00 | 3.1 | 0.67229 |
| Z | 1139.00:00:00 | 1140.00:00:00 | 1.0 | 124.00 | 3.1 | 0.67229 |
| Z | 1140.00:00:00 | 1141.00:00:00 | 1.0 | 126.00 | 3.1 | 0.63923 |
| Z | 1141.00:00:00 | 1142.00:00:00 | 1.0 | 128.00 | 3.1 | 0.63923 |
| Z | 1142.00:00:00 | 1143.00:00:00 | 1.0 | 130.00 | 3.1 | 0.63923 |
| Z | 1143.00:00:00 | 1144.00:00:00 | 1.0 | 132.00 | 3.1 | 0.63923 |
| Z | 1144.00:00:00 | 1145.00:00:00 | 1.0 | 134.00 | 3.1 | 0.63923 |
| Z | 1145.00:00:00 | 1146.00:00:00 | 1.0 | 136.00 | 3.1 | 0.88170 |
| Z | 1146.00:00:00 | 1147.00:00:00 | 1.0 | 138.00 | 3.1 | 0.88170 |
| Z | 1147.00:00:00 | 1148.00:00:00 | 1.0 | 140.00 | 3.1 | 0.88170 |
| Z | 1148.00:00:00 | 1149.00:00:00 | 1.0 | 142.00 | 3.1 | 0.88170 |
| Z | 1149.00:00:00 | 1150.00:00:00 | 1.0 | 144.00 | 3.1 | 0.88170 |
| Z | 1150.00:00:00 | 1151.00:00:00 | 1.0 | 146.00 | 3.1 | 0.56208 |
| Z | 1151.00:00:00 | 1152.00:00:00 | 1.0 | 148.00 | 3.1 | 0.56208 |
| Z | 1152.00:00:00 | 1153.00:00:00 | 1.0 | 150.00 | 3.1 | 0.56208 |
| Z | 1153.00:00:00 | 1154.00:00:00 | 1.0 | 152.00 | 3.1 | 0.56208 |
| Z | 1154.00:00:00 | 1155.00:00:00 | 1.0 | 154.00 | 3.1 | 0.56208 |
| Z | 1155.00:00:00 | 1156.00:00:00 | 1.0 | 156.00 | 3.1 | 0.56208 |
| Z | 1156.00:00:00 | 1157.00:00:00 | 1.0 | 158.00 | 3.1 | 0.56208 |
| Z | 1157.00:00:00 | 1158.00:00:00 | 1.0 | 160.00 | 3.1 | 0.56208 |
| Z | 1158.00:00:00 | 1159.00:00:00 | 1.0 | 162.00 | 3.1 | 0.56208 |
| Z | 1159.00:00:00 | 1160.00:00:00 | 1.0 | 164.00 | 3.1 | 0.56208 |
| Z | 1160.00:00:00 | 1161.00:00:00 | 1.0 | 166.00 | 3.1 | 0.60617 |
| Z | 1161.00:00:00 | 1162.00:00:00 | 1.0 | 168.00 | 3.1 | 0.60617 |
| Z | 1162.00:00:00 | 1163.00:00:00 | 1.0 | 170.00 | 3.1 | 0.60617 |
| Z | 1163.00:00:00 | 1164.00:00:00 | 1.0 | 172.00 | 3.1 | 0.60617 |
| Z | 1164.00:00:00 | 1165.00:00:00 | 1.0 | 174.00 | 3.1 | 0.60617 |
| Z | 1165.00:00:00 | 1166.00:00:00 | 1.0 | 176.00 | 3.1 | 0.46289 |
| Z | 1166.00:00:00 | 1167.00:00:00 | 1.0 | 178.00 | 3.1 | 0.46289 |
| Z | 1167.00:00:00 | 1168.00:00:00 | 1.0 | 180.00 | 3.1 | 0.46289 |
| Z | 1168.00:00:00 | 1169.00:00:00 | 1.0 | 182.00 | 3.1 | 0.46289 |
| Z | 1169.00:00:00 | 1170.00:00:00 | 1.0 | 184.00 | 3.1 | 0.46289 |
| Z | 1170.00:00:00 | 1171.00:00:00 | 1.0 | 186.00 | 3.1 | 0.40778 |
| Z | 1171.00:00:00 | 1172.00:00:00 | 1.0 | 188.00 | 3.1 | 0.40778 |
| Z | 1172.00:00:00 | 1173.00:00:00 | 1.0 | 190.00 | 3.1 | 0.40778 |
| Z | 1173.00:00:00 | 1174.00:00:00 | 1.0 | 192.00 | 3.1 | 0.40778 |
| Z | 1174.00:00:00 | 1175.00:00:00 | 1.0 | 194.00 | 3.1 | 0.40778 |
| Z | 1175.00:00:00 | 1176.00:00:00 | 1.0 | 196.00 | 3.1 | 0.54004 |
| Z | 1176.00:00:00 | 1177.00:00:00 | 1.0 | 198.00 | 3.1 | 0.54004 |
| Z | 1177.00:00:00 | 1178.00:00:00 | 1.0 | 200.00 | 3.1 | 0.54004 |
| Z | 1178.00:00:00 | 1179.00:00:00 | 1.0 | 202.00 | 3.1 | 0.54004 |
| Z | 1179.00:00:00 | 1180.00:00:00 | 1.0 | 204.00 | 3.1 | 0.54004 |
| Z | 1180.00:00:00 | 1181.00:00:00 | 1.0 | 206.00 | 3.1 | 0.33064 |
| Z | 1181.00:00:00 | 1182.00:00:00 | 1.0 | 208.00 | 3.1 | 0.33064 |

|                 |               |     |        |     |         |
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| Z 1182.00:00:00 | 1183.00:00:00 | 1.0 | 210.00 | 3.1 | 0.33064 |
| Z 1183.00:00:00 | 1184.00:00:00 | 1.0 | 212.00 | 3.1 | 0.33064 |
| Z 1184.00:00:00 | 1185.00:00:00 | 1.0 | 214.00 | 3.1 | 0.33064 |
| Z 1185.00:00:00 | 1186.00:00:00 | 1.0 | 216.00 | 3.1 | 0.44085 |
| Z 1186.00:00:00 | 1187.00:00:00 | 1.0 | 218.00 | 3.1 | 0.44085 |
| Z 1187.00:00:00 | 1188.00:00:00 | 1.0 | 220.00 | 3.1 | 0.44085 |
| Z 1188.00:00:00 | 1189.00:00:00 | 1.0 | 222.00 | 3.1 | 0.44085 |
| Z 1189.00:00:00 | 1190.00:00:00 | 1.0 | 224.00 | 3.1 | 0.44085 |
| Z 1190.00:00:00 | 1191.00:00:00 | 1.0 | 226.00 | 3.1 | 0.29757 |
| Z 1191.00:00:00 | 1192.00:00:00 | 1.0 | 228.00 | 3.1 | 0.29757 |
| Z 1192.00:00:00 | 1193.00:00:00 | 1.0 | 230.00 | 3.1 | 0.29757 |
| Z 1193.00:00:00 | 1194.00:00:00 | 1.0 | 232.00 | 3.1 | 0.29757 |
| Z 1194.00:00:00 | 1195.00:00:00 | 1.0 | 234.00 | 3.1 | 0.29757 |
| Z 1195.00:00:00 | 1196.00:00:00 | 1.0 | 236.00 | 3.1 | 0.44085 |
| Z 1196.00:00:00 | 1197.00:00:00 | 1.0 | 238.00 | 3.1 | 0.44085 |
| Z 1197.00:00:00 | 1198.00:00:00 | 1.0 | 240.00 | 3.1 | 0.44085 |
| Z 1198.00:00:00 | 1199.00:00:00 | 1.0 | 242.00 | 3.1 | 0.44085 |
| Z 1199.00:00:00 | 1200.00:00:00 | 1.0 | 244.00 | 3.1 | 0.44085 |
| Z 1200.00:00:00 | 1201.00:00:00 | 1.0 | 246.00 | 3.1 | 0.40778 |
| Z 1201.00:00:00 | 1202.00:00:00 | 1.0 | 248.00 | 3.1 | 0.40778 |
| Z 1202.00:00:00 | 1203.00:00:00 | 1.0 | 250.00 | 3.1 | 0.40778 |
| Z 1203.00:00:00 | 1204.00:00:00 | 1.0 | 252.00 | 3.1 | 0.40778 |
| Z 1204.00:00:00 | 1205.00:00:00 | 1.0 | 254.00 | 3.1 | 0.40778 |
| Z 1205.00:00:00 | 1206.00:00:00 | 1.0 | 256.00 | 3.1 | 0.41881 |
| Z 1206.00:00:00 | 1207.00:00:00 | 1.0 | 258.00 | 3.1 | 0.41881 |
| Z 1207.00:00:00 | 1208.00:00:00 | 1.0 | 260.00 | 3.1 | 0.41881 |
| Z 1208.00:00:00 | 1209.00:00:00 | 1.0 | 262.00 | 3.1 | 0.41881 |
| Z 1209.00:00:00 | 1210.00:00:00 | 1.0 | 264.00 | 3.1 | 0.41881 |
| Z 1210.00:00:00 | 1211.00:00:00 | 1.0 | 266.00 | 3.1 | 0.36370 |
| Z 1211.00:00:00 | 1212.00:00:00 | 1.0 | 268.00 | 3.1 | 0.36370 |
| Z 1212.00:00:00 | 1213.00:00:00 | 1.0 | 270.00 | 3.1 | 0.36370 |
| Z 1213.00:00:00 | 1214.00:00:00 | 1.0 | 272.00 | 3.1 | 0.36370 |
| Z 1214.00:00:00 | 1215.00:00:00 | 1.0 | 274.00 | 3.1 | 0.36370 |
| Z 1215.00:00:00 | 1216.00:00:00 | 1.0 | 276.00 | 3.1 | 0.65025 |
| Z 1216.00:00:00 | 1217.00:00:00 | 1.0 | 278.00 | 3.1 | 0.65025 |
| Z 1217.00:00:00 | 1218.00:00:00 | 1.0 | 280.00 | 3.1 | 0.65025 |
| Z 1218.00:00:00 | 1219.00:00:00 | 1.0 | 282.00 | 3.1 | 0.65025 |
| Z 1219.00:00:00 | 1220.00:00:00 | 1.0 | 284.00 | 3.1 | 0.65025 |
| Z 1220.00:00:00 | 1221.00:00:00 | 1.0 | 286.00 | 3.1 | 0.54004 |
| Z 1221.00:00:00 | 1222.00:00:00 | 1.0 | 288.00 | 3.1 | 0.54004 |
| Z 1222.00:00:00 | 1223.00:00:00 | 1.0 | 290.00 | 3.1 | 0.54004 |
| Z 1223.00:00:00 | 1224.00:00:00 | 1.0 | 292.00 | 3.1 | 0.54004 |
| Z 1224.00:00:00 | 1225.00:00:00 | 1.0 | 294.00 | 3.1 | 0.54004 |
| Z 1225.00:00:00 | 1226.00:00:00 | 1.0 | 296.00 | 3.1 | 0.39676 |
| Z 1226.00:00:00 | 1227.00:00:00 | 1.0 | 298.00 | 3.1 | 0.39676 |
| Z 1227.00:00:00 | 1228.00:00:00 | 1.0 | 300.00 | 3.1 | 0.39676 |
| Z 1228.00:00:00 | 1229.00:00:00 | 1.0 | 302.00 | 3.1 | 0.39676 |
| Z 1229.00:00:00 | 1230.00:00:00 | 1.0 | 304.00 | 3.1 | 0.39676 |
| Z 1230.00:00:00 | 1231.00:00:00 | 1.0 | 306.00 | 3.1 | 0.24247 |
| Z 1231.00:00:00 | 1232.00:00:00 | 1.0 | 308.00 | 3.1 | 0.24247 |
| Z 1232.00:00:00 | 1233.00:00:00 | 1.0 | 310.00 | 3.1 | 0.24247 |
| Z 1233.00:00:00 | 1234.00:00:00 | 1.0 | 312.00 | 3.1 | 0.24247 |
| Z 1234.00:00:00 | 1235.00:00:00 | 1.0 | 314.00 | 3.1 | 0.24247 |
| Z 1235.00:00:00 | 1236.00:00:00 | 1.0 | 316.00 | 3.1 | 0.36370 |
| Z 1236.00:00:00 | 1237.00:00:00 | 1.0 | 318.00 | 3.1 | 0.36370 |
| Z 1237.00:00:00 | 1238.00:00:00 | 1.0 | 320.00 | 3.1 | 0.36370 |
| Z 1238.00:00:00 | 1239.00:00:00 | 1.0 | 322.00 | 3.1 | 0.36370 |
| Z 1239.00:00:00 | 1240.00:00:00 | 1.0 | 324.00 | 3.1 | 0.36370 |
| Z 1240.00:00:00 | 1241.00:00:00 | 1.0 | 326.00 | 3.1 | 0.41881 |
| Z 1241.00:00:00 | 1242.00:00:00 | 1.0 | 328.00 | 3.1 | 0.41881 |
| Z 1242.00:00:00 | 1243.00:00:00 | 1.0 | 330.00 | 3.1 | 0.41881 |

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| Z 1243.00:00:00 | 1244.00:00:00 | 1.0 | 332.00 | 3.1 | 0.41881 |
| Z 1244.00:00:00 | 1245.00:00:00 | 1.0 | 334.00 | 3.1 | 0.41881 |
| Z 1245.00:00:00 | 1246.00:00:00 | 1.0 | 336.00 | 3.1 | 0.30859 |
| Z 1246.00:00:00 | 1247.00:00:00 | 1.0 | 338.00 | 3.1 | 0.30859 |
| Z 1247.00:00:00 | 1248.00:00:00 | 1.0 | 340.00 | 3.1 | 0.30859 |
| Z 1248.00:00:00 | 1249.00:00:00 | 1.0 | 342.00 | 3.1 | 0.30859 |
| Z 1249.00:00:00 | 1250.00:00:00 | 1.0 | 344.00 | 3.1 | 0.30859 |
| Z 1250.00:00:00 | 1251.00:00:00 | 1.0 | 346.00 | 3.1 | 0.24247 |
| Z 1251.00:00:00 | 1252.00:00:00 | 1.0 | 348.00 | 3.1 | 0.24247 |
| Z 1252.00:00:00 | 1253.00:00:00 | 1.0 | 350.00 | 3.1 | 0.24247 |
| Z 1253.00:00:00 | 1254.00:00:00 | 1.0 | 352.00 | 3.1 | 0.24247 |
| Z 1254.00:00:00 | 1255.00:00:00 | 1.0 | 354.00 | 3.1 | 0.24247 |
| Z 1255.00:00:00 | 1256.00:00:00 | 1.0 | 356.00 | 3.1 | 0.25349 |
| Z 1256.00:00:00 | 1257.00:00:00 | 1.0 | 358.00 | 3.1 | 0.25349 |
| Z 1257.00:00:00 | 1258.00:00:00 | 1.0 | 360.00 | 3.1 | 0.25349 |
| Z 1258.00:00:00 | 1259.00:00:00 | 1.0 | 362.00 | 3.1 | 0.25349 |
| Z 1259.00:00:00 | 1260.00:00:00 | 1.0 | 364.00 | 3.1 | 0.25349 |
| Z 1260.00:00:00 | 1261.00:00:00 | 1.5 | 6.00   | 3.1 | 0.33064 |
| Z 1261.00:00:00 | 1262.00:00:00 | 1.5 | 8.00   | 3.1 | 0.33064 |
| Z 1262.00:00:00 | 1263.00:00:00 | 1.5 | 10.00  | 3.1 | 0.33064 |
| Z 1263.00:00:00 | 1264.00:00:00 | 1.5 | 12.00  | 3.1 | 0.33064 |
| Z 1264.00:00:00 | 1265.00:00:00 | 1.5 | 14.00  | 3.1 | 0.33064 |
| Z 1265.00:00:00 | 1266.00:00:00 | 1.5 | 16.00  | 3.1 | 0.28655 |
| Z 1266.00:00:00 | 1267.00:00:00 | 1.5 | 18.00  | 3.1 | 0.28655 |
| Z 1267.00:00:00 | 1268.00:00:00 | 1.5 | 20.00  | 3.1 | 0.28655 |
| Z 1268.00:00:00 | 1269.00:00:00 | 1.5 | 22.00  | 3.1 | 0.28655 |
| Z 1269.00:00:00 | 1270.00:00:00 | 1.5 | 24.00  | 3.1 | 0.28655 |
| Z 1270.00:00:00 | 1271.00:00:00 | 1.5 | 26.00  | 3.1 | 0.35268 |
| Z 1271.00:00:00 | 1272.00:00:00 | 1.5 | 28.00  | 3.1 | 0.35268 |
| Z 1272.00:00:00 | 1273.00:00:00 | 1.5 | 30.00  | 3.1 | 0.35268 |
| Z 1273.00:00:00 | 1274.00:00:00 | 1.5 | 32.00  | 3.1 | 0.35268 |
| Z 1274.00:00:00 | 1275.00:00:00 | 1.5 | 34.00  | 3.1 | 0.35268 |
| Z 1275.00:00:00 | 1276.00:00:00 | 1.5 | 36.00  | 3.1 | 0.34166 |
| Z 1276.00:00:00 | 1277.00:00:00 | 1.5 | 38.00  | 3.1 | 0.34166 |
| Z 1277.00:00:00 | 1278.00:00:00 | 1.5 | 40.00  | 3.1 | 0.34166 |
| Z 1278.00:00:00 | 1279.00:00:00 | 1.5 | 42.00  | 3.1 | 0.34166 |
| Z 1279.00:00:00 | 1280.00:00:00 | 1.5 | 44.00  | 3.1 | 0.34166 |
| Z 1280.00:00:00 | 1281.00:00:00 | 1.5 | 46.00  | 3.1 | 0.54004 |
| Z 1281.00:00:00 | 1282.00:00:00 | 1.5 | 48.00  | 3.1 | 0.54004 |
| Z 1282.00:00:00 | 1283.00:00:00 | 1.5 | 50.00  | 3.1 | 0.54004 |
| Z 1283.00:00:00 | 1284.00:00:00 | 1.5 | 52.00  | 3.1 | 0.54004 |
| Z 1284.00:00:00 | 1285.00:00:00 | 1.5 | 54.00  | 3.1 | 0.54004 |
| Z 1285.00:00:00 | 1286.00:00:00 | 1.5 | 56.00  | 3.1 | 0.81557 |
| Z 1286.00:00:00 | 1287.00:00:00 | 1.5 | 58.00  | 3.1 | 0.81557 |
| Z 1287.00:00:00 | 1288.00:00:00 | 1.5 | 60.00  | 3.1 | 0.81557 |
| Z 1288.00:00:00 | 1289.00:00:00 | 1.5 | 62.00  | 3.1 | 0.81557 |
| Z 1289.00:00:00 | 1290.00:00:00 | 1.5 | 64.00  | 3.1 | 0.81557 |
| Z 1290.00:00:00 | 1291.00:00:00 | 1.5 | 66.00  | 3.1 | 0.60617 |
| Z 1291.00:00:00 | 1292.00:00:00 | 1.5 | 68.00  | 3.1 | 0.60617 |
| Z 1292.00:00:00 | 1293.00:00:00 | 1.5 | 70.00  | 3.1 | 0.60617 |
| Z 1293.00:00:00 | 1294.00:00:00 | 1.5 | 72.00  | 3.1 | 0.60617 |
| Z 1294.00:00:00 | 1295.00:00:00 | 1.5 | 74.00  | 3.1 | 0.60617 |
| Z 1295.00:00:00 | 1296.00:00:00 | 1.5 | 76.00  | 3.1 | 0.48493 |
| Z 1296.00:00:00 | 1297.00:00:00 | 1.5 | 78.00  | 3.1 | 0.48493 |
| Z 1297.00:00:00 | 1298.00:00:00 | 1.5 | 80.00  | 3.1 | 0.48493 |
| Z 1298.00:00:00 | 1299.00:00:00 | 1.5 | 82.00  | 3.1 | 0.48493 |
| Z 1299.00:00:00 | 1300.00:00:00 | 1.5 | 84.00  | 3.1 | 0.48493 |
| Z 1300.00:00:00 | 1301.00:00:00 | 1.5 | 86.00  | 3.1 | 0.51800 |
| Z 1301.00:00:00 | 1302.00:00:00 | 1.5 | 88.00  | 3.1 | 0.51800 |
| Z 1302.00:00:00 | 1303.00:00:00 | 1.5 | 90.00  | 3.1 | 0.51800 |
| Z 1303.00:00:00 | 1304.00:00:00 | 1.5 | 92.00  | 3.1 | 0.51800 |

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| Z 1304.00:00:00 | 1305.00:00:00 | 1.5 | 94.00  | 3.1 | 0.51800 |
| Z 1305.00:00:00 | 1306.00:00:00 | 1.5 | 96.00  | 3.1 | 0.61719 |
| Z 1306.00:00:00 | 1307.00:00:00 | 1.5 | 98.00  | 3.1 | 0.61719 |
| Z 1307.00:00:00 | 1308.00:00:00 | 1.5 | 100.00 | 3.1 | 0.61719 |
| Z 1308.00:00:00 | 1309.00:00:00 | 1.5 | 102.00 | 3.1 | 0.61719 |
| Z 1309.00:00:00 | 1310.00:00:00 | 1.5 | 104.00 | 3.1 | 0.61719 |
| Z 1310.00:00:00 | 1311.00:00:00 | 1.5 | 106.00 | 3.1 | 0.73842 |
| Z 1311.00:00:00 | 1312.00:00:00 | 1.5 | 108.00 | 3.1 | 0.73842 |
| Z 1312.00:00:00 | 1313.00:00:00 | 1.5 | 110.00 | 3.1 | 0.73842 |
| Z 1313.00:00:00 | 1314.00:00:00 | 1.5 | 112.00 | 3.1 | 0.73842 |
| Z 1314.00:00:00 | 1315.00:00:00 | 1.5 | 114.00 | 3.1 | 0.73842 |
| Z 1315.00:00:00 | 1316.00:00:00 | 1.5 | 116.00 | 3.1 | 0.92578 |
| Z 1316.00:00:00 | 1317.00:00:00 | 1.5 | 118.00 | 3.1 | 0.92578 |
| Z 1317.00:00:00 | 1318.00:00:00 | 1.5 | 120.00 | 3.1 | 0.92578 |
| Z 1318.00:00:00 | 1319.00:00:00 | 1.5 | 122.00 | 3.1 | 0.92578 |
| Z 1319.00:00:00 | 1320.00:00:00 | 1.5 | 124.00 | 3.1 | 0.92578 |
| Z 1320.00:00:00 | 1321.00:00:00 | 1.5 | 126.00 | 3.1 | 1.15723 |
| Z 1321.00:00:00 | 1322.00:00:00 | 1.5 | 128.00 | 3.1 | 1.15723 |
| Z 1322.00:00:00 | 1323.00:00:00 | 1.5 | 130.00 | 3.1 | 1.15723 |
| Z 1323.00:00:00 | 1324.00:00:00 | 1.5 | 132.00 | 3.1 | 1.15723 |
| Z 1324.00:00:00 | 1325.00:00:00 | 1.5 | 134.00 | 3.1 | 1.15723 |
| Z 1325.00:00:00 | 1326.00:00:00 | 1.5 | 136.00 | 3.1 | 1.06906 |
| Z 1326.00:00:00 | 1327.00:00:00 | 1.5 | 138.00 | 3.1 | 1.06906 |
| Z 1327.00:00:00 | 1328.00:00:00 | 1.5 | 140.00 | 3.1 | 1.06906 |
| Z 1328.00:00:00 | 1329.00:00:00 | 1.5 | 142.00 | 3.1 | 1.06906 |
| Z 1329.00:00:00 | 1330.00:00:00 | 1.5 | 144.00 | 3.1 | 1.06906 |
| Z 1330.00:00:00 | 1331.00:00:00 | 1.5 | 146.00 | 3.1 | 1.14621 |
| Z 1331.00:00:00 | 1332.00:00:00 | 1.5 | 148.00 | 3.1 | 1.14621 |
| Z 1332.00:00:00 | 1333.00:00:00 | 1.5 | 150.00 | 3.1 | 1.14621 |
| Z 1333.00:00:00 | 1334.00:00:00 | 1.5 | 152.00 | 3.1 | 1.14621 |
| Z 1334.00:00:00 | 1335.00:00:00 | 1.5 | 154.00 | 3.1 | 1.14621 |
| Z 1335.00:00:00 | 1336.00:00:00 | 1.5 | 156.00 | 3.1 | 0.92578 |
| Z 1336.00:00:00 | 1337.00:00:00 | 1.5 | 158.00 | 3.1 | 0.92578 |
| Z 1337.00:00:00 | 1338.00:00:00 | 1.5 | 160.00 | 3.1 | 0.92578 |
| Z 1338.00:00:00 | 1339.00:00:00 | 1.5 | 162.00 | 3.1 | 0.92578 |
| Z 1339.00:00:00 | 1340.00:00:00 | 1.5 | 164.00 | 3.1 | 0.92578 |
| Z 1340.00:00:00 | 1341.00:00:00 | 1.5 | 166.00 | 3.1 | 1.00293 |
| Z 1341.00:00:00 | 1342.00:00:00 | 1.5 | 168.00 | 3.1 | 1.00293 |
| Z 1342.00:00:00 | 1343.00:00:00 | 1.5 | 170.00 | 3.1 | 1.00293 |
| Z 1343.00:00:00 | 1344.00:00:00 | 1.5 | 172.00 | 3.1 | 1.00293 |
| Z 1344.00:00:00 | 1345.00:00:00 | 1.5 | 174.00 | 3.1 | 1.00293 |
| Z 1345.00:00:00 | 1346.00:00:00 | 1.5 | 176.00 | 3.1 | 0.62821 |
| Z 1346.00:00:00 | 1347.00:00:00 | 1.5 | 178.00 | 3.1 | 0.62821 |
| Z 1347.00:00:00 | 1348.00:00:00 | 1.5 | 180.00 | 3.1 | 0.62821 |
| Z 1348.00:00:00 | 1349.00:00:00 | 1.5 | 182.00 | 3.1 | 0.62821 |
| Z 1349.00:00:00 | 1350.00:00:00 | 1.5 | 184.00 | 3.1 | 0.62821 |
| Z 1350.00:00:00 | 1351.00:00:00 | 1.5 | 186.00 | 3.1 | 0.61719 |
| Z 1351.00:00:00 | 1352.00:00:00 | 1.5 | 188.00 | 3.1 | 0.61719 |
| Z 1352.00:00:00 | 1353.00:00:00 | 1.5 | 190.00 | 3.1 | 0.61719 |
| Z 1353.00:00:00 | 1354.00:00:00 | 1.5 | 192.00 | 3.1 | 0.61719 |
| Z 1354.00:00:00 | 1355.00:00:00 | 1.5 | 194.00 | 3.1 | 0.61719 |
| Z 1355.00:00:00 | 1356.00:00:00 | 1.5 | 196.00 | 3.1 | 0.63923 |
| Z 1356.00:00:00 | 1357.00:00:00 | 1.5 | 198.00 | 3.1 | 0.63923 |
| Z 1357.00:00:00 | 1358.00:00:00 | 1.5 | 200.00 | 3.1 | 0.63923 |
| Z 1358.00:00:00 | 1359.00:00:00 | 1.5 | 202.00 | 3.1 | 0.63923 |
| Z 1359.00:00:00 | 1360.00:00:00 | 1.5 | 204.00 | 3.1 | 0.63923 |
| Z 1360.00:00:00 | 1361.00:00:00 | 1.5 | 206.00 | 3.1 | 0.70536 |
| Z 1361.00:00:00 | 1362.00:00:00 | 1.5 | 208.00 | 3.1 | 0.70536 |
| Z 1362.00:00:00 | 1363.00:00:00 | 1.5 | 210.00 | 3.1 | 0.70536 |
| Z 1363.00:00:00 | 1364.00:00:00 | 1.5 | 212.00 | 3.1 | 0.70536 |
| Z 1364.00:00:00 | 1365.00:00:00 | 1.5 | 214.00 | 3.1 | 0.70536 |

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| Z 1365.00:00:00 | 1366.00:00:00 | 1.5 | 216.00 | 3.1 | 0.52902 |
| Z 1366.00:00:00 | 1367.00:00:00 | 1.5 | 218.00 | 3.1 | 0.52902 |
| Z 1367.00:00:00 | 1368.00:00:00 | 1.5 | 220.00 | 3.1 | 0.52902 |
| Z 1368.00:00:00 | 1369.00:00:00 | 1.5 | 222.00 | 3.1 | 0.52902 |
| Z 1369.00:00:00 | 1370.00:00:00 | 1.5 | 224.00 | 3.1 | 0.52902 |
| Z 1370.00:00:00 | 1371.00:00:00 | 1.5 | 226.00 | 3.1 | 0.61719 |
| Z 1371.00:00:00 | 1372.00:00:00 | 1.5 | 228.00 | 3.1 | 0.61719 |
| Z 1372.00:00:00 | 1373.00:00:00 | 1.5 | 230.00 | 3.1 | 0.61719 |
| Z 1373.00:00:00 | 1374.00:00:00 | 1.5 | 232.00 | 3.1 | 0.61719 |
| Z 1374.00:00:00 | 1375.00:00:00 | 1.5 | 234.00 | 3.1 | 0.61719 |
| Z 1375.00:00:00 | 1376.00:00:00 | 1.5 | 236.00 | 3.1 | 0.60617 |
| Z 1376.00:00:00 | 1377.00:00:00 | 1.5 | 238.00 | 3.1 | 0.60617 |
| Z 1377.00:00:00 | 1378.00:00:00 | 1.5 | 240.00 | 3.1 | 0.60617 |
| Z 1378.00:00:00 | 1379.00:00:00 | 1.5 | 242.00 | 3.1 | 0.60617 |
| Z 1379.00:00:00 | 1380.00:00:00 | 1.5 | 244.00 | 3.1 | 0.60617 |
| Z 1380.00:00:00 | 1381.00:00:00 | 1.5 | 246.00 | 3.1 | 0.68332 |
| Z 1381.00:00:00 | 1382.00:00:00 | 1.5 | 248.00 | 3.1 | 0.68332 |
| Z 1382.00:00:00 | 1383.00:00:00 | 1.5 | 250.00 | 3.1 | 0.68332 |
| Z 1383.00:00:00 | 1384.00:00:00 | 1.5 | 252.00 | 3.1 | 0.68332 |
| Z 1384.00:00:00 | 1385.00:00:00 | 1.5 | 254.00 | 3.1 | 0.68332 |
| Z 1385.00:00:00 | 1386.00:00:00 | 1.5 | 256.00 | 3.1 | 0.65025 |
| Z 1386.00:00:00 | 1387.00:00:00 | 1.5 | 258.00 | 3.1 | 0.65025 |
| Z 1387.00:00:00 | 1388.00:00:00 | 1.5 | 260.00 | 3.1 | 0.65025 |
| Z 1388.00:00:00 | 1389.00:00:00 | 1.5 | 262.00 | 3.1 | 0.65025 |
| Z 1389.00:00:00 | 1390.00:00:00 | 1.5 | 264.00 | 3.1 | 0.65025 |
| Z 1390.00:00:00 | 1391.00:00:00 | 1.5 | 266.00 | 3.1 | 0.85965 |
| Z 1391.00:00:00 | 1392.00:00:00 | 1.5 | 268.00 | 3.1 | 0.85965 |
| Z 1392.00:00:00 | 1393.00:00:00 | 1.5 | 270.00 | 3.1 | 0.85965 |
| Z 1393.00:00:00 | 1394.00:00:00 | 1.5 | 272.00 | 3.1 | 0.85965 |
| Z 1394.00:00:00 | 1395.00:00:00 | 1.5 | 274.00 | 3.1 | 0.85965 |
| Z 1395.00:00:00 | 1396.00:00:00 | 1.5 | 276.00 | 3.1 | 0.81557 |
| Z 1396.00:00:00 | 1397.00:00:00 | 1.5 | 278.00 | 3.1 | 0.81557 |
| Z 1397.00:00:00 | 1398.00:00:00 | 1.5 | 280.00 | 3.1 | 0.81557 |
| Z 1398.00:00:00 | 1399.00:00:00 | 1.5 | 282.00 | 3.1 | 0.81557 |
| Z 1399.00:00:00 | 1400.00:00:00 | 1.5 | 284.00 | 3.1 | 0.81557 |
| Z 1400.00:00:00 | 1401.00:00:00 | 1.5 | 286.00 | 3.1 | 1.03599 |
| Z 1401.00:00:00 | 1402.00:00:00 | 1.5 | 288.00 | 3.1 | 1.03599 |
| Z 1402.00:00:00 | 1403.00:00:00 | 1.5 | 290.00 | 3.1 | 1.03599 |
| Z 1403.00:00:00 | 1404.00:00:00 | 1.5 | 292.00 | 3.1 | 1.03599 |
| Z 1404.00:00:00 | 1405.00:00:00 | 1.5 | 294.00 | 3.1 | 1.03599 |
| Z 1405.00:00:00 | 1406.00:00:00 | 1.5 | 296.00 | 3.1 | 0.78251 |
| Z 1406.00:00:00 | 1407.00:00:00 | 1.5 | 298.00 | 3.1 | 0.78251 |
| Z 1407.00:00:00 | 1408.00:00:00 | 1.5 | 300.00 | 3.1 | 0.78251 |
| Z 1408.00:00:00 | 1409.00:00:00 | 1.5 | 302.00 | 3.1 | 0.78251 |
| Z 1409.00:00:00 | 1410.00:00:00 | 1.5 | 304.00 | 3.1 | 0.78251 |
| Z 1410.00:00:00 | 1411.00:00:00 | 1.5 | 306.00 | 3.1 | 0.90374 |
| Z 1411.00:00:00 | 1412.00:00:00 | 1.5 | 308.00 | 3.1 | 0.90374 |
| Z 1412.00:00:00 | 1413.00:00:00 | 1.5 | 310.00 | 3.1 | 0.90374 |
| Z 1413.00:00:00 | 1414.00:00:00 | 1.5 | 312.00 | 3.1 | 0.90374 |
| Z 1414.00:00:00 | 1415.00:00:00 | 1.5 | 314.00 | 3.1 | 0.90374 |
| Z 1415.00:00:00 | 1416.00:00:00 | 1.5 | 316.00 | 3.1 | 0.60617 |
| Z 1416.00:00:00 | 1417.00:00:00 | 1.5 | 318.00 | 3.1 | 0.60617 |
| Z 1417.00:00:00 | 1418.00:00:00 | 1.5 | 320.00 | 3.1 | 0.60617 |
| Z 1418.00:00:00 | 1419.00:00:00 | 1.5 | 322.00 | 3.1 | 0.60617 |
| Z 1419.00:00:00 | 1420.00:00:00 | 1.5 | 324.00 | 3.1 | 0.60617 |
| Z 1420.00:00:00 | 1421.00:00:00 | 1.5 | 326.00 | 3.1 | 0.60617 |
| Z 1421.00:00:00 | 1422.00:00:00 | 1.5 | 328.00 | 3.1 | 0.60617 |
| Z 1422.00:00:00 | 1423.00:00:00 | 1.5 | 330.00 | 3.1 | 0.60617 |
| Z 1423.00:00:00 | 1424.00:00:00 | 1.5 | 332.00 | 3.1 | 0.60617 |
| Z 1424.00:00:00 | 1425.00:00:00 | 1.5 | 334.00 | 3.1 | 0.60617 |
| Z 1425.00:00:00 | 1426.00:00:00 | 1.5 | 336.00 | 3.1 | 0.34166 |

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| Z 1426.00:00:00 | 1427.00:00:00 | 1.5 | 338.00 | 3.1 | 0.34166 |
| Z 1427.00:00:00 | 1428.00:00:00 | 1.5 | 340.00 | 3.1 | 0.34166 |
| Z 1428.00:00:00 | 1429.00:00:00 | 1.5 | 342.00 | 3.1 | 0.34166 |
| Z 1429.00:00:00 | 1430.00:00:00 | 1.5 | 344.00 | 3.1 | 0.34166 |
| Z 1430.00:00:00 | 1431.00:00:00 | 1.5 | 346.00 | 3.1 | 0.36370 |
| Z 1431.00:00:00 | 1432.00:00:00 | 1.5 | 348.00 | 3.1 | 0.36370 |
| Z 1432.00:00:00 | 1433.00:00:00 | 1.5 | 350.00 | 3.1 | 0.36370 |
| Z 1433.00:00:00 | 1434.00:00:00 | 1.5 | 352.00 | 3.1 | 0.36370 |
| Z 1434.00:00:00 | 1435.00:00:00 | 1.5 | 354.00 | 3.1 | 0.36370 |
| Z 1435.00:00:00 | 1436.00:00:00 | 1.5 | 356.00 | 3.1 | 0.34166 |
| Z 1436.00:00:00 | 1437.00:00:00 | 1.5 | 358.00 | 3.1 | 0.34166 |
| Z 1437.00:00:00 | 1438.00:00:00 | 1.5 | 360.00 | 3.1 | 0.34166 |
| Z 1438.00:00:00 | 1439.00:00:00 | 1.5 | 362.00 | 3.1 | 0.34166 |
| Z 1439.00:00:00 | 1440.00:00:00 | 1.5 | 364.00 | 3.1 | 0.34166 |
| Z 1440.00:00:00 | 1441.00:00:00 | 2.0 | 6.00   | 3.1 | 0.89272 |
| Z 1441.00:00:00 | 1442.00:00:00 | 2.0 | 8.00   | 3.1 | 0.89272 |
| Z 1442.00:00:00 | 1443.00:00:00 | 2.0 | 10.00  | 3.1 | 0.89272 |
| Z 1443.00:00:00 | 1444.00:00:00 | 2.0 | 12.00  | 3.1 | 0.89272 |
| Z 1444.00:00:00 | 1445.00:00:00 | 2.0 | 14.00  | 3.1 | 0.89272 |
| Z 1445.00:00:00 | 1446.00:00:00 | 2.0 | 16.00  | 3.1 | 0.92578 |
| Z 1446.00:00:00 | 1447.00:00:00 | 2.0 | 18.00  | 3.1 | 0.92578 |
| Z 1447.00:00:00 | 1448.00:00:00 | 2.0 | 20.00  | 3.1 | 0.92578 |
| Z 1448.00:00:00 | 1449.00:00:00 | 2.0 | 22.00  | 3.1 | 0.92578 |
| Z 1449.00:00:00 | 1450.00:00:00 | 2.0 | 24.00  | 3.1 | 0.92578 |
| Z 1450.00:00:00 | 1451.00:00:00 | 2.0 | 26.00  | 3.1 | 1.26744 |
| Z 1451.00:00:00 | 1452.00:00:00 | 2.0 | 28.00  | 3.1 | 1.26744 |
| Z 1452.00:00:00 | 1453.00:00:00 | 2.0 | 30.00  | 3.1 | 1.26744 |
| Z 1453.00:00:00 | 1454.00:00:00 | 2.0 | 32.00  | 3.1 | 1.26744 |
| Z 1454.00:00:00 | 1455.00:00:00 | 2.0 | 34.00  | 3.1 | 1.26744 |
| Z 1455.00:00:00 | 1456.00:00:00 | 2.0 | 36.00  | 3.1 | 1.45480 |
| Z 1456.00:00:00 | 1457.00:00:00 | 2.0 | 38.00  | 3.1 | 1.45480 |
| Z 1457.00:00:00 | 1458.00:00:00 | 2.0 | 40.00  | 3.1 | 1.45480 |
| Z 1458.00:00:00 | 1459.00:00:00 | 2.0 | 42.00  | 3.1 | 1.45480 |
| Z 1459.00:00:00 | 1460.00:00:00 | 2.0 | 44.00  | 3.1 | 1.45480 |
| Z 1460.00:00:00 | 1461.00:00:00 | 2.0 | 46.00  | 3.1 | 1.60910 |
| Z 1461.00:00:00 | 1462.00:00:00 | 2.0 | 48.00  | 3.1 | 1.60910 |
| Z 1462.00:00:00 | 1463.00:00:00 | 2.0 | 50.00  | 3.1 | 1.60910 |
| Z 1463.00:00:00 | 1464.00:00:00 | 2.0 | 52.00  | 3.1 | 1.60910 |
| Z 1464.00:00:00 | 1465.00:00:00 | 2.0 | 54.00  | 3.1 | 1.60910 |
| Z 1465.00:00:00 | 1466.00:00:00 | 2.0 | 56.00  | 3.1 | 1.90667 |
| Z 1466.00:00:00 | 1467.00:00:00 | 2.0 | 58.00  | 3.1 | 1.90667 |
| Z 1467.00:00:00 | 1468.00:00:00 | 2.0 | 60.00  | 3.1 | 1.90667 |
| Z 1468.00:00:00 | 1469.00:00:00 | 2.0 | 62.00  | 3.1 | 1.90667 |
| Z 1469.00:00:00 | 1470.00:00:00 | 2.0 | 64.00  | 3.1 | 1.90667 |
| Z 1470.00:00:00 | 1471.00:00:00 | 2.0 | 66.00  | 3.1 | 2.49079 |
| Z 1471.00:00:00 | 1472.00:00:00 | 2.0 | 68.00  | 3.1 | 2.49079 |
| Z 1472.00:00:00 | 1473.00:00:00 | 2.0 | 70.00  | 3.1 | 2.49079 |
| Z 1473.00:00:00 | 1474.00:00:00 | 2.0 | 72.00  | 3.1 | 2.49079 |
| Z 1474.00:00:00 | 1475.00:00:00 | 2.0 | 74.00  | 3.1 | 2.49079 |
| Z 1475.00:00:00 | 1476.00:00:00 | 2.0 | 76.00  | 3.1 | 1.84054 |
| Z 1476.00:00:00 | 1477.00:00:00 | 2.0 | 78.00  | 3.1 | 1.84054 |
| Z 1477.00:00:00 | 1478.00:00:00 | 2.0 | 80.00  | 3.1 | 1.84054 |
| Z 1478.00:00:00 | 1479.00:00:00 | 2.0 | 82.00  | 3.1 | 1.84054 |
| Z 1479.00:00:00 | 1480.00:00:00 | 2.0 | 84.00  | 3.1 | 1.84054 |
| Z 1480.00:00:00 | 1481.00:00:00 | 2.0 | 86.00  | 3.1 | 1.27846 |
| Z 1481.00:00:00 | 1482.00:00:00 | 2.0 | 88.00  | 3.1 | 1.27846 |
| Z 1482.00:00:00 | 1483.00:00:00 | 2.0 | 90.00  | 3.1 | 1.27846 |
| Z 1483.00:00:00 | 1484.00:00:00 | 2.0 | 92.00  | 3.1 | 1.27846 |
| Z 1484.00:00:00 | 1485.00:00:00 | 2.0 | 94.00  | 3.1 | 1.27846 |
| Z 1485.00:00:00 | 1486.00:00:00 | 2.0 | 96.00  | 3.1 | 1.46582 |
| Z 1486.00:00:00 | 1487.00:00:00 | 2.0 | 98.00  | 3.1 | 1.46582 |

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| Z 1487.00:00:00 | 1488.00:00:00 | 2.0 | 100.00 | 3.1 | 1.46582 |
| Z 1488.00:00:00 | 1489.00:00:00 | 2.0 | 102.00 | 3.1 | 1.46582 |
| Z 1489.00:00:00 | 1490.00:00:00 | 2.0 | 104.00 | 3.1 | 1.46582 |
| Z 1490.00:00:00 | 1491.00:00:00 | 2.0 | 106.00 | 3.1 | 2.23731 |
| Z 1491.00:00:00 | 1492.00:00:00 | 2.0 | 108.00 | 3.1 | 2.23731 |
| Z 1492.00:00:00 | 1493.00:00:00 | 2.0 | 110.00 | 3.1 | 2.23731 |
| Z 1493.00:00:00 | 1494.00:00:00 | 2.0 | 112.00 | 3.1 | 2.23731 |
| Z 1494.00:00:00 | 1495.00:00:00 | 2.0 | 114.00 | 3.1 | 2.23731 |
| Z 1495.00:00:00 | 1496.00:00:00 | 2.0 | 116.00 | 3.1 | 2.55692 |
| Z 1496.00:00:00 | 1497.00:00:00 | 2.0 | 118.00 | 3.1 | 2.55692 |
| Z 1497.00:00:00 | 1498.00:00:00 | 2.0 | 120.00 | 3.1 | 2.55692 |
| Z 1498.00:00:00 | 1499.00:00:00 | 2.0 | 122.00 | 3.1 | 2.55692 |
| Z 1499.00:00:00 | 1500.00:00:00 | 2.0 | 124.00 | 3.1 | 2.55692 |
| Z 1500.00:00:00 | 1501.00:00:00 | 2.0 | 126.00 | 3.1 | 2.66713 |
| Z 1501.00:00:00 | 1502.00:00:00 | 2.0 | 128.00 | 3.1 | 2.66713 |
| Z 1502.00:00:00 | 1503.00:00:00 | 2.0 | 130.00 | 3.1 | 2.66713 |
| Z 1503.00:00:00 | 1504.00:00:00 | 2.0 | 132.00 | 3.1 | 2.66713 |
| Z 1504.00:00:00 | 1505.00:00:00 | 2.0 | 134.00 | 3.1 | 2.66713 |
| Z 1505.00:00:00 | 1506.00:00:00 | 2.0 | 136.00 | 3.1 | 2.66713 |
| Z 1506.00:00:00 | 1507.00:00:00 | 2.0 | 138.00 | 3.1 | 2.66713 |
| Z 1507.00:00:00 | 1508.00:00:00 | 2.0 | 140.00 | 3.1 | 2.66713 |
| Z 1508.00:00:00 | 1509.00:00:00 | 2.0 | 142.00 | 3.1 | 2.66713 |
| Z 1509.00:00:00 | 1510.00:00:00 | 2.0 | 144.00 | 3.1 | 2.66713 |
| Z 1510.00:00:00 | 1511.00:00:00 | 2.0 | 146.00 | 3.1 | 3.13002 |
| Z 1511.00:00:00 | 1512.00:00:00 | 2.0 | 148.00 | 3.1 | 3.13002 |
| Z 1512.00:00:00 | 1513.00:00:00 | 2.0 | 150.00 | 3.1 | 3.13002 |
| Z 1513.00:00:00 | 1514.00:00:00 | 2.0 | 152.00 | 3.1 | 3.13002 |
| Z 1514.00:00:00 | 1515.00:00:00 | 2.0 | 154.00 | 3.1 | 3.13002 |
| Z 1515.00:00:00 | 1516.00:00:00 | 2.0 | 156.00 | 3.1 | 3.32841 |
| Z 1516.00:00:00 | 1517.00:00:00 | 2.0 | 158.00 | 3.1 | 3.32841 |
| Z 1517.00:00:00 | 1518.00:00:00 | 2.0 | 160.00 | 3.1 | 3.32841 |
| Z 1518.00:00:00 | 1519.00:00:00 | 2.0 | 162.00 | 3.1 | 3.32841 |
| Z 1519.00:00:00 | 1520.00:00:00 | 2.0 | 164.00 | 3.1 | 3.32841 |
| Z 1520.00:00:00 | 1521.00:00:00 | 2.0 | 166.00 | 3.1 | 2.55692 |
| Z 1521.00:00:00 | 1522.00:00:00 | 2.0 | 168.00 | 3.1 | 2.55692 |
| Z 1522.00:00:00 | 1523.00:00:00 | 2.0 | 170.00 | 3.1 | 2.55692 |
| Z 1523.00:00:00 | 1524.00:00:00 | 2.0 | 172.00 | 3.1 | 2.55692 |
| Z 1524.00:00:00 | 1525.00:00:00 | 2.0 | 174.00 | 3.1 | 2.55692 |
| Z 1525.00:00:00 | 1526.00:00:00 | 2.0 | 176.00 | 3.1 | 2.27037 |
| Z 1526.00:00:00 | 1527.00:00:00 | 2.0 | 178.00 | 3.1 | 2.27037 |
| Z 1527.00:00:00 | 1528.00:00:00 | 2.0 | 180.00 | 3.1 | 2.27037 |
| Z 1528.00:00:00 | 1529.00:00:00 | 2.0 | 182.00 | 3.1 | 2.27037 |
| Z 1529.00:00:00 | 1530.00:00:00 | 2.0 | 184.00 | 3.1 | 2.27037 |
| Z 1530.00:00:00 | 1531.00:00:00 | 2.0 | 186.00 | 3.1 | 2.30343 |
| Z 1531.00:00:00 | 1532.00:00:00 | 2.0 | 188.00 | 3.1 | 2.30343 |
| Z 1532.00:00:00 | 1533.00:00:00 | 2.0 | 190.00 | 3.1 | 2.30343 |
| Z 1533.00:00:00 | 1534.00:00:00 | 2.0 | 192.00 | 3.1 | 2.30343 |
| Z 1534.00:00:00 | 1535.00:00:00 | 2.0 | 194.00 | 3.1 | 2.30343 |
| Z 1535.00:00:00 | 1536.00:00:00 | 2.0 | 196.00 | 3.1 | 1.76339 |
| Z 1536.00:00:00 | 1537.00:00:00 | 2.0 | 198.00 | 3.1 | 1.76339 |
| Z 1537.00:00:00 | 1538.00:00:00 | 2.0 | 200.00 | 3.1 | 1.76339 |
| Z 1538.00:00:00 | 1539.00:00:00 | 2.0 | 202.00 | 3.1 | 1.76339 |
| Z 1539.00:00:00 | 1540.00:00:00 | 2.0 | 204.00 | 3.1 | 1.76339 |
| Z 1540.00:00:00 | 1541.00:00:00 | 2.0 | 206.00 | 3.1 | 2.12709 |
| Z 1541.00:00:00 | 1542.00:00:00 | 2.0 | 208.00 | 3.1 | 2.12709 |
| Z 1542.00:00:00 | 1543.00:00:00 | 2.0 | 210.00 | 3.1 | 2.12709 |
| Z 1543.00:00:00 | 1544.00:00:00 | 2.0 | 212.00 | 3.1 | 2.12709 |
| Z 1544.00:00:00 | 1545.00:00:00 | 2.0 | 214.00 | 3.1 | 2.12709 |
| Z 1545.00:00:00 | 1546.00:00:00 | 2.0 | 216.00 | 3.1 | 2.04995 |
| Z 1546.00:00:00 | 1547.00:00:00 | 2.0 | 218.00 | 3.1 | 2.04995 |
| Z 1547.00:00:00 | 1548.00:00:00 | 2.0 | 220.00 | 3.1 | 2.04995 |

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| Z 1548.00:00:00 | 1549.00:00:00 | 2.0 | 222.00 | 3.1 | 2.04995 |
| Z 1549.00:00:00 | 1550.00:00:00 | 2.0 | 224.00 | 3.1 | 2.04995 |
| Z 1550.00:00:00 | 1551.00:00:00 | 2.0 | 226.00 | 3.1 | 1.87361 |
| Z 1551.00:00:00 | 1552.00:00:00 | 2.0 | 228.00 | 3.1 | 1.87361 |
| Z 1552.00:00:00 | 1553.00:00:00 | 2.0 | 230.00 | 3.1 | 1.87361 |
| Z 1553.00:00:00 | 1554.00:00:00 | 2.0 | 232.00 | 3.1 | 1.87361 |
| Z 1554.00:00:00 | 1555.00:00:00 | 2.0 | 234.00 | 3.1 | 1.87361 |
| Z 1555.00:00:00 | 1556.00:00:00 | 2.0 | 236.00 | 3.1 | 1.71931 |
| Z 1556.00:00:00 | 1557.00:00:00 | 2.0 | 238.00 | 3.1 | 1.71931 |
| Z 1557.00:00:00 | 1558.00:00:00 | 2.0 | 240.00 | 3.1 | 1.71931 |
| Z 1558.00:00:00 | 1559.00:00:00 | 2.0 | 242.00 | 3.1 | 1.71931 |
| Z 1559.00:00:00 | 1560.00:00:00 | 2.0 | 244.00 | 3.1 | 1.71931 |
| Z 1560.00:00:00 | 1561.00:00:00 | 2.0 | 246.00 | 3.1 | 1.63114 |
| Z 1561.00:00:00 | 1562.00:00:00 | 2.0 | 248.00 | 3.1 | 1.63114 |
| Z 1562.00:00:00 | 1563.00:00:00 | 2.0 | 250.00 | 3.1 | 1.63114 |
| Z 1563.00:00:00 | 1564.00:00:00 | 2.0 | 252.00 | 3.1 | 1.63114 |
| Z 1564.00:00:00 | 1565.00:00:00 | 2.0 | 254.00 | 3.1 | 1.63114 |
| Z 1565.00:00:00 | 1566.00:00:00 | 2.0 | 256.00 | 3.1 | 1.79646 |
| Z 1566.00:00:00 | 1567.00:00:00 | 2.0 | 258.00 | 3.1 | 1.79646 |
| Z 1567.00:00:00 | 1568.00:00:00 | 2.0 | 260.00 | 3.1 | 1.79646 |
| Z 1568.00:00:00 | 1569.00:00:00 | 2.0 | 262.00 | 3.1 | 1.79646 |
| Z 1569.00:00:00 | 1570.00:00:00 | 2.0 | 264.00 | 3.1 | 1.79646 |
| Z 1570.00:00:00 | 1571.00:00:00 | 2.0 | 266.00 | 3.1 | 2.21526 |
| Z 1571.00:00:00 | 1572.00:00:00 | 2.0 | 268.00 | 3.1 | 2.21526 |
| Z 1572.00:00:00 | 1573.00:00:00 | 2.0 | 270.00 | 3.1 | 2.21526 |
| Z 1573.00:00:00 | 1574.00:00:00 | 2.0 | 272.00 | 3.1 | 2.21526 |
| Z 1574.00:00:00 | 1575.00:00:00 | 2.0 | 274.00 | 3.1 | 2.21526 |
| Z 1575.00:00:00 | 1576.00:00:00 | 2.0 | 276.00 | 3.1 | 2.53488 |
| Z 1576.00:00:00 | 1577.00:00:00 | 2.0 | 278.00 | 3.1 | 2.53488 |
| Z 1577.00:00:00 | 1578.00:00:00 | 2.0 | 280.00 | 3.1 | 2.53488 |
| Z 1578.00:00:00 | 1579.00:00:00 | 2.0 | 282.00 | 3.1 | 2.53488 |
| Z 1579.00:00:00 | 1580.00:00:00 | 2.0 | 284.00 | 3.1 | 2.53488 |
| Z 1580.00:00:00 | 1581.00:00:00 | 2.0 | 286.00 | 3.1 | 3.28432 |
| Z 1581.00:00:00 | 1582.00:00:00 | 2.0 | 288.00 | 3.1 | 3.28432 |
| Z 1582.00:00:00 | 1583.00:00:00 | 2.0 | 290.00 | 3.1 | 3.28432 |
| Z 1583.00:00:00 | 1584.00:00:00 | 2.0 | 292.00 | 3.1 | 3.28432 |
| Z 1584.00:00:00 | 1585.00:00:00 | 2.0 | 294.00 | 3.1 | 3.28432 |
| Z 1585.00:00:00 | 1586.00:00:00 | 2.0 | 296.00 | 3.1 | 3.19615 |
| Z 1586.00:00:00 | 1587.00:00:00 | 2.0 | 298.00 | 3.1 | 3.19615 |
| Z 1587.00:00:00 | 1588.00:00:00 | 2.0 | 300.00 | 3.1 | 3.19615 |
| Z 1588.00:00:00 | 1589.00:00:00 | 2.0 | 302.00 | 3.1 | 3.19615 |
| Z 1589.00:00:00 | 1590.00:00:00 | 2.0 | 304.00 | 3.1 | 3.19615 |
| Z 1590.00:00:00 | 1591.00:00:00 | 2.0 | 306.00 | 3.1 | 2.87654 |
| Z 1591.00:00:00 | 1592.00:00:00 | 2.0 | 308.00 | 3.1 | 2.87654 |
| Z 1592.00:00:00 | 1593.00:00:00 | 2.0 | 310.00 | 3.1 | 2.87654 |
| Z 1593.00:00:00 | 1594.00:00:00 | 2.0 | 312.00 | 3.1 | 2.87654 |
| Z 1594.00:00:00 | 1595.00:00:00 | 2.0 | 314.00 | 3.1 | 2.87654 |
| Z 1595.00:00:00 | 1596.00:00:00 | 2.0 | 316.00 | 3.1 | 2.03892 |
| Z 1596.00:00:00 | 1597.00:00:00 | 2.0 | 318.00 | 3.1 | 2.03892 |
| Z 1597.00:00:00 | 1598.00:00:00 | 2.0 | 320.00 | 3.1 | 2.03892 |
| Z 1598.00:00:00 | 1599.00:00:00 | 2.0 | 322.00 | 3.1 | 2.03892 |
| Z 1599.00:00:00 | 1600.00:00:00 | 2.0 | 324.00 | 3.1 | 2.03892 |
| Z 1600.00:00:00 | 1601.00:00:00 | 2.0 | 326.00 | 3.1 | 1.48786 |
| Z 1601.00:00:00 | 1602.00:00:00 | 2.0 | 328.00 | 3.1 | 1.48786 |
| Z 1602.00:00:00 | 1603.00:00:00 | 2.0 | 330.00 | 3.1 | 1.48786 |
| Z 1603.00:00:00 | 1604.00:00:00 | 2.0 | 332.00 | 3.1 | 1.48786 |
| Z 1604.00:00:00 | 1605.00:00:00 | 2.0 | 334.00 | 3.1 | 1.48786 |
| Z 1605.00:00:00 | 1606.00:00:00 | 2.0 | 336.00 | 3.1 | 1.24540 |
| Z 1606.00:00:00 | 1607.00:00:00 | 2.0 | 338.00 | 3.1 | 1.24540 |
| Z 1607.00:00:00 | 1608.00:00:00 | 2.0 | 340.00 | 3.1 | 1.24540 |
| Z 1608.00:00:00 | 1609.00:00:00 | 2.0 | 342.00 | 3.1 | 1.24540 |

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| Z 1609.00:00:00 | 1610.00:00:00 | 2.0 | 344.00 | 3.1 | 1.24540 |
| Z 1610.00:00:00 | 1611.00:00:00 | 2.0 | 346.00 | 3.1 | 0.92578 |
| Z 1611.00:00:00 | 1612.00:00:00 | 2.0 | 348.00 | 3.1 | 0.92578 |
| Z 1612.00:00:00 | 1613.00:00:00 | 2.0 | 350.00 | 3.1 | 0.92578 |
| Z 1613.00:00:00 | 1614.00:00:00 | 2.0 | 352.00 | 3.1 | 0.92578 |
| Z 1614.00:00:00 | 1615.00:00:00 | 2.0 | 354.00 | 3.1 | 0.92578 |
| Z 1615.00:00:00 | 1616.00:00:00 | 2.0 | 356.00 | 3.1 | 0.99191 |
| Z 1616.00:00:00 | 1617.00:00:00 | 2.0 | 358.00 | 3.1 | 0.99191 |
| Z 1617.00:00:00 | 1618.00:00:00 | 2.0 | 360.00 | 3.1 | 0.99191 |
| Z 1618.00:00:00 | 1619.00:00:00 | 2.0 | 362.00 | 3.1 | 0.99191 |
| Z 1619.00:00:00 | 1620.00:00:00 | 2.0 | 364.00 | 3.1 | 0.99191 |
| Z 1620.00:00:00 | 1621.00:00:00 | 3.0 | 6.00   | 3.1 | 2.49079 |
| Z 1621.00:00:00 | 1622.00:00:00 | 3.0 | 8.00   | 3.1 | 2.49079 |
| Z 1622.00:00:00 | 1623.00:00:00 | 3.0 | 10.00  | 3.1 | 2.49079 |
| Z 1623.00:00:00 | 1624.00:00:00 | 3.0 | 12.00  | 3.1 | 2.49079 |
| Z 1624.00:00:00 | 1625.00:00:00 | 3.0 | 14.00  | 3.1 | 2.49079 |
| Z 1625.00:00:00 | 1626.00:00:00 | 3.0 | 16.00  | 3.1 | 2.24833 |
| Z 1626.00:00:00 | 1627.00:00:00 | 3.0 | 18.00  | 3.1 | 2.24833 |
| Z 1627.00:00:00 | 1628.00:00:00 | 3.0 | 20.00  | 3.1 | 2.24833 |
| Z 1628.00:00:00 | 1629.00:00:00 | 3.0 | 22.00  | 3.1 | 2.24833 |
| Z 1629.00:00:00 | 1630.00:00:00 | 3.0 | 24.00  | 3.1 | 2.24833 |
| Z 1630.00:00:00 | 1631.00:00:00 | 3.0 | 26.00  | 3.1 | 2.85449 |
| Z 1631.00:00:00 | 1632.00:00:00 | 3.0 | 28.00  | 3.1 | 2.85449 |
| Z 1632.00:00:00 | 1633.00:00:00 | 3.0 | 30.00  | 3.1 | 2.85449 |
| Z 1633.00:00:00 | 1634.00:00:00 | 3.0 | 32.00  | 3.1 | 2.85449 |
| Z 1634.00:00:00 | 1635.00:00:00 | 3.0 | 34.00  | 3.1 | 2.85449 |
| Z 1635.00:00:00 | 1636.00:00:00 | 3.0 | 36.00  | 3.1 | 4.73912 |
| Z 1636.00:00:00 | 1637.00:00:00 | 3.0 | 38.00  | 3.1 | 4.73912 |
| Z 1637.00:00:00 | 1638.00:00:00 | 3.0 | 40.00  | 3.1 | 4.73912 |
| Z 1638.00:00:00 | 1639.00:00:00 | 3.0 | 42.00  | 3.1 | 4.73912 |
| Z 1639.00:00:00 | 1640.00:00:00 | 3.0 | 44.00  | 3.1 | 4.73912 |
| Z 1640.00:00:00 | 1641.00:00:00 | 3.0 | 46.00  | 3.1 | 7.96834 |
| Z 1641.00:00:00 | 1642.00:00:00 | 3.0 | 48.00  | 3.1 | 7.96834 |
| Z 1642.00:00:00 | 1643.00:00:00 | 3.0 | 50.00  | 3.1 | 7.96834 |
| Z 1643.00:00:00 | 1644.00:00:00 | 3.0 | 52.00  | 3.1 | 7.96834 |
| Z 1644.00:00:00 | 1645.00:00:00 | 3.0 | 54.00  | 3.1 | 7.96834 |
| Z 1645.00:00:00 | 1646.00:00:00 | 3.0 | 56.00  | 3.1 | 9.05944 |
| Z 1646.00:00:00 | 1647.00:00:00 | 3.0 | 58.00  | 3.1 | 9.05944 |
| Z 1647.00:00:00 | 1648.00:00:00 | 3.0 | 60.00  | 3.1 | 9.05944 |
| Z 1648.00:00:00 | 1649.00:00:00 | 3.0 | 62.00  | 3.1 | 9.05944 |
| Z 1649.00:00:00 | 1650.00:00:00 | 3.0 | 64.00  | 3.1 | 9.05944 |
| Z 1650.00:00:00 | 1651.00:00:00 | 3.0 | 66.00  | 3.1 | 8.65165 |
| Z 1651.00:00:00 | 1652.00:00:00 | 3.0 | 68.00  | 3.1 | 8.65165 |
| Z 1652.00:00:00 | 1653.00:00:00 | 3.0 | 70.00  | 3.1 | 8.65165 |
| Z 1653.00:00:00 | 1654.00:00:00 | 3.0 | 72.00  | 3.1 | 8.65165 |
| Z 1654.00:00:00 | 1655.00:00:00 | 3.0 | 74.00  | 3.1 | 8.65165 |
| Z 1655.00:00:00 | 1656.00:00:00 | 3.0 | 76.00  | 3.1 | 4.91546 |
| Z 1656.00:00:00 | 1657.00:00:00 | 3.0 | 78.00  | 3.1 | 4.91546 |
| Z 1657.00:00:00 | 1658.00:00:00 | 3.0 | 80.00  | 3.1 | 4.91546 |
| Z 1658.00:00:00 | 1659.00:00:00 | 3.0 | 82.00  | 3.1 | 4.91546 |
| Z 1659.00:00:00 | 1660.00:00:00 | 3.0 | 84.00  | 3.1 | 4.91546 |
| Z 1660.00:00:00 | 1661.00:00:00 | 3.0 | 86.00  | 3.1 | 3.73619 |
| Z 1661.00:00:00 | 1662.00:00:00 | 3.0 | 88.00  | 3.1 | 3.73619 |
| Z 1662.00:00:00 | 1663.00:00:00 | 3.0 | 90.00  | 3.1 | 3.73619 |
| Z 1663.00:00:00 | 1664.00:00:00 | 3.0 | 92.00  | 3.1 | 3.73619 |
| Z 1664.00:00:00 | 1665.00:00:00 | 3.0 | 94.00  | 3.1 | 3.73619 |
| Z 1665.00:00:00 | 1666.00:00:00 | 3.0 | 96.00  | 3.1 | 3.24024 |
| Z 1666.00:00:00 | 1667.00:00:00 | 3.0 | 98.00  | 3.1 | 3.24024 |
| Z 1667.00:00:00 | 1668.00:00:00 | 3.0 | 100.00 | 3.1 | 3.24024 |
| Z 1668.00:00:00 | 1669.00:00:00 | 3.0 | 102.00 | 3.1 | 3.24024 |
| Z 1669.00:00:00 | 1670.00:00:00 | 3.0 | 104.00 | 3.1 | 3.24024 |

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| Z 1670.00:00:00 | 1671.00:00:00 | 3.0 | 106.00 | 3.1 | 3.76925 |
| Z 1671.00:00:00 | 1672.00:00:00 | 3.0 | 108.00 | 3.1 | 3.76925 |
| Z 1672.00:00:00 | 1673.00:00:00 | 3.0 | 110.00 | 3.1 | 3.76925 |
| Z 1673.00:00:00 | 1674.00:00:00 | 3.0 | 112.00 | 3.1 | 3.76925 |
| Z 1674.00:00:00 | 1675.00:00:00 | 3.0 | 114.00 | 3.1 | 3.76925 |
| Z 1675.00:00:00 | 1676.00:00:00 | 3.0 | 116.00 | 3.1 | 5.27916 |
| Z 1676.00:00:00 | 1677.00:00:00 | 3.0 | 118.00 | 3.1 | 5.27916 |
| Z 1677.00:00:00 | 1678.00:00:00 | 3.0 | 120.00 | 3.1 | 5.27916 |
| Z 1678.00:00:00 | 1679.00:00:00 | 3.0 | 122.00 | 3.1 | 5.27916 |
| Z 1679.00:00:00 | 1680.00:00:00 | 3.0 | 124.00 | 3.1 | 5.27916 |
| Z 1680.00:00:00 | 1681.00:00:00 | 3.0 | 126.00 | 3.1 | 5.46652 |
| Z 1681.00:00:00 | 1682.00:00:00 | 3.0 | 128.00 | 3.1 | 5.46652 |
| Z 1682.00:00:00 | 1683.00:00:00 | 3.0 | 130.00 | 3.1 | 5.46652 |
| Z 1683.00:00:00 | 1684.00:00:00 | 3.0 | 132.00 | 3.1 | 5.46652 |
| Z 1684.00:00:00 | 1685.00:00:00 | 3.0 | 134.00 | 3.1 | 5.46652 |
| Z 1685.00:00:00 | 1686.00:00:00 | 3.0 | 136.00 | 3.1 | 4.86035 |
| Z 1686.00:00:00 | 1687.00:00:00 | 3.0 | 138.00 | 3.1 | 4.86035 |
| Z 1687.00:00:00 | 1688.00:00:00 | 3.0 | 140.00 | 3.1 | 4.86035 |
| Z 1688.00:00:00 | 1689.00:00:00 | 3.0 | 142.00 | 3.1 | 4.86035 |
| Z 1689.00:00:00 | 1690.00:00:00 | 3.0 | 144.00 | 3.1 | 4.86035 |
| Z 1690.00:00:00 | 1691.00:00:00 | 3.0 | 146.00 | 3.1 | 4.94852 |
| Z 1691.00:00:00 | 1692.00:00:00 | 3.0 | 148.00 | 3.1 | 4.94852 |
| Z 1692.00:00:00 | 1693.00:00:00 | 3.0 | 150.00 | 3.1 | 4.94852 |
| Z 1693.00:00:00 | 1694.00:00:00 | 3.0 | 152.00 | 3.1 | 4.94852 |
| Z 1694.00:00:00 | 1695.00:00:00 | 3.0 | 154.00 | 3.1 | 4.94852 |
| Z 1695.00:00:00 | 1696.00:00:00 | 3.0 | 156.00 | 3.1 | 5.59878 |
| Z 1696.00:00:00 | 1697.00:00:00 | 3.0 | 158.00 | 3.1 | 5.59878 |
| Z 1697.00:00:00 | 1698.00:00:00 | 3.0 | 160.00 | 3.1 | 5.59878 |
| Z 1698.00:00:00 | 1699.00:00:00 | 3.0 | 162.00 | 3.1 | 5.59878 |
| Z 1699.00:00:00 | 1700.00:00:00 | 3.0 | 164.00 | 3.1 | 5.59878 |
| Z 1700.00:00:00 | 1701.00:00:00 | 3.0 | 166.00 | 3.1 | 5.86329 |
| Z 1701.00:00:00 | 1702.00:00:00 | 3.0 | 168.00 | 3.1 | 5.86329 |
| Z 1702.00:00:00 | 1703.00:00:00 | 3.0 | 170.00 | 3.1 | 5.86329 |
| Z 1703.00:00:00 | 1704.00:00:00 | 3.0 | 172.00 | 3.1 | 5.86329 |
| Z 1704.00:00:00 | 1705.00:00:00 | 3.0 | 174.00 | 3.1 | 5.86329 |
| Z 1705.00:00:00 | 1706.00:00:00 | 3.0 | 176.00 | 3.1 | 6.37026 |
| Z 1706.00:00:00 | 1707.00:00:00 | 3.0 | 178.00 | 3.1 | 6.37026 |
| Z 1707.00:00:00 | 1708.00:00:00 | 3.0 | 180.00 | 3.1 | 6.37026 |
| Z 1708.00:00:00 | 1709.00:00:00 | 3.0 | 182.00 | 3.1 | 6.37026 |
| Z 1709.00:00:00 | 1710.00:00:00 | 3.0 | 184.00 | 3.1 | 6.37026 |
| Z 1710.00:00:00 | 1711.00:00:00 | 3.0 | 186.00 | 3.1 | 6.14984 |
| Z 1711.00:00:00 | 1712.00:00:00 | 3.0 | 188.00 | 3.1 | 6.14984 |
| Z 1712.00:00:00 | 1713.00:00:00 | 3.0 | 190.00 | 3.1 | 6.14984 |
| Z 1713.00:00:00 | 1714.00:00:00 | 3.0 | 192.00 | 3.1 | 6.14984 |
| Z 1714.00:00:00 | 1715.00:00:00 | 3.0 | 194.00 | 3.1 | 6.14984 |
| Z 1715.00:00:00 | 1716.00:00:00 | 3.0 | 196.00 | 3.1 | 6.40332 |
| Z 1716.00:00:00 | 1717.00:00:00 | 3.0 | 198.00 | 3.1 | 6.40332 |
| Z 1717.00:00:00 | 1718.00:00:00 | 3.0 | 200.00 | 3.1 | 6.40332 |
| Z 1718.00:00:00 | 1719.00:00:00 | 3.0 | 202.00 | 3.1 | 6.40332 |
| Z 1719.00:00:00 | 1720.00:00:00 | 3.0 | 204.00 | 3.1 | 6.40332 |
| Z 1720.00:00:00 | 1721.00:00:00 | 3.0 | 206.00 | 3.1 | 7.14175 |
| Z 1721.00:00:00 | 1722.00:00:00 | 3.0 | 208.00 | 3.1 | 7.14175 |
| Z 1722.00:00:00 | 1723.00:00:00 | 3.0 | 210.00 | 3.1 | 7.14175 |
| Z 1723.00:00:00 | 1724.00:00:00 | 3.0 | 212.00 | 3.1 | 7.14175 |
| Z 1724.00:00:00 | 1725.00:00:00 | 3.0 | 214.00 | 3.1 | 7.14175 |
| Z 1725.00:00:00 | 1726.00:00:00 | 3.0 | 216.00 | 3.1 | 7.72587 |
| Z 1726.00:00:00 | 1727.00:00:00 | 3.0 | 218.00 | 3.1 | 7.72587 |
| Z 1727.00:00:00 | 1728.00:00:00 | 3.0 | 220.00 | 3.1 | 7.72587 |
| Z 1728.00:00:00 | 1729.00:00:00 | 3.0 | 222.00 | 3.1 | 7.72587 |
| Z 1729.00:00:00 | 1730.00:00:00 | 3.0 | 224.00 | 3.1 | 7.72587 |
| Z 1730.00:00:00 | 1731.00:00:00 | 3.0 | 226.00 | 3.1 | 7.86915 |

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| Z 1731.00:00:00 | 1732.00:00:00 | 3.0 | 228.00 | 3.1 | 7.86915  |
| Z 1732.00:00:00 | 1733.00:00:00 | 3.0 | 230.00 | 3.1 | 7.86915  |
| Z 1733.00:00:00 | 1734.00:00:00 | 3.0 | 232.00 | 3.1 | 7.86915  |
| Z 1734.00:00:00 | 1735.00:00:00 | 3.0 | 234.00 | 3.1 | 7.86915  |
| Z 1735.00:00:00 | 1736.00:00:00 | 3.0 | 236.00 | 3.1 | 6.94336  |
| Z 1736.00:00:00 | 1737.00:00:00 | 3.0 | 238.00 | 3.1 | 6.94336  |
| Z 1737.00:00:00 | 1738.00:00:00 | 3.0 | 240.00 | 3.1 | 6.94336  |
| Z 1738.00:00:00 | 1739.00:00:00 | 3.0 | 242.00 | 3.1 | 6.94336  |
| Z 1739.00:00:00 | 1740.00:00:00 | 3.0 | 244.00 | 3.1 | 6.94336  |
| Z 1740.00:00:00 | 1741.00:00:00 | 3.0 | 246.00 | 3.1 | 6.44741  |
| Z 1741.00:00:00 | 1742.00:00:00 | 3.0 | 248.00 | 3.1 | 6.44741  |
| Z 1742.00:00:00 | 1743.00:00:00 | 3.0 | 250.00 | 3.1 | 6.44741  |
| Z 1743.00:00:00 | 1744.00:00:00 | 3.0 | 252.00 | 3.1 | 6.44741  |
| Z 1744.00:00:00 | 1745.00:00:00 | 3.0 | 254.00 | 3.1 | 6.44741  |
| Z 1745.00:00:00 | 1746.00:00:00 | 3.0 | 256.00 | 3.1 | 7.67076  |
| Z 1746.00:00:00 | 1747.00:00:00 | 3.0 | 258.00 | 3.1 | 7.67076  |
| Z 1747.00:00:00 | 1748.00:00:00 | 3.0 | 260.00 | 3.1 | 7.67076  |
| Z 1748.00:00:00 | 1749.00:00:00 | 3.0 | 262.00 | 3.1 | 7.67076  |
| Z 1749.00:00:00 | 1750.00:00:00 | 3.0 | 264.00 | 3.1 | 7.67076  |
| Z 1750.00:00:00 | 1751.00:00:00 | 3.0 | 266.00 | 3.1 | 9.27986  |
| Z 1751.00:00:00 | 1752.00:00:00 | 3.0 | 268.00 | 3.1 | 9.27986  |
| Z 1752.00:00:00 | 1753.00:00:00 | 3.0 | 270.00 | 3.1 | 9.27986  |
| Z 1753.00:00:00 | 1754.00:00:00 | 3.0 | 272.00 | 3.1 | 9.27986  |
| Z 1754.00:00:00 | 1755.00:00:00 | 3.0 | 274.00 | 3.1 | 9.27986  |
| Z 1755.00:00:00 | 1756.00:00:00 | 3.0 | 276.00 | 3.1 | 11.74861 |
| Z 1756.00:00:00 | 1757.00:00:00 | 3.0 | 278.00 | 3.1 | 11.74861 |
| Z 1757.00:00:00 | 1758.00:00:00 | 3.0 | 280.00 | 3.1 | 11.74861 |
| Z 1758.00:00:00 | 1759.00:00:00 | 3.0 | 282.00 | 3.1 | 11.74861 |
| Z 1759.00:00:00 | 1760.00:00:00 | 3.0 | 284.00 | 3.1 | 11.74861 |
| Z 1760.00:00:00 | 1761.00:00:00 | 3.0 | 286.00 | 3.1 | 13.24750 |
| Z 1761.00:00:00 | 1762.00:00:00 | 3.0 | 288.00 | 3.1 | 13.24750 |
| Z 1762.00:00:00 | 1763.00:00:00 | 3.0 | 290.00 | 3.1 | 13.24750 |
| Z 1763.00:00:00 | 1764.00:00:00 | 3.0 | 292.00 | 3.1 | 13.24750 |
| Z 1764.00:00:00 | 1765.00:00:00 | 3.0 | 294.00 | 3.1 | 13.24750 |
| Z 1765.00:00:00 | 1766.00:00:00 | 3.0 | 296.00 | 3.1 | 12.67439 |
| Z 1766.00:00:00 | 1767.00:00:00 | 3.0 | 298.00 | 3.1 | 12.67439 |
| Z 1767.00:00:00 | 1768.00:00:00 | 3.0 | 300.00 | 3.1 | 12.67439 |
| Z 1768.00:00:00 | 1769.00:00:00 | 3.0 | 302.00 | 3.1 | 12.67439 |
| Z 1769.00:00:00 | 1770.00:00:00 | 3.0 | 304.00 | 3.1 | 12.67439 |
| Z 1770.00:00:00 | 1771.00:00:00 | 3.0 | 306.00 | 3.1 | 8.65165  |
| Z 1771.00:00:00 | 1772.00:00:00 | 3.0 | 308.00 | 3.1 | 8.65165  |
| Z 1772.00:00:00 | 1773.00:00:00 | 3.0 | 310.00 | 3.1 | 8.65165  |
| Z 1773.00:00:00 | 1774.00:00:00 | 3.0 | 312.00 | 3.1 | 8.65165  |
| Z 1774.00:00:00 | 1775.00:00:00 | 3.0 | 314.00 | 3.1 | 8.65165  |
| Z 1775.00:00:00 | 1776.00:00:00 | 3.0 | 316.00 | 3.1 | 5.75307  |
| Z 1776.00:00:00 | 1777.00:00:00 | 3.0 | 318.00 | 3.1 | 5.75307  |
| Z 1777.00:00:00 | 1778.00:00:00 | 3.0 | 320.00 | 3.1 | 5.75307  |
| Z 1778.00:00:00 | 1779.00:00:00 | 3.0 | 322.00 | 3.1 | 5.75307  |
| Z 1779.00:00:00 | 1780.00:00:00 | 3.0 | 324.00 | 3.1 | 5.75307  |
| Z 1780.00:00:00 | 1781.00:00:00 | 3.0 | 326.00 | 3.1 | 3.91253  |
| Z 1781.00:00:00 | 1782.00:00:00 | 3.0 | 328.00 | 3.1 | 3.91253  |
| Z 1782.00:00:00 | 1783.00:00:00 | 3.0 | 330.00 | 3.1 | 3.91253  |
| Z 1783.00:00:00 | 1784.00:00:00 | 3.0 | 332.00 | 3.1 | 3.91253  |
| Z 1784.00:00:00 | 1785.00:00:00 | 3.0 | 334.00 | 3.1 | 3.91253  |
| Z 1785.00:00:00 | 1786.00:00:00 | 3.0 | 336.00 | 3.1 | 3.31739  |
| Z 1786.00:00:00 | 1787.00:00:00 | 3.0 | 338.00 | 3.1 | 3.31739  |
| Z 1787.00:00:00 | 1788.00:00:00 | 3.0 | 340.00 | 3.1 | 3.31739  |
| Z 1788.00:00:00 | 1789.00:00:00 | 3.0 | 342.00 | 3.1 | 3.31739  |
| Z 1789.00:00:00 | 1790.00:00:00 | 3.0 | 344.00 | 3.1 | 3.31739  |
| Z 1790.00:00:00 | 1791.00:00:00 | 3.0 | 346.00 | 3.1 | 2.30343  |
| Z 1791.00:00:00 | 1792.00:00:00 | 3.0 | 348.00 | 3.1 | 2.30343  |

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| Z 1792.00:00:00 | 1793.00:00:00 | 3.0 | 350.00 | 3.1 | 2.30343 |
| Z 1793.00:00:00 | 1794.00:00:00 | 3.0 | 352.00 | 3.1 | 2.30343 |
| Z 1794.00:00:00 | 1795.00:00:00 | 3.0 | 354.00 | 3.1 | 2.30343 |
| Z 1795.00:00:00 | 1796.00:00:00 | 3.0 | 356.00 | 3.1 | 2.01688 |
| Z 1796.00:00:00 | 1797.00:00:00 | 3.0 | 358.00 | 3.1 | 2.01688 |
| Z 1797.00:00:00 | 1798.00:00:00 | 3.0 | 360.00 | 3.1 | 2.01688 |
| Z 1798.00:00:00 | 1799.00:00:00 | 3.0 | 362.00 | 3.1 | 2.01688 |
| Z 1799.00:00:00 | 1800.00:00:00 | 3.0 | 364.00 | 3.1 | 2.01688 |
| Z 1800.00:00:00 | 1801.00:00:00 | 4.5 | 6.00   | 3.1 | 1.12416 |
| Z 1801.00:00:00 | 1802.00:00:00 | 4.5 | 8.00   | 3.1 | 1.12416 |
| Z 1802.00:00:00 | 1803.00:00:00 | 4.5 | 10.00  | 3.1 | 1.12416 |
| Z 1803.00:00:00 | 1804.00:00:00 | 4.5 | 12.00  | 3.1 | 1.12416 |
| Z 1804.00:00:00 | 1805.00:00:00 | 4.5 | 14.00  | 3.1 | 1.12416 |
| Z 1805.00:00:00 | 1806.00:00:00 | 4.5 | 16.00  | 3.1 | 0.81557 |
| Z 1806.00:00:00 | 1807.00:00:00 | 4.5 | 18.00  | 3.1 | 0.81557 |
| Z 1807.00:00:00 | 1808.00:00:00 | 4.5 | 20.00  | 3.1 | 0.81557 |
| Z 1808.00:00:00 | 1809.00:00:00 | 4.5 | 22.00  | 3.1 | 0.81557 |
| Z 1809.00:00:00 | 1810.00:00:00 | 4.5 | 24.00  | 3.1 | 0.81557 |
| Z 1810.00:00:00 | 1811.00:00:00 | 4.5 | 26.00  | 3.1 | 1.22335 |
| Z 1811.00:00:00 | 1812.00:00:00 | 4.5 | 28.00  | 3.1 | 1.22335 |
| Z 1812.00:00:00 | 1813.00:00:00 | 4.5 | 30.00  | 3.1 | 1.22335 |
| Z 1813.00:00:00 | 1814.00:00:00 | 4.5 | 32.00  | 3.1 | 1.22335 |
| Z 1814.00:00:00 | 1815.00:00:00 | 4.5 | 34.00  | 3.1 | 1.22335 |
| Z 1815.00:00:00 | 1816.00:00:00 | 4.5 | 36.00  | 3.1 | 2.47977 |
| Z 1816.00:00:00 | 1817.00:00:00 | 4.5 | 38.00  | 3.1 | 2.47977 |
| Z 1817.00:00:00 | 1818.00:00:00 | 4.5 | 40.00  | 3.1 | 2.47977 |
| Z 1818.00:00:00 | 1819.00:00:00 | 4.5 | 42.00  | 3.1 | 2.47977 |
| Z 1819.00:00:00 | 1820.00:00:00 | 4.5 | 44.00  | 3.1 | 2.47977 |
| Z 1820.00:00:00 | 1821.00:00:00 | 4.5 | 46.00  | 3.1 | 4.09989 |
| Z 1821.00:00:00 | 1822.00:00:00 | 4.5 | 48.00  | 3.1 | 4.09989 |
| Z 1822.00:00:00 | 1823.00:00:00 | 4.5 | 50.00  | 3.1 | 4.09989 |
| Z 1823.00:00:00 | 1824.00:00:00 | 4.5 | 52.00  | 3.1 | 4.09989 |
| Z 1824.00:00:00 | 1825.00:00:00 | 4.5 | 54.00  | 3.1 | 4.09989 |
| Z 1825.00:00:00 | 1826.00:00:00 | 4.5 | 56.00  | 3.1 | 5.91839 |
| Z 1826.00:00:00 | 1827.00:00:00 | 4.5 | 58.00  | 3.1 | 5.91839 |
| Z 1827.00:00:00 | 1828.00:00:00 | 4.5 | 60.00  | 3.1 | 5.91839 |
| Z 1828.00:00:00 | 1829.00:00:00 | 4.5 | 62.00  | 3.1 | 5.91839 |
| Z 1829.00:00:00 | 1830.00:00:00 | 4.5 | 64.00  | 3.1 | 5.91839 |
| Z 1830.00:00:00 | 1831.00:00:00 | 4.5 | 66.00  | 3.1 | 5.54367 |
| Z 1831.00:00:00 | 1832.00:00:00 | 4.5 | 68.00  | 3.1 | 5.54367 |
| Z 1832.00:00:00 | 1833.00:00:00 | 4.5 | 70.00  | 3.1 | 5.54367 |
| Z 1833.00:00:00 | 1834.00:00:00 | 4.5 | 72.00  | 3.1 | 5.54367 |
| Z 1834.00:00:00 | 1835.00:00:00 | 4.5 | 74.00  | 3.1 | 5.54367 |
| Z 1835.00:00:00 | 1836.00:00:00 | 4.5 | 76.00  | 3.1 | 4.17704 |
| Z 1836.00:00:00 | 1837.00:00:00 | 4.5 | 78.00  | 3.1 | 4.17704 |
| Z 1837.00:00:00 | 1838.00:00:00 | 4.5 | 80.00  | 3.1 | 4.17704 |
| Z 1838.00:00:00 | 1839.00:00:00 | 4.5 | 82.00  | 3.1 | 4.17704 |
| Z 1839.00:00:00 | 1840.00:00:00 | 4.5 | 84.00  | 3.1 | 4.17704 |
| Z 1840.00:00:00 | 1841.00:00:00 | 4.5 | 86.00  | 3.1 | 1.69727 |
| Z 1841.00:00:00 | 1842.00:00:00 | 4.5 | 88.00  | 3.1 | 1.69727 |
| Z 1842.00:00:00 | 1843.00:00:00 | 4.5 | 90.00  | 3.1 | 1.69727 |
| Z 1843.00:00:00 | 1844.00:00:00 | 4.5 | 92.00  | 3.1 | 1.69727 |
| Z 1844.00:00:00 | 1845.00:00:00 | 4.5 | 94.00  | 3.1 | 1.69727 |
| Z 1845.00:00:00 | 1846.00:00:00 | 4.5 | 96.00  | 3.1 | 1.42174 |
| Z 1846.00:00:00 | 1847.00:00:00 | 4.5 | 98.00  | 3.1 | 1.42174 |
| Z 1847.00:00:00 | 1848.00:00:00 | 4.5 | 100.00 | 3.1 | 1.42174 |
| Z 1848.00:00:00 | 1849.00:00:00 | 4.5 | 102.00 | 3.1 | 1.42174 |
| Z 1849.00:00:00 | 1850.00:00:00 | 4.5 | 104.00 | 3.1 | 1.42174 |
| Z 1850.00:00:00 | 1851.00:00:00 | 4.5 | 106.00 | 3.1 | 1.13518 |
| Z 1851.00:00:00 | 1852.00:00:00 | 4.5 | 108.00 | 3.1 | 1.13518 |
| Z 1852.00:00:00 | 1853.00:00:00 | 4.5 | 110.00 | 3.1 | 1.13518 |

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| Z 1853.00:00:00 | 1854.00:00:00 | 4.5 | 112.00 | 3.1 | 1.13518 |
| Z 1854.00:00:00 | 1855.00:00:00 | 4.5 | 114.00 | 3.1 | 1.13518 |
| Z 1855.00:00:00 | 1856.00:00:00 | 4.5 | 116.00 | 3.1 | 1.53195 |
| Z 1856.00:00:00 | 1857.00:00:00 | 4.5 | 118.00 | 3.1 | 1.53195 |
| Z 1857.00:00:00 | 1858.00:00:00 | 4.5 | 120.00 | 3.1 | 1.53195 |
| Z 1858.00:00:00 | 1859.00:00:00 | 4.5 | 122.00 | 3.1 | 1.53195 |
| Z 1859.00:00:00 | 1860.00:00:00 | 4.5 | 124.00 | 3.1 | 1.53195 |
| Z 1860.00:00:00 | 1861.00:00:00 | 4.5 | 126.00 | 3.1 | 1.66420 |
| Z 1861.00:00:00 | 1862.00:00:00 | 4.5 | 128.00 | 3.1 | 1.66420 |
| Z 1862.00:00:00 | 1863.00:00:00 | 4.5 | 130.00 | 3.1 | 1.66420 |
| Z 1863.00:00:00 | 1864.00:00:00 | 4.5 | 132.00 | 3.1 | 1.66420 |
| Z 1864.00:00:00 | 1865.00:00:00 | 4.5 | 134.00 | 3.1 | 1.66420 |
| Z 1865.00:00:00 | 1866.00:00:00 | 4.5 | 136.00 | 3.1 | 1.90667 |
| Z 1866.00:00:00 | 1867.00:00:00 | 4.5 | 138.00 | 3.1 | 1.90667 |
| Z 1867.00:00:00 | 1868.00:00:00 | 4.5 | 140.00 | 3.1 | 1.90667 |
| Z 1868.00:00:00 | 1869.00:00:00 | 4.5 | 142.00 | 3.1 | 1.90667 |
| Z 1869.00:00:00 | 1870.00:00:00 | 4.5 | 144.00 | 3.1 | 1.90667 |
| Z 1870.00:00:00 | 1871.00:00:00 | 4.5 | 146.00 | 3.1 | 1.14621 |
| Z 1871.00:00:00 | 1872.00:00:00 | 4.5 | 148.00 | 3.1 | 1.14621 |
| Z 1872.00:00:00 | 1873.00:00:00 | 4.5 | 150.00 | 3.1 | 1.14621 |
| Z 1873.00:00:00 | 1874.00:00:00 | 4.5 | 152.00 | 3.1 | 1.14621 |
| Z 1874.00:00:00 | 1875.00:00:00 | 4.5 | 154.00 | 3.1 | 1.14621 |
| Z 1875.00:00:00 | 1876.00:00:00 | 4.5 | 156.00 | 3.1 | 1.55399 |
| Z 1876.00:00:00 | 1877.00:00:00 | 4.5 | 158.00 | 3.1 | 1.55399 |
| Z 1877.00:00:00 | 1878.00:00:00 | 4.5 | 160.00 | 3.1 | 1.55399 |
| Z 1878.00:00:00 | 1879.00:00:00 | 4.5 | 162.00 | 3.1 | 1.55399 |
| Z 1879.00:00:00 | 1880.00:00:00 | 4.5 | 164.00 | 3.1 | 1.55399 |
| Z 1880.00:00:00 | 1881.00:00:00 | 4.5 | 166.00 | 3.1 | 2.94266 |
| Z 1881.00:00:00 | 1882.00:00:00 | 4.5 | 168.00 | 3.1 | 2.94266 |
| Z 1882.00:00:00 | 1883.00:00:00 | 4.5 | 170.00 | 3.1 | 2.94266 |
| Z 1883.00:00:00 | 1884.00:00:00 | 4.5 | 172.00 | 3.1 | 2.94266 |
| Z 1884.00:00:00 | 1885.00:00:00 | 4.5 | 174.00 | 3.1 | 2.94266 |
| Z 1885.00:00:00 | 1886.00:00:00 | 4.5 | 176.00 | 3.1 | 4.04479 |
| Z 1886.00:00:00 | 1887.00:00:00 | 4.5 | 178.00 | 3.1 | 4.04479 |
| Z 1887.00:00:00 | 1888.00:00:00 | 4.5 | 180.00 | 3.1 | 4.04479 |
| Z 1888.00:00:00 | 1889.00:00:00 | 4.5 | 182.00 | 3.1 | 4.04479 |
| Z 1889.00:00:00 | 1890.00:00:00 | 4.5 | 184.00 | 3.1 | 4.04479 |
| Z 1890.00:00:00 | 1891.00:00:00 | 4.5 | 186.00 | 3.1 | 4.01172 |
| Z 1891.00:00:00 | 1892.00:00:00 | 4.5 | 188.00 | 3.1 | 4.01172 |
| Z 1892.00:00:00 | 1893.00:00:00 | 4.5 | 190.00 | 3.1 | 4.01172 |
| Z 1893.00:00:00 | 1894.00:00:00 | 4.5 | 192.00 | 3.1 | 4.01172 |
| Z 1894.00:00:00 | 1895.00:00:00 | 4.5 | 194.00 | 3.1 | 4.01172 |
| Z 1895.00:00:00 | 1896.00:00:00 | 4.5 | 196.00 | 3.1 | 4.43053 |
| Z 1896.00:00:00 | 1897.00:00:00 | 4.5 | 198.00 | 3.1 | 4.43053 |
| Z 1897.00:00:00 | 1898.00:00:00 | 4.5 | 200.00 | 3.1 | 4.43053 |
| Z 1898.00:00:00 | 1899.00:00:00 | 4.5 | 202.00 | 3.1 | 4.43053 |
| Z 1899.00:00:00 | 1900.00:00:00 | 4.5 | 204.00 | 3.1 | 4.43053 |
| Z 1900.00:00:00 | 1901.00:00:00 | 4.5 | 206.00 | 3.1 | 6.64579 |
| Z 1901.00:00:00 | 1902.00:00:00 | 4.5 | 208.00 | 3.1 | 6.64579 |
| Z 1902.00:00:00 | 1903.00:00:00 | 4.5 | 210.00 | 3.1 | 6.64579 |
| Z 1903.00:00:00 | 1904.00:00:00 | 4.5 | 212.00 | 3.1 | 6.64579 |
| Z 1904.00:00:00 | 1905.00:00:00 | 4.5 | 214.00 | 3.1 | 6.64579 |
| Z 1905.00:00:00 | 1906.00:00:00 | 4.5 | 216.00 | 3.1 | 8.18876 |
| Z 1906.00:00:00 | 1907.00:00:00 | 4.5 | 218.00 | 3.1 | 8.18876 |
| Z 1907.00:00:00 | 1908.00:00:00 | 4.5 | 220.00 | 3.1 | 8.18876 |
| Z 1908.00:00:00 | 1909.00:00:00 | 4.5 | 222.00 | 3.1 | 8.18876 |
| Z 1909.00:00:00 | 1910.00:00:00 | 4.5 | 224.00 | 3.1 | 8.18876 |
| Z 1910.00:00:00 | 1911.00:00:00 | 4.5 | 226.00 | 3.1 | 9.08148 |
| Z 1911.00:00:00 | 1912.00:00:00 | 4.5 | 228.00 | 3.1 | 9.08148 |
| Z 1912.00:00:00 | 1913.00:00:00 | 4.5 | 230.00 | 3.1 | 9.08148 |
| Z 1913.00:00:00 | 1914.00:00:00 | 4.5 | 232.00 | 3.1 | 9.08148 |

|   |               |               |     |        |     |          |
|---|---------------|---------------|-----|--------|-----|----------|
| Z | 1914.00:00:00 | 1915.00:00:00 | 4.5 | 234.00 | 3.1 | 9.08148  |
| Z | 1915.00:00:00 | 1916.00:00:00 | 4.5 | 236.00 | 3.1 | 8.48633  |
| Z | 1916.00:00:00 | 1917.00:00:00 | 4.5 | 238.00 | 3.1 | 8.48633  |
| Z | 1917.00:00:00 | 1918.00:00:00 | 4.5 | 240.00 | 3.1 | 8.48633  |
| Z | 1918.00:00:00 | 1919.00:00:00 | 4.5 | 242.00 | 3.1 | 8.48633  |
| Z | 1919.00:00:00 | 1920.00:00:00 | 4.5 | 244.00 | 3.1 | 8.48633  |
| Z | 1920.00:00:00 | 1921.00:00:00 | 4.5 | 246.00 | 3.1 | 8.77288  |
| Z | 1921.00:00:00 | 1922.00:00:00 | 4.5 | 248.00 | 3.1 | 8.77288  |
| Z | 1922.00:00:00 | 1923.00:00:00 | 4.5 | 250.00 | 3.1 | 8.77288  |
| Z | 1923.00:00:00 | 1924.00:00:00 | 4.5 | 252.00 | 3.1 | 8.77288  |
| Z | 1924.00:00:00 | 1925.00:00:00 | 4.5 | 254.00 | 3.1 | 8.77288  |
| Z | 1925.00:00:00 | 1926.00:00:00 | 4.5 | 256.00 | 3.1 | 10.75670 |
| Z | 1926.00:00:00 | 1927.00:00:00 | 4.5 | 258.00 | 3.1 | 10.75670 |
| Z | 1927.00:00:00 | 1928.00:00:00 | 4.5 | 260.00 | 3.1 | 10.75670 |
| Z | 1928.00:00:00 | 1929.00:00:00 | 4.5 | 262.00 | 3.1 | 10.75670 |
| Z | 1929.00:00:00 | 1930.00:00:00 | 4.5 | 264.00 | 3.1 | 10.75670 |
| Z | 1930.00:00:00 | 1931.00:00:00 | 4.5 | 266.00 | 3.1 | 10.82283 |
| Z | 1931.00:00:00 | 1932.00:00:00 | 4.5 | 268.00 | 3.1 | 10.82283 |
| Z | 1932.00:00:00 | 1933.00:00:00 | 4.5 | 270.00 | 3.1 | 10.82283 |
| Z | 1933.00:00:00 | 1934.00:00:00 | 4.5 | 272.00 | 3.1 | 10.82283 |
| Z | 1934.00:00:00 | 1935.00:00:00 | 4.5 | 274.00 | 3.1 | 10.82283 |
| Z | 1935.00:00:00 | 1936.00:00:00 | 4.5 | 276.00 | 3.1 | 13.12626 |
| Z | 1936.00:00:00 | 1937.00:00:00 | 4.5 | 278.00 | 3.1 | 13.12626 |
| Z | 1937.00:00:00 | 1938.00:00:00 | 4.5 | 280.00 | 3.1 | 13.12626 |
| Z | 1938.00:00:00 | 1939.00:00:00 | 4.5 | 282.00 | 3.1 | 13.12626 |
| Z | 1939.00:00:00 | 1940.00:00:00 | 4.5 | 284.00 | 3.1 | 13.12626 |
| Z | 1940.00:00:00 | 1941.00:00:00 | 4.5 | 286.00 | 3.1 | 12.67439 |
| Z | 1941.00:00:00 | 1942.00:00:00 | 4.5 | 288.00 | 3.1 | 12.67439 |
| Z | 1942.00:00:00 | 1943.00:00:00 | 4.5 | 290.00 | 3.1 | 12.67439 |
| Z | 1943.00:00:00 | 1944.00:00:00 | 4.5 | 292.00 | 3.1 | 12.67439 |
| Z | 1944.00:00:00 | 1945.00:00:00 | 4.5 | 294.00 | 3.1 | 12.67439 |
| Z | 1945.00:00:00 | 1946.00:00:00 | 4.5 | 296.00 | 3.1 | 9.85296  |
| Z | 1946.00:00:00 | 1947.00:00:00 | 4.5 | 298.00 | 3.1 | 9.85296  |
| Z | 1947.00:00:00 | 1948.00:00:00 | 4.5 | 300.00 | 3.1 | 9.85296  |
| Z | 1948.00:00:00 | 1949.00:00:00 | 4.5 | 302.00 | 3.1 | 9.85296  |
| Z | 1949.00:00:00 | 1950.00:00:00 | 4.5 | 304.00 | 3.1 | 9.85296  |
| Z | 1950.00:00:00 | 1951.00:00:00 | 4.5 | 306.00 | 3.1 | 6.34822  |
| Z | 1951.00:00:00 | 1952.00:00:00 | 4.5 | 308.00 | 3.1 | 6.34822  |
| Z | 1952.00:00:00 | 1953.00:00:00 | 4.5 | 310.00 | 3.1 | 6.34822  |
| Z | 1953.00:00:00 | 1954.00:00:00 | 4.5 | 312.00 | 3.1 | 6.34822  |
| Z | 1954.00:00:00 | 1955.00:00:00 | 4.5 | 314.00 | 3.1 | 6.34822  |
| Z | 1955.00:00:00 | 1956.00:00:00 | 4.5 | 316.00 | 3.1 | 4.40848  |
| Z | 1956.00:00:00 | 1957.00:00:00 | 4.5 | 318.00 | 3.1 | 4.40848  |
| Z | 1957.00:00:00 | 1958.00:00:00 | 4.5 | 320.00 | 3.1 | 4.40848  |
| Z | 1958.00:00:00 | 1959.00:00:00 | 4.5 | 322.00 | 3.1 | 4.40848  |
| Z | 1959.00:00:00 | 1960.00:00:00 | 4.5 | 324.00 | 3.1 | 4.40848  |
| Z | 1960.00:00:00 | 1961.00:00:00 | 4.5 | 326.00 | 3.1 | 3.70313  |
| Z | 1961.00:00:00 | 1962.00:00:00 | 4.5 | 328.00 | 3.1 | 3.70313  |
| Z | 1962.00:00:00 | 1963.00:00:00 | 4.5 | 330.00 | 3.1 | 3.70313  |
| Z | 1963.00:00:00 | 1964.00:00:00 | 4.5 | 332.00 | 3.1 | 3.70313  |
| Z | 1964.00:00:00 | 1965.00:00:00 | 4.5 | 334.00 | 3.1 | 3.70313  |
| Z | 1965.00:00:00 | 1966.00:00:00 | 4.5 | 336.00 | 3.1 | 2.09403  |
| Z | 1966.00:00:00 | 1967.00:00:00 | 4.5 | 338.00 | 3.1 | 2.09403  |
| Z | 1967.00:00:00 | 1968.00:00:00 | 4.5 | 340.00 | 3.1 | 2.09403  |
| Z | 1968.00:00:00 | 1969.00:00:00 | 4.5 | 342.00 | 3.1 | 2.09403  |
| Z | 1969.00:00:00 | 1970.00:00:00 | 4.5 | 344.00 | 3.1 | 2.09403  |
| Z | 1970.00:00:00 | 1971.00:00:00 | 4.5 | 346.00 | 3.1 | 1.39969  |
| Z | 1971.00:00:00 | 1972.00:00:00 | 4.5 | 348.00 | 3.1 | 1.39969  |
| Z | 1972.00:00:00 | 1973.00:00:00 | 4.5 | 350.00 | 3.1 | 1.39969  |
| Z | 1973.00:00:00 | 1974.00:00:00 | 4.5 | 352.00 | 3.1 | 1.39969  |
| Z | 1974.00:00:00 | 1975.00:00:00 | 4.5 | 354.00 | 3.1 | 1.39969  |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 1975.00:00:00 | 1976.00:00:00 | 4.5 | 356.00 | 3.1 | 1.10212 |
| Z 1976.00:00:00 | 1977.00:00:00 | 4.5 | 358.00 | 3.1 | 1.10212 |
| Z 1977.00:00:00 | 1978.00:00:00 | 4.5 | 360.00 | 3.1 | 1.10212 |
| Z 1978.00:00:00 | 1979.00:00:00 | 4.5 | 362.00 | 3.1 | 1.10212 |
| Z 1979.00:00:00 | 1980.00:00:00 | 4.5 | 364.00 | 3.1 | 1.10212 |
| Z 1980.00:00:00 | 1981.00:00:00 | 6.0 | 6.00   | 3.1 | 0.03306 |
| Z 1981.00:00:00 | 1982.00:00:00 | 6.0 | 8.00   | 3.1 | 0.03306 |
| Z 1982.00:00:00 | 1983.00:00:00 | 6.0 | 10.00  | 3.1 | 0.03306 |
| Z 1983.00:00:00 | 1984.00:00:00 | 6.0 | 12.00  | 3.1 | 0.03306 |
| Z 1984.00:00:00 | 1985.00:00:00 | 6.0 | 14.00  | 3.1 | 0.03306 |
| Z 1985.00:00:00 | 1986.00:00:00 | 6.0 | 16.00  | 3.1 | 0.07715 |
| Z 1986.00:00:00 | 1987.00:00:00 | 6.0 | 18.00  | 3.1 | 0.07715 |
| Z 1987.00:00:00 | 1988.00:00:00 | 6.0 | 20.00  | 3.1 | 0.07715 |
| Z 1988.00:00:00 | 1989.00:00:00 | 6.0 | 22.00  | 3.1 | 0.07715 |
| Z 1989.00:00:00 | 1990.00:00:00 | 6.0 | 24.00  | 3.1 | 0.07715 |
| Z 1990.00:00:00 | 1991.00:00:00 | 6.0 | 26.00  | 3.1 | 0.14328 |
| Z 1991.00:00:00 | 1992.00:00:00 | 6.0 | 28.00  | 3.1 | 0.14328 |
| Z 1992.00:00:00 | 1993.00:00:00 | 6.0 | 30.00  | 3.1 | 0.14328 |
| Z 1993.00:00:00 | 1994.00:00:00 | 6.0 | 32.00  | 3.1 | 0.14328 |
| Z 1994.00:00:00 | 1995.00:00:00 | 6.0 | 34.00  | 3.1 | 0.14328 |
| Z 1995.00:00:00 | 1996.00:00:00 | 6.0 | 36.00  | 3.1 | 0.41881 |
| Z 1996.00:00:00 | 1997.00:00:00 | 6.0 | 38.00  | 3.1 | 0.41881 |
| Z 1997.00:00:00 | 1998.00:00:00 | 6.0 | 40.00  | 3.1 | 0.41881 |
| Z 1998.00:00:00 | 1999.00:00:00 | 6.0 | 42.00  | 3.1 | 0.41881 |
| Z 1999.00:00:00 | 2000.00:00:00 | 6.0 | 44.00  | 3.1 | 0.41881 |
| Z 2000.00:00:00 | 2001.00:00:00 | 6.0 | 46.00  | 3.1 | 0.54004 |
| Z 2001.00:00:00 | 2002.00:00:00 | 6.0 | 48.00  | 3.1 | 0.54004 |
| Z 2002.00:00:00 | 2003.00:00:00 | 6.0 | 50.00  | 3.1 | 0.54004 |
| Z 2003.00:00:00 | 2004.00:00:00 | 6.0 | 52.00  | 3.1 | 0.54004 |
| Z 2004.00:00:00 | 2005.00:00:00 | 6.0 | 54.00  | 3.1 | 0.54004 |
| Z 2005.00:00:00 | 2006.00:00:00 | 6.0 | 56.00  | 3.1 | 1.12416 |
| Z 2006.00:00:00 | 2007.00:00:00 | 6.0 | 58.00  | 3.1 | 1.12416 |
| Z 2007.00:00:00 | 2008.00:00:00 | 6.0 | 60.00  | 3.1 | 1.12416 |
| Z 2008.00:00:00 | 2009.00:00:00 | 6.0 | 62.00  | 3.1 | 1.12416 |
| Z 2009.00:00:00 | 2010.00:00:00 | 6.0 | 64.00  | 3.1 | 1.12416 |
| Z 2010.00:00:00 | 2011.00:00:00 | 6.0 | 66.00  | 3.1 | 1.46582 |
| Z 2011.00:00:00 | 2012.00:00:00 | 6.0 | 68.00  | 3.1 | 1.46582 |
| Z 2012.00:00:00 | 2013.00:00:00 | 6.0 | 70.00  | 3.1 | 1.46582 |
| Z 2013.00:00:00 | 2014.00:00:00 | 6.0 | 72.00  | 3.1 | 1.46582 |
| Z 2014.00:00:00 | 2015.00:00:00 | 6.0 | 74.00  | 3.1 | 1.46582 |
| Z 2015.00:00:00 | 2016.00:00:00 | 6.0 | 76.00  | 3.1 | 0.73842 |
| Z 2016.00:00:00 | 2017.00:00:00 | 6.0 | 78.00  | 3.1 | 0.73842 |
| Z 2017.00:00:00 | 2018.00:00:00 | 6.0 | 80.00  | 3.1 | 0.73842 |
| Z 2018.00:00:00 | 2019.00:00:00 | 6.0 | 82.00  | 3.1 | 0.73842 |
| Z 2019.00:00:00 | 2020.00:00:00 | 6.0 | 84.00  | 3.1 | 0.73842 |
| Z 2020.00:00:00 | 2021.00:00:00 | 6.0 | 86.00  | 3.1 | 0.28655 |
| Z 2021.00:00:00 | 2022.00:00:00 | 6.0 | 88.00  | 3.1 | 0.28655 |
| Z 2022.00:00:00 | 2023.00:00:00 | 6.0 | 90.00  | 3.1 | 0.28655 |
| Z 2023.00:00:00 | 2024.00:00:00 | 6.0 | 92.00  | 3.1 | 0.28655 |
| Z 2024.00:00:00 | 2025.00:00:00 | 6.0 | 94.00  | 3.1 | 0.28655 |
| Z 2025.00:00:00 | 2026.00:00:00 | 6.0 | 96.00  | 3.1 | 0.07715 |
| Z 2026.00:00:00 | 2027.00:00:00 | 6.0 | 98.00  | 3.1 | 0.07715 |
| Z 2027.00:00:00 | 2028.00:00:00 | 6.0 | 100.00 | 3.1 | 0.07715 |
| Z 2028.00:00:00 | 2029.00:00:00 | 6.0 | 102.00 | 3.1 | 0.07715 |
| Z 2029.00:00:00 | 2030.00:00:00 | 6.0 | 104.00 | 3.1 | 0.07715 |
| Z 2030.00:00:00 | 2031.00:00:00 | 6.0 | 106.00 | 3.1 | 0.06613 |
| Z 2031.00:00:00 | 2032.00:00:00 | 6.0 | 108.00 | 3.1 | 0.06613 |
| Z 2032.00:00:00 | 2033.00:00:00 | 6.0 | 110.00 | 3.1 | 0.06613 |
| Z 2033.00:00:00 | 2034.00:00:00 | 6.0 | 112.00 | 3.1 | 0.06613 |
| Z 2034.00:00:00 | 2035.00:00:00 | 6.0 | 114.00 | 3.1 | 0.06613 |
| Z 2035.00:00:00 | 2036.00:00:00 | 6.0 | 116.00 | 3.1 | 0.25349 |

|   |               |               |     |        |     |         |
|---|---------------|---------------|-----|--------|-----|---------|
| Z | 2036.00:00:00 | 2037.00:00:00 | 6.0 | 118.00 | 3.1 | 0.25349 |
| Z | 2037.00:00:00 | 2038.00:00:00 | 6.0 | 120.00 | 3.1 | 0.25349 |
| Z | 2038.00:00:00 | 2039.00:00:00 | 6.0 | 122.00 | 3.1 | 0.25349 |
| Z | 2039.00:00:00 | 2040.00:00:00 | 6.0 | 124.00 | 3.1 | 0.25349 |
| Z | 2040.00:00:00 | 2041.00:00:00 | 6.0 | 126.00 | 3.1 | 0.08817 |
| Z | 2041.00:00:00 | 2042.00:00:00 | 6.0 | 128.00 | 3.1 | 0.08817 |
| Z | 2042.00:00:00 | 2043.00:00:00 | 6.0 | 130.00 | 3.1 | 0.08817 |
| Z | 2043.00:00:00 | 2044.00:00:00 | 6.0 | 132.00 | 3.1 | 0.08817 |
| Z | 2044.00:00:00 | 2045.00:00:00 | 6.0 | 134.00 | 3.1 | 0.08817 |
| Z | 2045.00:00:00 | 2046.00:00:00 | 6.0 | 136.00 | 3.1 | 0.12123 |
| Z | 2046.00:00:00 | 2047.00:00:00 | 6.0 | 138.00 | 3.1 | 0.12123 |
| Z | 2047.00:00:00 | 2048.00:00:00 | 6.0 | 140.00 | 3.1 | 0.12123 |
| Z | 2048.00:00:00 | 2049.00:00:00 | 6.0 | 142.00 | 3.1 | 0.12123 |
| Z | 2049.00:00:00 | 2050.00:00:00 | 6.0 | 144.00 | 3.1 | 0.12123 |
| Z | 2050.00:00:00 | 2051.00:00:00 | 6.0 | 146.00 | 3.1 | 0.06613 |
| Z | 2051.00:00:00 | 2052.00:00:00 | 6.0 | 148.00 | 3.1 | 0.06613 |
| Z | 2052.00:00:00 | 2053.00:00:00 | 6.0 | 150.00 | 3.1 | 0.06613 |
| Z | 2053.00:00:00 | 2054.00:00:00 | 6.0 | 152.00 | 3.1 | 0.06613 |
| Z | 2054.00:00:00 | 2055.00:00:00 | 6.0 | 154.00 | 3.1 | 0.06613 |
| Z | 2055.00:00:00 | 2056.00:00:00 | 6.0 | 156.00 | 3.1 | 0.09919 |
| Z | 2056.00:00:00 | 2057.00:00:00 | 6.0 | 158.00 | 3.1 | 0.09919 |
| Z | 2057.00:00:00 | 2058.00:00:00 | 6.0 | 160.00 | 3.1 | 0.09919 |
| Z | 2058.00:00:00 | 2059.00:00:00 | 6.0 | 162.00 | 3.1 | 0.09919 |
| Z | 2059.00:00:00 | 2060.00:00:00 | 6.0 | 164.00 | 3.1 | 0.09919 |
| Z | 2060.00:00:00 | 2061.00:00:00 | 6.0 | 166.00 | 3.1 | 0.24247 |
| Z | 2061.00:00:00 | 2062.00:00:00 | 6.0 | 168.00 | 3.1 | 0.24247 |
| Z | 2062.00:00:00 | 2063.00:00:00 | 6.0 | 170.00 | 3.1 | 0.24247 |
| Z | 2063.00:00:00 | 2064.00:00:00 | 6.0 | 172.00 | 3.1 | 0.24247 |
| Z | 2064.00:00:00 | 2065.00:00:00 | 6.0 | 174.00 | 3.1 | 0.24247 |
| Z | 2065.00:00:00 | 2066.00:00:00 | 6.0 | 176.00 | 3.1 | 0.52902 |
| Z | 2066.00:00:00 | 2067.00:00:00 | 6.0 | 178.00 | 3.1 | 0.52902 |
| Z | 2067.00:00:00 | 2068.00:00:00 | 6.0 | 180.00 | 3.1 | 0.52902 |
| Z | 2068.00:00:00 | 2069.00:00:00 | 6.0 | 182.00 | 3.1 | 0.52902 |
| Z | 2069.00:00:00 | 2070.00:00:00 | 6.0 | 184.00 | 3.1 | 0.52902 |
| Z | 2070.00:00:00 | 2071.00:00:00 | 6.0 | 186.00 | 3.1 | 0.88170 |
| Z | 2071.00:00:00 | 2072.00:00:00 | 6.0 | 188.00 | 3.1 | 0.88170 |
| Z | 2072.00:00:00 | 2073.00:00:00 | 6.0 | 190.00 | 3.1 | 0.88170 |
| Z | 2073.00:00:00 | 2074.00:00:00 | 6.0 | 192.00 | 3.1 | 0.88170 |
| Z | 2074.00:00:00 | 2075.00:00:00 | 6.0 | 194.00 | 3.1 | 0.88170 |
| Z | 2075.00:00:00 | 2076.00:00:00 | 6.0 | 196.00 | 3.1 | 0.90374 |
| Z | 2076.00:00:00 | 2077.00:00:00 | 6.0 | 198.00 | 3.1 | 0.90374 |
| Z | 2077.00:00:00 | 2078.00:00:00 | 6.0 | 200.00 | 3.1 | 0.90374 |
| Z | 2078.00:00:00 | 2079.00:00:00 | 6.0 | 202.00 | 3.1 | 0.90374 |
| Z | 2079.00:00:00 | 2080.00:00:00 | 6.0 | 204.00 | 3.1 | 0.90374 |
| Z | 2080.00:00:00 | 2081.00:00:00 | 6.0 | 206.00 | 3.1 | 1.63114 |
| Z | 2081.00:00:00 | 2082.00:00:00 | 6.0 | 208.00 | 3.1 | 1.63114 |
| Z | 2082.00:00:00 | 2083.00:00:00 | 6.0 | 210.00 | 3.1 | 1.63114 |
| Z | 2083.00:00:00 | 2084.00:00:00 | 6.0 | 212.00 | 3.1 | 1.63114 |
| Z | 2084.00:00:00 | 2085.00:00:00 | 6.0 | 214.00 | 3.1 | 1.63114 |
| Z | 2085.00:00:00 | 2086.00:00:00 | 6.0 | 216.00 | 3.1 | 2.87654 |
| Z | 2086.00:00:00 | 2087.00:00:00 | 6.0 | 218.00 | 3.1 | 2.87654 |
| Z | 2087.00:00:00 | 2088.00:00:00 | 6.0 | 220.00 | 3.1 | 2.87654 |
| Z | 2088.00:00:00 | 2089.00:00:00 | 6.0 | 222.00 | 3.1 | 2.87654 |
| Z | 2089.00:00:00 | 2090.00:00:00 | 6.0 | 224.00 | 3.1 | 2.87654 |
| Z | 2090.00:00:00 | 2091.00:00:00 | 6.0 | 226.00 | 3.1 | 3.95662 |
| Z | 2091.00:00:00 | 2092.00:00:00 | 6.0 | 228.00 | 3.1 | 3.95662 |
| Z | 2092.00:00:00 | 2093.00:00:00 | 6.0 | 230.00 | 3.1 | 3.95662 |
| Z | 2093.00:00:00 | 2094.00:00:00 | 6.0 | 232.00 | 3.1 | 3.95662 |
| Z | 2094.00:00:00 | 2095.00:00:00 | 6.0 | 234.00 | 3.1 | 3.95662 |
| Z | 2095.00:00:00 | 2096.00:00:00 | 6.0 | 236.00 | 3.1 | 3.74721 |
| Z | 2096.00:00:00 | 2097.00:00:00 | 6.0 | 238.00 | 3.1 | 3.74721 |

|   |               |               |     |        |     |         |
|---|---------------|---------------|-----|--------|-----|---------|
| Z | 2097.00:00:00 | 2098.00:00:00 | 6.0 | 240.00 | 3.1 | 3.74721 |
| Z | 2098.00:00:00 | 2099.00:00:00 | 6.0 | 242.00 | 3.1 | 3.74721 |
| Z | 2099.00:00:00 | 2100.00:00:00 | 6.0 | 244.00 | 3.1 | 3.74721 |
| Z | 2100.00:00:00 | 2101.00:00:00 | 6.0 | 246.00 | 3.1 | 4.38644 |
| Z | 2101.00:00:00 | 2102.00:00:00 | 6.0 | 248.00 | 3.1 | 4.38644 |
| Z | 2102.00:00:00 | 2103.00:00:00 | 6.0 | 250.00 | 3.1 | 4.38644 |
| Z | 2103.00:00:00 | 2104.00:00:00 | 6.0 | 252.00 | 3.1 | 4.38644 |
| Z | 2104.00:00:00 | 2105.00:00:00 | 6.0 | 254.00 | 3.1 | 4.38644 |
| Z | 2105.00:00:00 | 2106.00:00:00 | 6.0 | 256.00 | 3.1 | 4.25419 |
| Z | 2106.00:00:00 | 2107.00:00:00 | 6.0 | 258.00 | 3.1 | 4.25419 |
| Z | 2107.00:00:00 | 2108.00:00:00 | 6.0 | 260.00 | 3.1 | 4.25419 |
| Z | 2108.00:00:00 | 2109.00:00:00 | 6.0 | 262.00 | 3.1 | 4.25419 |
| Z | 2109.00:00:00 | 2110.00:00:00 | 6.0 | 264.00 | 3.1 | 4.25419 |
| Z | 2110.00:00:00 | 2111.00:00:00 | 6.0 | 266.00 | 3.1 | 5.10282 |
| Z | 2111.00:00:00 | 2112.00:00:00 | 6.0 | 268.00 | 3.1 | 5.10282 |
| Z | 2112.00:00:00 | 2113.00:00:00 | 6.0 | 270.00 | 3.1 | 5.10282 |
| Z | 2113.00:00:00 | 2114.00:00:00 | 6.0 | 272.00 | 3.1 | 5.10282 |
| Z | 2114.00:00:00 | 2115.00:00:00 | 6.0 | 274.00 | 3.1 | 5.10282 |
| Z | 2115.00:00:00 | 2116.00:00:00 | 6.0 | 276.00 | 3.1 | 5.08078 |
| Z | 2116.00:00:00 | 2117.00:00:00 | 6.0 | 278.00 | 3.1 | 5.08078 |
| Z | 2117.00:00:00 | 2118.00:00:00 | 6.0 | 280.00 | 3.1 | 5.08078 |
| Z | 2118.00:00:00 | 2119.00:00:00 | 6.0 | 282.00 | 3.1 | 5.08078 |
| Z | 2119.00:00:00 | 2120.00:00:00 | 6.0 | 284.00 | 3.1 | 5.08078 |
| Z | 2120.00:00:00 | 2121.00:00:00 | 6.0 | 286.00 | 3.1 | 4.84933 |
| Z | 2121.00:00:00 | 2122.00:00:00 | 6.0 | 288.00 | 3.1 | 4.84933 |
| Z | 2122.00:00:00 | 2123.00:00:00 | 6.0 | 290.00 | 3.1 | 4.84933 |
| Z | 2123.00:00:00 | 2124.00:00:00 | 6.0 | 292.00 | 3.1 | 4.84933 |
| Z | 2124.00:00:00 | 2125.00:00:00 | 6.0 | 294.00 | 3.1 | 4.84933 |
| Z | 2125.00:00:00 | 2126.00:00:00 | 6.0 | 296.00 | 3.1 | 2.78837 |
| Z | 2126.00:00:00 | 2127.00:00:00 | 6.0 | 298.00 | 3.1 | 2.78837 |
| Z | 2127.00:00:00 | 2128.00:00:00 | 6.0 | 300.00 | 3.1 | 2.78837 |
| Z | 2128.00:00:00 | 2129.00:00:00 | 6.0 | 302.00 | 3.1 | 2.78837 |
| Z | 2129.00:00:00 | 2130.00:00:00 | 6.0 | 304.00 | 3.1 | 2.78837 |
| Z | 2130.00:00:00 | 2131.00:00:00 | 6.0 | 306.00 | 3.1 | 1.68625 |
| Z | 2131.00:00:00 | 2132.00:00:00 | 6.0 | 308.00 | 3.1 | 1.68625 |
| Z | 2132.00:00:00 | 2133.00:00:00 | 6.0 | 310.00 | 3.1 | 1.68625 |
| Z | 2133.00:00:00 | 2134.00:00:00 | 6.0 | 312.00 | 3.1 | 1.68625 |
| Z | 2134.00:00:00 | 2135.00:00:00 | 6.0 | 314.00 | 3.1 | 1.68625 |
| Z | 2135.00:00:00 | 2136.00:00:00 | 6.0 | 316.00 | 3.1 | 1.00293 |
| Z | 2136.00:00:00 | 2137.00:00:00 | 6.0 | 318.00 | 3.1 | 1.00293 |
| Z | 2137.00:00:00 | 2138.00:00:00 | 6.0 | 320.00 | 3.1 | 1.00293 |
| Z | 2138.00:00:00 | 2139.00:00:00 | 6.0 | 322.00 | 3.1 | 1.00293 |
| Z | 2139.00:00:00 | 2140.00:00:00 | 6.0 | 324.00 | 3.1 | 1.00293 |
| Z | 2140.00:00:00 | 2141.00:00:00 | 6.0 | 326.00 | 3.1 | 0.52902 |
| Z | 2141.00:00:00 | 2142.00:00:00 | 6.0 | 328.00 | 3.1 | 0.52902 |
| Z | 2142.00:00:00 | 2143.00:00:00 | 6.0 | 330.00 | 3.1 | 0.52902 |
| Z | 2143.00:00:00 | 2144.00:00:00 | 6.0 | 332.00 | 3.1 | 0.52902 |
| Z | 2144.00:00:00 | 2145.00:00:00 | 6.0 | 334.00 | 3.1 | 0.52902 |
| Z | 2145.00:00:00 | 2146.00:00:00 | 6.0 | 336.00 | 3.1 | 0.27553 |
| Z | 2146.00:00:00 | 2147.00:00:00 | 6.0 | 338.00 | 3.1 | 0.27553 |
| Z | 2147.00:00:00 | 2148.00:00:00 | 6.0 | 340.00 | 3.1 | 0.27553 |
| Z | 2148.00:00:00 | 2149.00:00:00 | 6.0 | 342.00 | 3.1 | 0.27553 |
| Z | 2149.00:00:00 | 2150.00:00:00 | 6.0 | 344.00 | 3.1 | 0.27553 |
| Z | 2150.00:00:00 | 2151.00:00:00 | 6.0 | 346.00 | 3.1 | 0.18736 |
| Z | 2151.00:00:00 | 2152.00:00:00 | 6.0 | 348.00 | 3.1 | 0.18736 |
| Z | 2152.00:00:00 | 2153.00:00:00 | 6.0 | 350.00 | 3.1 | 0.18736 |
| Z | 2153.00:00:00 | 2154.00:00:00 | 6.0 | 352.00 | 3.1 | 0.18736 |
| Z | 2154.00:00:00 | 2155.00:00:00 | 6.0 | 354.00 | 3.1 | 0.18736 |
| Z | 2155.00:00:00 | 2156.00:00:00 | 6.0 | 356.00 | 3.1 | 0.07715 |
| Z | 2156.00:00:00 | 2157.00:00:00 | 6.0 | 358.00 | 3.1 | 0.07715 |
| Z | 2157.00:00:00 | 2158.00:00:00 | 6.0 | 360.00 | 3.1 | 0.07715 |

|   |               |               |     |        |     |         |
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| Z | 2158.00:00:00 | 2159.00:00:00 | 6.0 | 362.00 | 3.1 | 0.07715 |
| Z | 2159.00:00:00 | 2160.00:00:00 | 6.0 | 364.00 | 3.1 | 0.07715 |
| Z | 2160.00:00:00 | 2161.00:00:00 | 7.5 | 46.00  | 3.1 | 0.02204 |
| Z | 2161.00:00:00 | 2162.00:00:00 | 7.5 | 48.00  | 3.1 | 0.02204 |
| Z | 2162.00:00:00 | 2163.00:00:00 | 7.5 | 50.00  | 3.1 | 0.02204 |
| Z | 2163.00:00:00 | 2164.00:00:00 | 7.5 | 52.00  | 3.1 | 0.02204 |
| Z | 2164.00:00:00 | 2165.00:00:00 | 7.5 | 54.00  | 3.1 | 0.02204 |
| Z | 2165.00:00:00 | 2166.00:00:00 | 7.5 | 56.00  | 3.1 | 0.01102 |
| Z | 2166.00:00:00 | 2167.00:00:00 | 7.5 | 58.00  | 3.1 | 0.01102 |
| Z | 2167.00:00:00 | 2168.00:00:00 | 7.5 | 60.00  | 3.1 | 0.01102 |
| Z | 2168.00:00:00 | 2169.00:00:00 | 7.5 | 62.00  | 3.1 | 0.01102 |
| Z | 2169.00:00:00 | 2170.00:00:00 | 7.5 | 64.00  | 3.1 | 0.01102 |
| Z | 2170.00:00:00 | 2171.00:00:00 | 7.5 | 66.00  | 3.1 | 0.25349 |
| Z | 2171.00:00:00 | 2172.00:00:00 | 7.5 | 68.00  | 3.1 | 0.25349 |
| Z | 2172.00:00:00 | 2173.00:00:00 | 7.5 | 70.00  | 3.1 | 0.25349 |
| Z | 2173.00:00:00 | 2174.00:00:00 | 7.5 | 72.00  | 3.1 | 0.25349 |
| Z | 2174.00:00:00 | 2175.00:00:00 | 7.5 | 74.00  | 3.1 | 0.25349 |
| Z | 2175.00:00:00 | 2176.00:00:00 | 7.5 | 76.00  | 3.1 | 0.38574 |
| Z | 2176.00:00:00 | 2177.00:00:00 | 7.5 | 78.00  | 3.1 | 0.38574 |
| Z | 2177.00:00:00 | 2178.00:00:00 | 7.5 | 80.00  | 3.1 | 0.38574 |
| Z | 2178.00:00:00 | 2179.00:00:00 | 7.5 | 82.00  | 3.1 | 0.38574 |
| Z | 2179.00:00:00 | 2180.00:00:00 | 7.5 | 84.00  | 3.1 | 0.38574 |
| Z | 2180.00:00:00 | 2181.00:00:00 | 7.5 | 176.00 | 3.1 | 0.11021 |
| Z | 2181.00:00:00 | 2182.00:00:00 | 7.5 | 178.00 | 3.1 | 0.11021 |
| Z | 2182.00:00:00 | 2183.00:00:00 | 7.5 | 180.00 | 3.1 | 0.11021 |
| Z | 2183.00:00:00 | 2184.00:00:00 | 7.5 | 182.00 | 3.1 | 0.11021 |
| Z | 2184.00:00:00 | 2185.00:00:00 | 7.5 | 184.00 | 3.1 | 0.11021 |
| Z | 2185.00:00:00 | 2186.00:00:00 | 7.5 | 186.00 | 3.1 | 0.07715 |
| Z | 2186.00:00:00 | 2187.00:00:00 | 7.5 | 188.00 | 3.1 | 0.07715 |
| Z | 2187.00:00:00 | 2188.00:00:00 | 7.5 | 190.00 | 3.1 | 0.07715 |
| Z | 2188.00:00:00 | 2189.00:00:00 | 7.5 | 192.00 | 3.1 | 0.07715 |
| Z | 2189.00:00:00 | 2190.00:00:00 | 7.5 | 194.00 | 3.1 | 0.07715 |
| Z | 2190.00:00:00 | 2191.00:00:00 | 7.5 | 196.00 | 3.1 | 0.12123 |
| Z | 2191.00:00:00 | 2192.00:00:00 | 7.5 | 198.00 | 3.1 | 0.12123 |
| Z | 2192.00:00:00 | 2193.00:00:00 | 7.5 | 200.00 | 3.1 | 0.12123 |
| Z | 2193.00:00:00 | 2194.00:00:00 | 7.5 | 202.00 | 3.1 | 0.12123 |
| Z | 2194.00:00:00 | 2195.00:00:00 | 7.5 | 204.00 | 3.1 | 0.12123 |
| Z | 2195.00:00:00 | 2196.00:00:00 | 7.5 | 206.00 | 3.1 | 0.38574 |
| Z | 2196.00:00:00 | 2197.00:00:00 | 7.5 | 208.00 | 3.1 | 0.38574 |
| Z | 2197.00:00:00 | 2198.00:00:00 | 7.5 | 210.00 | 3.1 | 0.38574 |
| Z | 2198.00:00:00 | 2199.00:00:00 | 7.5 | 212.00 | 3.1 | 0.38574 |
| Z | 2199.00:00:00 | 2200.00:00:00 | 7.5 | 214.00 | 3.1 | 0.38574 |
| Z | 2200.00:00:00 | 2201.00:00:00 | 7.5 | 216.00 | 3.1 | 0.62821 |
| Z | 2201.00:00:00 | 2202.00:00:00 | 7.5 | 218.00 | 3.1 | 0.62821 |
| Z | 2202.00:00:00 | 2203.00:00:00 | 7.5 | 220.00 | 3.1 | 0.62821 |
| Z | 2203.00:00:00 | 2204.00:00:00 | 7.5 | 222.00 | 3.1 | 0.62821 |
| Z | 2204.00:00:00 | 2205.00:00:00 | 7.5 | 224.00 | 3.1 | 0.62821 |
| Z | 2205.00:00:00 | 2206.00:00:00 | 7.5 | 226.00 | 3.1 | 0.68332 |
| Z | 2206.00:00:00 | 2207.00:00:00 | 7.5 | 228.00 | 3.1 | 0.68332 |
| Z | 2207.00:00:00 | 2208.00:00:00 | 7.5 | 230.00 | 3.1 | 0.68332 |
| Z | 2208.00:00:00 | 2209.00:00:00 | 7.5 | 232.00 | 3.1 | 0.68332 |
| Z | 2209.00:00:00 | 2210.00:00:00 | 7.5 | 234.00 | 3.1 | 0.68332 |
| Z | 2210.00:00:00 | 2211.00:00:00 | 7.5 | 236.00 | 3.1 | 0.51800 |
| Z | 2211.00:00:00 | 2212.00:00:00 | 7.5 | 238.00 | 3.1 | 0.51800 |
| Z | 2212.00:00:00 | 2213.00:00:00 | 7.5 | 240.00 | 3.1 | 0.51800 |
| Z | 2213.00:00:00 | 2214.00:00:00 | 7.5 | 242.00 | 3.1 | 0.51800 |
| Z | 2214.00:00:00 | 2215.00:00:00 | 7.5 | 244.00 | 3.1 | 0.51800 |
| Z | 2215.00:00:00 | 2216.00:00:00 | 7.5 | 246.00 | 3.1 | 0.83761 |
| Z | 2216.00:00:00 | 2217.00:00:00 | 7.5 | 248.00 | 3.1 | 0.83761 |
| Z | 2217.00:00:00 | 2218.00:00:00 | 7.5 | 250.00 | 3.1 | 0.83761 |
| Z | 2218.00:00:00 | 2219.00:00:00 | 7.5 | 252.00 | 3.1 | 0.83761 |

|   |               |               |     |        |     |         |
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| Z | 2219.00:00:00 | 2220.00:00:00 | 7.5 | 254.00 | 3.1 | 0.83761 |
| Z | 2220.00:00:00 | 2221.00:00:00 | 7.5 | 256.00 | 3.1 | 1.10212 |
| Z | 2221.00:00:00 | 2222.00:00:00 | 7.5 | 258.00 | 3.1 | 1.10212 |
| Z | 2222.00:00:00 | 2223.00:00:00 | 7.5 | 260.00 | 3.1 | 1.10212 |
| Z | 2223.00:00:00 | 2224.00:00:00 | 7.5 | 262.00 | 3.1 | 1.10212 |
| Z | 2224.00:00:00 | 2225.00:00:00 | 7.5 | 264.00 | 3.1 | 1.10212 |
| Z | 2225.00:00:00 | 2226.00:00:00 | 7.5 | 266.00 | 3.1 | 1.69727 |
| Z | 2226.00:00:00 | 2227.00:00:00 | 7.5 | 268.00 | 3.1 | 1.69727 |
| Z | 2227.00:00:00 | 2228.00:00:00 | 7.5 | 270.00 | 3.1 | 1.69727 |
| Z | 2228.00:00:00 | 2229.00:00:00 | 7.5 | 272.00 | 3.1 | 1.69727 |
| Z | 2229.00:00:00 | 2230.00:00:00 | 7.5 | 274.00 | 3.1 | 1.69727 |
| Z | 2230.00:00:00 | 2231.00:00:00 | 7.5 | 276.00 | 3.1 | 1.21233 |
| Z | 2231.00:00:00 | 2232.00:00:00 | 7.5 | 278.00 | 3.1 | 1.21233 |
| Z | 2232.00:00:00 | 2233.00:00:00 | 7.5 | 280.00 | 3.1 | 1.21233 |
| Z | 2233.00:00:00 | 2234.00:00:00 | 7.5 | 282.00 | 3.1 | 1.21233 |
| Z | 2234.00:00:00 | 2235.00:00:00 | 7.5 | 284.00 | 3.1 | 1.21233 |
| Z | 2235.00:00:00 | 2236.00:00:00 | 7.5 | 286.00 | 3.1 | 1.09110 |
| Z | 2236.00:00:00 | 2237.00:00:00 | 7.5 | 288.00 | 3.1 | 1.09110 |
| Z | 2237.00:00:00 | 2238.00:00:00 | 7.5 | 290.00 | 3.1 | 1.09110 |
| Z | 2238.00:00:00 | 2239.00:00:00 | 7.5 | 292.00 | 3.1 | 1.09110 |
| Z | 2239.00:00:00 | 2240.00:00:00 | 7.5 | 294.00 | 3.1 | 1.09110 |
| Z | 2240.00:00:00 | 2241.00:00:00 | 7.5 | 296.00 | 3.1 | 0.59515 |
| Z | 2241.00:00:00 | 2242.00:00:00 | 7.5 | 298.00 | 3.1 | 0.59515 |
| Z | 2242.00:00:00 | 2243.00:00:00 | 7.5 | 300.00 | 3.1 | 0.59515 |
| Z | 2243.00:00:00 | 2244.00:00:00 | 7.5 | 302.00 | 3.1 | 0.59515 |
| Z | 2244.00:00:00 | 2245.00:00:00 | 7.5 | 304.00 | 3.1 | 0.59515 |
| Z | 2245.00:00:00 | 2246.00:00:00 | 7.5 | 306.00 | 3.1 | 0.27553 |
| Z | 2246.00:00:00 | 2247.00:00:00 | 7.5 | 308.00 | 3.1 | 0.27553 |
| Z | 2247.00:00:00 | 2248.00:00:00 | 7.5 | 310.00 | 3.1 | 0.27553 |
| Z | 2248.00:00:00 | 2249.00:00:00 | 7.5 | 312.00 | 3.1 | 0.27553 |
| Z | 2249.00:00:00 | 2250.00:00:00 | 7.5 | 314.00 | 3.1 | 0.27553 |
| Z | 2250.00:00:00 | 2251.00:00:00 | 7.5 | 316.00 | 3.1 | 0.18736 |
| Z | 2251.00:00:00 | 2252.00:00:00 | 7.5 | 318.00 | 3.1 | 0.18736 |
| Z | 2252.00:00:00 | 2253.00:00:00 | 7.5 | 320.00 | 3.1 | 0.18736 |
| Z | 2253.00:00:00 | 2254.00:00:00 | 7.5 | 322.00 | 3.1 | 0.18736 |
| Z | 2254.00:00:00 | 2255.00:00:00 | 7.5 | 324.00 | 3.1 | 0.18736 |
| Z | 2255.00:00:00 | 2256.00:00:00 | 7.5 | 326.00 | 3.1 | 0.02204 |
| Z | 2256.00:00:00 | 2257.00:00:00 | 7.5 | 328.00 | 3.1 | 0.02204 |
| Z | 2257.00:00:00 | 2258.00:00:00 | 7.5 | 330.00 | 3.1 | 0.02204 |
| Z | 2258.00:00:00 | 2259.00:00:00 | 7.5 | 332.00 | 3.1 | 0.02204 |
| Z | 2259.00:00:00 | 2260.00:00:00 | 7.5 | 334.00 | 3.1 | 0.02204 |
| Z | 2260.00:00:00 | 2261.00:00:00 | 9.0 | 176.00 | 3.1 | 0.01102 |
| Z | 2261.00:00:00 | 2262.00:00:00 | 9.0 | 178.00 | 3.1 | 0.01102 |
| Z | 2262.00:00:00 | 2263.00:00:00 | 9.0 | 180.00 | 3.1 | 0.01102 |
| Z | 2263.00:00:00 | 2264.00:00:00 | 9.0 | 182.00 | 3.1 | 0.01102 |
| Z | 2264.00:00:00 | 2265.00:00:00 | 9.0 | 184.00 | 3.1 | 0.01102 |
| Z | 2265.00:00:00 | 2266.00:00:00 | 9.0 | 186.00 | 3.1 | 0.01102 |
| Z | 2266.00:00:00 | 2267.00:00:00 | 9.0 | 188.00 | 3.1 | 0.01102 |
| Z | 2267.00:00:00 | 2268.00:00:00 | 9.0 | 190.00 | 3.1 | 0.01102 |
| Z | 2268.00:00:00 | 2269.00:00:00 | 9.0 | 192.00 | 3.1 | 0.01102 |
| Z | 2269.00:00:00 | 2270.00:00:00 | 9.0 | 194.00 | 3.1 | 0.01102 |
| Z | 2270.00:00:00 | 2271.00:00:00 | 9.0 | 206.00 | 3.1 | 0.03306 |
| Z | 2271.00:00:00 | 2272.00:00:00 | 9.0 | 208.00 | 3.1 | 0.03306 |
| Z | 2272.00:00:00 | 2273.00:00:00 | 9.0 | 210.00 | 3.1 | 0.03306 |
| Z | 2273.00:00:00 | 2274.00:00:00 | 9.0 | 212.00 | 3.1 | 0.03306 |
| Z | 2274.00:00:00 | 2275.00:00:00 | 9.0 | 214.00 | 3.1 | 0.03306 |
| Z | 2275.00:00:00 | 2276.00:00:00 | 9.0 | 216.00 | 3.1 | 0.06613 |
| Z | 2276.00:00:00 | 2277.00:00:00 | 9.0 | 218.00 | 3.1 | 0.06613 |
| Z | 2277.00:00:00 | 2278.00:00:00 | 9.0 | 220.00 | 3.1 | 0.06613 |
| Z | 2278.00:00:00 | 2279.00:00:00 | 9.0 | 222.00 | 3.1 | 0.06613 |
| Z | 2279.00:00:00 | 2280.00:00:00 | 9.0 | 224.00 | 3.1 | 0.06613 |

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| Z | 2280.00:00:00 | 2281.00:00:00 | 9.0  | 226.00 | 3.1 | 0.12123 |
| Z | 2281.00:00:00 | 2282.00:00:00 | 9.0  | 228.00 | 3.1 | 0.12123 |
| Z | 2282.00:00:00 | 2283.00:00:00 | 9.0  | 230.00 | 3.1 | 0.12123 |
| Z | 2283.00:00:00 | 2284.00:00:00 | 9.0  | 232.00 | 3.1 | 0.12123 |
| Z | 2284.00:00:00 | 2285.00:00:00 | 9.0  | 234.00 | 3.1 | 0.12123 |
| Z | 2285.00:00:00 | 2286.00:00:00 | 9.0  | 236.00 | 3.1 | 0.07715 |
| Z | 2286.00:00:00 | 2287.00:00:00 | 9.0  | 238.00 | 3.1 | 0.07715 |
| Z | 2287.00:00:00 | 2288.00:00:00 | 9.0  | 240.00 | 3.1 | 0.07715 |
| Z | 2288.00:00:00 | 2289.00:00:00 | 9.0  | 242.00 | 3.1 | 0.07715 |
| Z | 2289.00:00:00 | 2290.00:00:00 | 9.0  | 244.00 | 3.1 | 0.07715 |
| Z | 2290.00:00:00 | 2291.00:00:00 | 9.0  | 246.00 | 3.1 | 0.17634 |
| Z | 2291.00:00:00 | 2292.00:00:00 | 9.0  | 248.00 | 3.1 | 0.17634 |
| Z | 2292.00:00:00 | 2293.00:00:00 | 9.0  | 250.00 | 3.1 | 0.17634 |
| Z | 2293.00:00:00 | 2294.00:00:00 | 9.0  | 252.00 | 3.1 | 0.17634 |
| Z | 2294.00:00:00 | 2295.00:00:00 | 9.0  | 254.00 | 3.1 | 0.17634 |
| Z | 2295.00:00:00 | 2296.00:00:00 | 9.0  | 256.00 | 3.1 | 0.23145 |
| Z | 2296.00:00:00 | 2297.00:00:00 | 9.0  | 258.00 | 3.1 | 0.23145 |
| Z | 2297.00:00:00 | 2298.00:00:00 | 9.0  | 260.00 | 3.1 | 0.23145 |
| Z | 2298.00:00:00 | 2299.00:00:00 | 9.0  | 262.00 | 3.1 | 0.23145 |
| Z | 2299.00:00:00 | 2300.00:00:00 | 9.0  | 264.00 | 3.1 | 0.23145 |
| Z | 2300.00:00:00 | 2301.00:00:00 | 9.0  | 266.00 | 3.1 | 0.34166 |
| Z | 2301.00:00:00 | 2302.00:00:00 | 9.0  | 268.00 | 3.1 | 0.34166 |
| Z | 2302.00:00:00 | 2303.00:00:00 | 9.0  | 270.00 | 3.1 | 0.34166 |
| Z | 2303.00:00:00 | 2304.00:00:00 | 9.0  | 272.00 | 3.1 | 0.34166 |
| Z | 2304.00:00:00 | 2305.00:00:00 | 9.0  | 274.00 | 3.1 | 0.34166 |
| Z | 2305.00:00:00 | 2306.00:00:00 | 9.0  | 276.00 | 3.1 | 0.41881 |
| Z | 2306.00:00:00 | 2307.00:00:00 | 9.0  | 278.00 | 3.1 | 0.41881 |
| Z | 2307.00:00:00 | 2308.00:00:00 | 9.0  | 280.00 | 3.1 | 0.41881 |
| Z | 2308.00:00:00 | 2309.00:00:00 | 9.0  | 282.00 | 3.1 | 0.41881 |
| Z | 2309.00:00:00 | 2310.00:00:00 | 9.0  | 284.00 | 3.1 | 0.41881 |
| Z | 2310.00:00:00 | 2311.00:00:00 | 9.0  | 286.00 | 3.1 | 0.35268 |
| Z | 2311.00:00:00 | 2312.00:00:00 | 9.0  | 288.00 | 3.1 | 0.35268 |
| Z | 2312.00:00:00 | 2313.00:00:00 | 9.0  | 290.00 | 3.1 | 0.35268 |
| Z | 2313.00:00:00 | 2314.00:00:00 | 9.0  | 292.00 | 3.1 | 0.35268 |
| Z | 2314.00:00:00 | 2315.00:00:00 | 9.0  | 294.00 | 3.1 | 0.35268 |
| Z | 2315.00:00:00 | 2316.00:00:00 | 9.0  | 296.00 | 3.1 | 0.11021 |
| Z | 2316.00:00:00 | 2317.00:00:00 | 9.0  | 298.00 | 3.1 | 0.11021 |
| Z | 2317.00:00:00 | 2318.00:00:00 | 9.0  | 300.00 | 3.1 | 0.11021 |
| Z | 2318.00:00:00 | 2319.00:00:00 | 9.0  | 302.00 | 3.1 | 0.11021 |
| Z | 2319.00:00:00 | 2320.00:00:00 | 9.0  | 304.00 | 3.1 | 0.11021 |
| Z | 2320.00:00:00 | 2321.00:00:00 | 9.0  | 306.00 | 3.1 | 0.02204 |
| Z | 2321.00:00:00 | 2322.00:00:00 | 9.0  | 308.00 | 3.1 | 0.02204 |
| Z | 2322.00:00:00 | 2323.00:00:00 | 9.0  | 310.00 | 3.1 | 0.02204 |
| Z | 2323.00:00:00 | 2324.00:00:00 | 9.0  | 312.00 | 3.1 | 0.02204 |
| Z | 2324.00:00:00 | 2325.00:00:00 | 9.0  | 314.00 | 3.1 | 0.02204 |
| Z | 2325.00:00:00 | 2326.00:00:00 | 9.0  | 316.00 | 3.1 | 0.03306 |
| Z | 2326.00:00:00 | 2327.00:00:00 | 9.0  | 318.00 | 3.1 | 0.03306 |
| Z | 2327.00:00:00 | 2328.00:00:00 | 9.0  | 320.00 | 3.1 | 0.03306 |
| Z | 2328.00:00:00 | 2329.00:00:00 | 9.0  | 322.00 | 3.1 | 0.03306 |
| Z | 2329.00:00:00 | 2330.00:00:00 | 9.0  | 324.00 | 3.1 | 0.03306 |
| Z | 2330.00:00:00 | 2331.00:00:00 | 12.0 | 216.00 | 3.1 | 0.01102 |
| Z | 2331.00:00:00 | 2332.00:00:00 | 12.0 | 218.00 | 3.1 | 0.01102 |
| Z | 2332.00:00:00 | 2333.00:00:00 | 12.0 | 220.00 | 3.1 | 0.01102 |
| Z | 2333.00:00:00 | 2334.00:00:00 | 12.0 | 222.00 | 3.1 | 0.01102 |
| Z | 2334.00:00:00 | 2335.00:00:00 | 12.0 | 224.00 | 3.1 | 0.01102 |
| Z | 2335.00:00:00 | 2336.00:00:00 | 12.0 | 226.00 | 3.1 | 0.02204 |
| Z | 2336.00:00:00 | 2337.00:00:00 | 12.0 | 228.00 | 3.1 | 0.02204 |
| Z | 2337.00:00:00 | 2338.00:00:00 | 12.0 | 230.00 | 3.1 | 0.02204 |
| Z | 2338.00:00:00 | 2339.00:00:00 | 12.0 | 232.00 | 3.1 | 0.02204 |
| Z | 2339.00:00:00 | 2340.00:00:00 | 12.0 | 234.00 | 3.1 | 0.02204 |
| Z | 2340.00:00:00 | 2341.00:00:00 | 12.0 | 256.00 | 3.1 | 0.02204 |

|   |               |               |      |        |     |         |
|---|---------------|---------------|------|--------|-----|---------|
| Z | 2341.00:00:00 | 2342.00:00:00 | 12.0 | 258.00 | 3.1 | 0.02204 |
| Z | 2342.00:00:00 | 2343.00:00:00 | 12.0 | 260.00 | 3.1 | 0.02204 |
| Z | 2343.00:00:00 | 2344.00:00:00 | 12.0 | 262.00 | 3.1 | 0.02204 |
| Z | 2344.00:00:00 | 2345.00:00:00 | 12.0 | 264.00 | 3.1 | 0.02204 |
| Z | 2345.00:00:00 | 2346.00:00:00 | 12.0 | 266.00 | 3.1 | 0.06613 |
| Z | 2346.00:00:00 | 2347.00:00:00 | 12.0 | 268.00 | 3.1 | 0.06613 |
| Z | 2347.00:00:00 | 2348.00:00:00 | 12.0 | 270.00 | 3.1 | 0.06613 |
| Z | 2348.00:00:00 | 2349.00:00:00 | 12.0 | 272.00 | 3.1 | 0.06613 |
| Z | 2349.00:00:00 | 2350.00:00:00 | 12.0 | 274.00 | 3.1 | 0.06613 |
| Z | 2350.00:00:00 | 2351.00:00:00 | 12.0 | 276.00 | 3.1 | 0.03306 |
| Z | 2351.00:00:00 | 2352.00:00:00 | 12.0 | 278.00 | 3.1 | 0.03306 |
| Z | 2352.00:00:00 | 2353.00:00:00 | 12.0 | 280.00 | 3.1 | 0.03306 |
| Z | 2353.00:00:00 | 2354.00:00:00 | 12.0 | 282.00 | 3.1 | 0.03306 |
| Z | 2354.00:00:00 | 2355.00:00:00 | 12.0 | 284.00 | 3.1 | 0.03306 |
| Z | 2355.00:00:00 | 2356.00:00:00 | 12.0 | 306.00 | 3.1 | 0.01102 |
| Z | 2356.00:00:00 | 2357.00:00:00 | 12.0 | 308.00 | 3.1 | 0.01102 |
| Z | 2357.00:00:00 | 2358.00:00:00 | 12.0 | 310.00 | 3.1 | 0.01102 |
| Z | 2358.00:00:00 | 2359.00:00:00 | 12.0 | 312.00 | 3.1 | 0.01102 |
| Z | 2359.00:00:00 | 2360.00:00:00 | 12.0 | 314.00 | 3.1 | 0.01102 |
| Z | 2360.00:00:00 | 2361.00:00:00 | 1.0  | 6.00   | 3.2 | 0.25349 |
| Z | 2361.00:00:00 | 2362.00:00:00 | 1.0  | 8.00   | 3.2 | 0.25349 |
| Z | 2362.00:00:00 | 2363.00:00:00 | 1.0  | 10.00  | 3.2 | 0.25349 |
| Z | 2363.00:00:00 | 2364.00:00:00 | 1.0  | 12.00  | 3.2 | 0.25349 |
| Z | 2364.00:00:00 | 2365.00:00:00 | 1.0  | 14.00  | 3.2 | 0.25349 |
| Z | 2365.00:00:00 | 2366.00:00:00 | 1.0  | 16.00  | 3.2 | 0.23145 |
| Z | 2366.00:00:00 | 2367.00:00:00 | 1.0  | 18.00  | 3.2 | 0.23145 |
| Z | 2367.00:00:00 | 2368.00:00:00 | 1.0  | 20.00  | 3.2 | 0.23145 |
| Z | 2368.00:00:00 | 2369.00:00:00 | 1.0  | 22.00  | 3.2 | 0.23145 |
| Z | 2369.00:00:00 | 2370.00:00:00 | 1.0  | 24.00  | 3.2 | 0.23145 |
| Z | 2370.00:00:00 | 2371.00:00:00 | 1.0  | 26.00  | 3.2 | 0.39676 |
| Z | 2371.00:00:00 | 2372.00:00:00 | 1.0  | 28.00  | 3.2 | 0.39676 |
| Z | 2372.00:00:00 | 2373.00:00:00 | 1.0  | 30.00  | 3.2 | 0.39676 |
| Z | 2373.00:00:00 | 2374.00:00:00 | 1.0  | 32.00  | 3.2 | 0.39676 |
| Z | 2374.00:00:00 | 2375.00:00:00 | 1.0  | 34.00  | 3.2 | 0.39676 |
| Z | 2375.00:00:00 | 2376.00:00:00 | 1.0  | 36.00  | 3.2 | 0.16532 |
| Z | 2376.00:00:00 | 2377.00:00:00 | 1.0  | 38.00  | 3.2 | 0.16532 |
| Z | 2377.00:00:00 | 2378.00:00:00 | 1.0  | 40.00  | 3.2 | 0.16532 |
| Z | 2378.00:00:00 | 2379.00:00:00 | 1.0  | 42.00  | 3.2 | 0.16532 |
| Z | 2379.00:00:00 | 2380.00:00:00 | 1.0  | 44.00  | 3.2 | 0.16532 |
| Z | 2380.00:00:00 | 2381.00:00:00 | 1.0  | 46.00  | 3.2 | 0.28655 |
| Z | 2381.00:00:00 | 2382.00:00:00 | 1.0  | 48.00  | 3.2 | 0.28655 |
| Z | 2382.00:00:00 | 2383.00:00:00 | 1.0  | 50.00  | 3.2 | 0.28655 |
| Z | 2383.00:00:00 | 2384.00:00:00 | 1.0  | 52.00  | 3.2 | 0.28655 |
| Z | 2384.00:00:00 | 2385.00:00:00 | 1.0  | 54.00  | 3.2 | 0.28655 |
| Z | 2385.00:00:00 | 2386.00:00:00 | 1.0  | 56.00  | 3.2 | 0.27553 |
| Z | 2386.00:00:00 | 2387.00:00:00 | 1.0  | 58.00  | 3.2 | 0.27553 |
| Z | 2387.00:00:00 | 2388.00:00:00 | 1.0  | 60.00  | 3.2 | 0.27553 |
| Z | 2388.00:00:00 | 2389.00:00:00 | 1.0  | 62.00  | 3.2 | 0.27553 |
| Z | 2389.00:00:00 | 2390.00:00:00 | 1.0  | 64.00  | 3.2 | 0.27553 |
| Z | 2390.00:00:00 | 2391.00:00:00 | 1.0  | 66.00  | 3.2 | 0.33064 |
| Z | 2391.00:00:00 | 2392.00:00:00 | 1.0  | 68.00  | 3.2 | 0.33064 |
| Z | 2392.00:00:00 | 2393.00:00:00 | 1.0  | 70.00  | 3.2 | 0.33064 |
| Z | 2393.00:00:00 | 2394.00:00:00 | 1.0  | 72.00  | 3.2 | 0.33064 |
| Z | 2394.00:00:00 | 2395.00:00:00 | 1.0  | 74.00  | 3.2 | 0.33064 |
| Z | 2395.00:00:00 | 2396.00:00:00 | 1.0  | 76.00  | 3.2 | 0.39676 |
| Z | 2396.00:00:00 | 2397.00:00:00 | 1.0  | 78.00  | 3.2 | 0.39676 |
| Z | 2397.00:00:00 | 2398.00:00:00 | 1.0  | 80.00  | 3.2 | 0.39676 |
| Z | 2398.00:00:00 | 2399.00:00:00 | 1.0  | 82.00  | 3.2 | 0.39676 |
| Z | 2399.00:00:00 | 2400.00:00:00 | 1.0  | 84.00  | 3.2 | 0.39676 |
| Z | 2400.00:00:00 | 2401.00:00:00 | 1.0  | 86.00  | 3.2 | 0.35268 |
| Z | 2401.00:00:00 | 2402.00:00:00 | 1.0  | 88.00  | 3.2 | 0.35268 |

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| Z 2402.00:00:00 | 2403.00:00:00 | 1.0 | 90.00  | 3.2 | 0.35268 |
| Z 2403.00:00:00 | 2404.00:00:00 | 1.0 | 92.00  | 3.2 | 0.35268 |
| Z 2404.00:00:00 | 2405.00:00:00 | 1.0 | 94.00  | 3.2 | 0.35268 |
| Z 2405.00:00:00 | 2406.00:00:00 | 1.0 | 96.00  | 3.2 | 0.35268 |
| Z 2406.00:00:00 | 2407.00:00:00 | 1.0 | 98.00  | 3.2 | 0.35268 |
| Z 2407.00:00:00 | 2408.00:00:00 | 1.0 | 100.00 | 3.2 | 0.35268 |
| Z 2408.00:00:00 | 2409.00:00:00 | 1.0 | 102.00 | 3.2 | 0.35268 |
| Z 2409.00:00:00 | 2410.00:00:00 | 1.0 | 104.00 | 3.2 | 0.35268 |
| Z 2410.00:00:00 | 2411.00:00:00 | 1.0 | 106.00 | 3.2 | 0.45187 |
| Z 2411.00:00:00 | 2412.00:00:00 | 1.0 | 108.00 | 3.2 | 0.45187 |
| Z 2412.00:00:00 | 2413.00:00:00 | 1.0 | 110.00 | 3.2 | 0.45187 |
| Z 2413.00:00:00 | 2414.00:00:00 | 1.0 | 112.00 | 3.2 | 0.45187 |
| Z 2414.00:00:00 | 2415.00:00:00 | 1.0 | 114.00 | 3.2 | 0.45187 |
| Z 2415.00:00:00 | 2416.00:00:00 | 1.0 | 116.00 | 3.2 | 0.49595 |
| Z 2416.00:00:00 | 2417.00:00:00 | 1.0 | 118.00 | 3.2 | 0.49595 |
| Z 2417.00:00:00 | 2418.00:00:00 | 1.0 | 120.00 | 3.2 | 0.49595 |
| Z 2418.00:00:00 | 2419.00:00:00 | 1.0 | 122.00 | 3.2 | 0.49595 |
| Z 2419.00:00:00 | 2420.00:00:00 | 1.0 | 124.00 | 3.2 | 0.49595 |
| Z 2420.00:00:00 | 2421.00:00:00 | 1.0 | 126.00 | 3.2 | 0.61719 |
| Z 2421.00:00:00 | 2422.00:00:00 | 1.0 | 128.00 | 3.2 | 0.61719 |
| Z 2422.00:00:00 | 2423.00:00:00 | 1.0 | 130.00 | 3.2 | 0.61719 |
| Z 2423.00:00:00 | 2424.00:00:00 | 1.0 | 132.00 | 3.2 | 0.61719 |
| Z 2424.00:00:00 | 2425.00:00:00 | 1.0 | 134.00 | 3.2 | 0.61719 |
| Z 2425.00:00:00 | 2426.00:00:00 | 1.0 | 136.00 | 3.2 | 0.72740 |
| Z 2426.00:00:00 | 2427.00:00:00 | 1.0 | 138.00 | 3.2 | 0.72740 |
| Z 2427.00:00:00 | 2428.00:00:00 | 1.0 | 140.00 | 3.2 | 0.72740 |
| Z 2428.00:00:00 | 2429.00:00:00 | 1.0 | 142.00 | 3.2 | 0.72740 |
| Z 2429.00:00:00 | 2430.00:00:00 | 1.0 | 144.00 | 3.2 | 0.72740 |
| Z 2430.00:00:00 | 2431.00:00:00 | 1.0 | 146.00 | 3.2 | 0.54004 |
| Z 2431.00:00:00 | 2432.00:00:00 | 1.0 | 148.00 | 3.2 | 0.54004 |
| Z 2432.00:00:00 | 2433.00:00:00 | 1.0 | 150.00 | 3.2 | 0.54004 |
| Z 2433.00:00:00 | 2434.00:00:00 | 1.0 | 152.00 | 3.2 | 0.54004 |
| Z 2434.00:00:00 | 2435.00:00:00 | 1.0 | 154.00 | 3.2 | 0.54004 |
| Z 2435.00:00:00 | 2436.00:00:00 | 1.0 | 156.00 | 3.2 | 0.49595 |
| Z 2436.00:00:00 | 2437.00:00:00 | 1.0 | 158.00 | 3.2 | 0.49595 |
| Z 2437.00:00:00 | 2438.00:00:00 | 1.0 | 160.00 | 3.2 | 0.49595 |
| Z 2438.00:00:00 | 2439.00:00:00 | 1.0 | 162.00 | 3.2 | 0.49595 |
| Z 2439.00:00:00 | 2440.00:00:00 | 1.0 | 164.00 | 3.2 | 0.49595 |
| Z 2440.00:00:00 | 2441.00:00:00 | 1.0 | 166.00 | 3.2 | 0.50698 |
| Z 2441.00:00:00 | 2442.00:00:00 | 1.0 | 168.00 | 3.2 | 0.50698 |
| Z 2442.00:00:00 | 2443.00:00:00 | 1.0 | 170.00 | 3.2 | 0.50698 |
| Z 2443.00:00:00 | 2444.00:00:00 | 1.0 | 172.00 | 3.2 | 0.50698 |
| Z 2444.00:00:00 | 2445.00:00:00 | 1.0 | 174.00 | 3.2 | 0.50698 |
| Z 2445.00:00:00 | 2446.00:00:00 | 1.0 | 176.00 | 3.2 | 0.40778 |
| Z 2446.00:00:00 | 2447.00:00:00 | 1.0 | 178.00 | 3.2 | 0.40778 |
| Z 2447.00:00:00 | 2448.00:00:00 | 1.0 | 180.00 | 3.2 | 0.40778 |
| Z 2448.00:00:00 | 2449.00:00:00 | 1.0 | 182.00 | 3.2 | 0.40778 |
| Z 2449.00:00:00 | 2450.00:00:00 | 1.0 | 184.00 | 3.2 | 0.40778 |
| Z 2450.00:00:00 | 2451.00:00:00 | 1.0 | 186.00 | 3.2 | 0.28655 |
| Z 2451.00:00:00 | 2452.00:00:00 | 1.0 | 188.00 | 3.2 | 0.28655 |
| Z 2452.00:00:00 | 2453.00:00:00 | 1.0 | 190.00 | 3.2 | 0.28655 |
| Z 2453.00:00:00 | 2454.00:00:00 | 1.0 | 192.00 | 3.2 | 0.28655 |
| Z 2454.00:00:00 | 2455.00:00:00 | 1.0 | 194.00 | 3.2 | 0.28655 |
| Z 2455.00:00:00 | 2456.00:00:00 | 1.0 | 196.00 | 3.2 | 0.31962 |
| Z 2456.00:00:00 | 2457.00:00:00 | 1.0 | 198.00 | 3.2 | 0.31962 |
| Z 2457.00:00:00 | 2458.00:00:00 | 1.0 | 200.00 | 3.2 | 0.31962 |
| Z 2458.00:00:00 | 2459.00:00:00 | 1.0 | 202.00 | 3.2 | 0.31962 |
| Z 2459.00:00:00 | 2460.00:00:00 | 1.0 | 204.00 | 3.2 | 0.31962 |
| Z 2460.00:00:00 | 2461.00:00:00 | 1.0 | 206.00 | 3.2 | 0.24247 |
| Z 2461.00:00:00 | 2462.00:00:00 | 1.0 | 208.00 | 3.2 | 0.24247 |
| Z 2462.00:00:00 | 2463.00:00:00 | 1.0 | 210.00 | 3.2 | 0.24247 |

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| Z 2463.00:00:00 | 2464.00:00:00 | 1.0 | 212.00 | 3.2 | 0.24247 |
| Z 2464.00:00:00 | 2465.00:00:00 | 1.0 | 214.00 | 3.2 | 0.24247 |
| Z 2465.00:00:00 | 2466.00:00:00 | 1.0 | 216.00 | 3.2 | 0.36370 |
| Z 2466.00:00:00 | 2467.00:00:00 | 1.0 | 218.00 | 3.2 | 0.36370 |
| Z 2467.00:00:00 | 2468.00:00:00 | 1.0 | 220.00 | 3.2 | 0.36370 |
| Z 2468.00:00:00 | 2469.00:00:00 | 1.0 | 222.00 | 3.2 | 0.36370 |
| Z 2469.00:00:00 | 2470.00:00:00 | 1.0 | 224.00 | 3.2 | 0.36370 |
| Z 2470.00:00:00 | 2471.00:00:00 | 1.0 | 226.00 | 3.2 | 0.28655 |
| Z 2471.00:00:00 | 2472.00:00:00 | 1.0 | 228.00 | 3.2 | 0.28655 |
| Z 2472.00:00:00 | 2473.00:00:00 | 1.0 | 230.00 | 3.2 | 0.28655 |
| Z 2473.00:00:00 | 2474.00:00:00 | 1.0 | 232.00 | 3.2 | 0.28655 |
| Z 2474.00:00:00 | 2475.00:00:00 | 1.0 | 234.00 | 3.2 | 0.28655 |
| Z 2475.00:00:00 | 2476.00:00:00 | 1.0 | 236.00 | 3.2 | 0.31962 |
| Z 2476.00:00:00 | 2477.00:00:00 | 1.0 | 238.00 | 3.2 | 0.31962 |
| Z 2477.00:00:00 | 2478.00:00:00 | 1.0 | 240.00 | 3.2 | 0.31962 |
| Z 2478.00:00:00 | 2479.00:00:00 | 1.0 | 242.00 | 3.2 | 0.31962 |
| Z 2479.00:00:00 | 2480.00:00:00 | 1.0 | 244.00 | 3.2 | 0.31962 |
| Z 2480.00:00:00 | 2481.00:00:00 | 1.0 | 246.00 | 3.2 | 0.31962 |
| Z 2481.00:00:00 | 2482.00:00:00 | 1.0 | 248.00 | 3.2 | 0.31962 |
| Z 2482.00:00:00 | 2483.00:00:00 | 1.0 | 250.00 | 3.2 | 0.31962 |
| Z 2483.00:00:00 | 2484.00:00:00 | 1.0 | 252.00 | 3.2 | 0.31962 |
| Z 2484.00:00:00 | 2485.00:00:00 | 1.0 | 254.00 | 3.2 | 0.31962 |
| Z 2485.00:00:00 | 2486.00:00:00 | 1.0 | 256.00 | 3.2 | 0.28655 |
| Z 2486.00:00:00 | 2487.00:00:00 | 1.0 | 258.00 | 3.2 | 0.28655 |
| Z 2487.00:00:00 | 2488.00:00:00 | 1.0 | 260.00 | 3.2 | 0.28655 |
| Z 2488.00:00:00 | 2489.00:00:00 | 1.0 | 262.00 | 3.2 | 0.28655 |
| Z 2489.00:00:00 | 2490.00:00:00 | 1.0 | 264.00 | 3.2 | 0.28655 |
| Z 2490.00:00:00 | 2491.00:00:00 | 1.0 | 266.00 | 3.2 | 0.42983 |
| Z 2491.00:00:00 | 2492.00:00:00 | 1.0 | 268.00 | 3.2 | 0.42983 |
| Z 2492.00:00:00 | 2493.00:00:00 | 1.0 | 270.00 | 3.2 | 0.42983 |
| Z 2493.00:00:00 | 2494.00:00:00 | 1.0 | 272.00 | 3.2 | 0.42983 |
| Z 2494.00:00:00 | 2495.00:00:00 | 1.0 | 274.00 | 3.2 | 0.42983 |
| Z 2495.00:00:00 | 2496.00:00:00 | 1.0 | 276.00 | 3.2 | 0.27553 |
| Z 2496.00:00:00 | 2497.00:00:00 | 1.0 | 278.00 | 3.2 | 0.27553 |
| Z 2497.00:00:00 | 2498.00:00:00 | 1.0 | 280.00 | 3.2 | 0.27553 |
| Z 2498.00:00:00 | 2499.00:00:00 | 1.0 | 282.00 | 3.2 | 0.27553 |
| Z 2499.00:00:00 | 2500.00:00:00 | 1.0 | 284.00 | 3.2 | 0.27553 |
| Z 2500.00:00:00 | 2501.00:00:00 | 1.0 | 286.00 | 3.2 | 0.30859 |
| Z 2501.00:00:00 | 2502.00:00:00 | 1.0 | 288.00 | 3.2 | 0.30859 |
| Z 2502.00:00:00 | 2503.00:00:00 | 1.0 | 290.00 | 3.2 | 0.30859 |
| Z 2503.00:00:00 | 2504.00:00:00 | 1.0 | 292.00 | 3.2 | 0.30859 |
| Z 2504.00:00:00 | 2505.00:00:00 | 1.0 | 294.00 | 3.2 | 0.30859 |
| Z 2505.00:00:00 | 2506.00:00:00 | 1.0 | 296.00 | 3.2 | 0.36370 |
| Z 2506.00:00:00 | 2507.00:00:00 | 1.0 | 298.00 | 3.2 | 0.36370 |
| Z 2507.00:00:00 | 2508.00:00:00 | 1.0 | 300.00 | 3.2 | 0.36370 |
| Z 2508.00:00:00 | 2509.00:00:00 | 1.0 | 302.00 | 3.2 | 0.36370 |
| Z 2509.00:00:00 | 2510.00:00:00 | 1.0 | 304.00 | 3.2 | 0.36370 |
| Z 2510.00:00:00 | 2511.00:00:00 | 1.0 | 306.00 | 3.2 | 0.54004 |
| Z 2511.00:00:00 | 2512.00:00:00 | 1.0 | 308.00 | 3.2 | 0.54004 |
| Z 2512.00:00:00 | 2513.00:00:00 | 1.0 | 310.00 | 3.2 | 0.54004 |
| Z 2513.00:00:00 | 2514.00:00:00 | 1.0 | 312.00 | 3.2 | 0.54004 |
| Z 2514.00:00:00 | 2515.00:00:00 | 1.0 | 314.00 | 3.2 | 0.54004 |
| Z 2515.00:00:00 | 2516.00:00:00 | 1.0 | 316.00 | 3.2 | 0.28655 |
| Z 2516.00:00:00 | 2517.00:00:00 | 1.0 | 318.00 | 3.2 | 0.28655 |
| Z 2517.00:00:00 | 2518.00:00:00 | 1.0 | 320.00 | 3.2 | 0.28655 |
| Z 2518.00:00:00 | 2519.00:00:00 | 1.0 | 322.00 | 3.2 | 0.28655 |
| Z 2519.00:00:00 | 2520.00:00:00 | 1.0 | 324.00 | 3.2 | 0.28655 |
| Z 2520.00:00:00 | 2521.00:00:00 | 1.0 | 326.00 | 3.2 | 0.31962 |
| Z 2521.00:00:00 | 2522.00:00:00 | 1.0 | 328.00 | 3.2 | 0.31962 |
| Z 2522.00:00:00 | 2523.00:00:00 | 1.0 | 330.00 | 3.2 | 0.31962 |
| Z 2523.00:00:00 | 2524.00:00:00 | 1.0 | 332.00 | 3.2 | 0.31962 |

|   |               |               |     |        |     |         |
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| Z | 2524.00:00:00 | 2525.00:00:00 | 1.0 | 334.00 | 3.2 | 0.31962 |
| Z | 2525.00:00:00 | 2526.00:00:00 | 1.0 | 336.00 | 3.2 | 0.26451 |
| Z | 2526.00:00:00 | 2527.00:00:00 | 1.0 | 338.00 | 3.2 | 0.26451 |
| Z | 2527.00:00:00 | 2528.00:00:00 | 1.0 | 340.00 | 3.2 | 0.26451 |
| Z | 2528.00:00:00 | 2529.00:00:00 | 1.0 | 342.00 | 3.2 | 0.26451 |
| Z | 2529.00:00:00 | 2530.00:00:00 | 1.0 | 344.00 | 3.2 | 0.26451 |
| Z | 2530.00:00:00 | 2531.00:00:00 | 1.0 | 346.00 | 3.2 | 0.18736 |
| Z | 2531.00:00:00 | 2532.00:00:00 | 1.0 | 348.00 | 3.2 | 0.18736 |
| Z | 2532.00:00:00 | 2533.00:00:00 | 1.0 | 350.00 | 3.2 | 0.18736 |
| Z | 2533.00:00:00 | 2534.00:00:00 | 1.0 | 352.00 | 3.2 | 0.18736 |
| Z | 2534.00:00:00 | 2535.00:00:00 | 1.0 | 354.00 | 3.2 | 0.18736 |
| Z | 2535.00:00:00 | 2536.00:00:00 | 1.0 | 356.00 | 3.2 | 0.22042 |
| Z | 2536.00:00:00 | 2537.00:00:00 | 1.0 | 358.00 | 3.2 | 0.22042 |
| Z | 2537.00:00:00 | 2538.00:00:00 | 1.0 | 360.00 | 3.2 | 0.22042 |
| Z | 2538.00:00:00 | 2539.00:00:00 | 1.0 | 362.00 | 3.2 | 0.22042 |
| Z | 2539.00:00:00 | 2540.00:00:00 | 1.0 | 364.00 | 3.2 | 0.22042 |
| Z | 2540.00:00:00 | 2541.00:00:00 | 1.5 | 6.00   | 3.2 | 0.33064 |
| Z | 2541.00:00:00 | 2542.00:00:00 | 1.5 | 8.00   | 3.2 | 0.33064 |
| Z | 2542.00:00:00 | 2543.00:00:00 | 1.5 | 10.00  | 3.2 | 0.33064 |
| Z | 2543.00:00:00 | 2544.00:00:00 | 1.5 | 12.00  | 3.2 | 0.33064 |
| Z | 2544.00:00:00 | 2545.00:00:00 | 1.5 | 14.00  | 3.2 | 0.33064 |
| Z | 2545.00:00:00 | 2546.00:00:00 | 1.5 | 16.00  | 3.2 | 0.19838 |
| Z | 2546.00:00:00 | 2547.00:00:00 | 1.5 | 18.00  | 3.2 | 0.19838 |
| Z | 2547.00:00:00 | 2548.00:00:00 | 1.5 | 20.00  | 3.2 | 0.19838 |
| Z | 2548.00:00:00 | 2549.00:00:00 | 1.5 | 22.00  | 3.2 | 0.19838 |
| Z | 2549.00:00:00 | 2550.00:00:00 | 1.5 | 24.00  | 3.2 | 0.19838 |
| Z | 2550.00:00:00 | 2551.00:00:00 | 1.5 | 26.00  | 3.2 | 0.34166 |
| Z | 2551.00:00:00 | 2552.00:00:00 | 1.5 | 28.00  | 3.2 | 0.34166 |
| Z | 2552.00:00:00 | 2553.00:00:00 | 1.5 | 30.00  | 3.2 | 0.34166 |
| Z | 2553.00:00:00 | 2554.00:00:00 | 1.5 | 32.00  | 3.2 | 0.34166 |
| Z | 2554.00:00:00 | 2555.00:00:00 | 1.5 | 34.00  | 3.2 | 0.34166 |
| Z | 2555.00:00:00 | 2556.00:00:00 | 1.5 | 36.00  | 3.2 | 0.40778 |
| Z | 2556.00:00:00 | 2557.00:00:00 | 1.5 | 38.00  | 3.2 | 0.40778 |
| Z | 2557.00:00:00 | 2558.00:00:00 | 1.5 | 40.00  | 3.2 | 0.40778 |
| Z | 2558.00:00:00 | 2559.00:00:00 | 1.5 | 42.00  | 3.2 | 0.40778 |
| Z | 2559.00:00:00 | 2560.00:00:00 | 1.5 | 44.00  | 3.2 | 0.40778 |
| Z | 2560.00:00:00 | 2561.00:00:00 | 1.5 | 46.00  | 3.2 | 0.56208 |
| Z | 2561.00:00:00 | 2562.00:00:00 | 1.5 | 48.00  | 3.2 | 0.56208 |
| Z | 2562.00:00:00 | 2563.00:00:00 | 1.5 | 50.00  | 3.2 | 0.56208 |
| Z | 2563.00:00:00 | 2564.00:00:00 | 1.5 | 52.00  | 3.2 | 0.56208 |
| Z | 2564.00:00:00 | 2565.00:00:00 | 1.5 | 54.00  | 3.2 | 0.56208 |
| Z | 2565.00:00:00 | 2566.00:00:00 | 1.5 | 56.00  | 3.2 | 0.31962 |
| Z | 2566.00:00:00 | 2567.00:00:00 | 1.5 | 58.00  | 3.2 | 0.31962 |
| Z | 2567.00:00:00 | 2568.00:00:00 | 1.5 | 60.00  | 3.2 | 0.31962 |
| Z | 2568.00:00:00 | 2569.00:00:00 | 1.5 | 62.00  | 3.2 | 0.31962 |
| Z | 2569.00:00:00 | 2570.00:00:00 | 1.5 | 64.00  | 3.2 | 0.31962 |
| Z | 2570.00:00:00 | 2571.00:00:00 | 1.5 | 66.00  | 3.2 | 0.40778 |
| Z | 2571.00:00:00 | 2572.00:00:00 | 1.5 | 68.00  | 3.2 | 0.40778 |
| Z | 2572.00:00:00 | 2573.00:00:00 | 1.5 | 70.00  | 3.2 | 0.40778 |
| Z | 2573.00:00:00 | 2574.00:00:00 | 1.5 | 72.00  | 3.2 | 0.40778 |
| Z | 2574.00:00:00 | 2575.00:00:00 | 1.5 | 74.00  | 3.2 | 0.40778 |
| Z | 2575.00:00:00 | 2576.00:00:00 | 1.5 | 76.00  | 3.2 | 0.42983 |
| Z | 2576.00:00:00 | 2577.00:00:00 | 1.5 | 78.00  | 3.2 | 0.42983 |
| Z | 2577.00:00:00 | 2578.00:00:00 | 1.5 | 80.00  | 3.2 | 0.42983 |
| Z | 2578.00:00:00 | 2579.00:00:00 | 1.5 | 82.00  | 3.2 | 0.42983 |
| Z | 2579.00:00:00 | 2580.00:00:00 | 1.5 | 84.00  | 3.2 | 0.42983 |
| Z | 2580.00:00:00 | 2581.00:00:00 | 1.5 | 86.00  | 3.2 | 0.41881 |
| Z | 2581.00:00:00 | 2582.00:00:00 | 1.5 | 88.00  | 3.2 | 0.41881 |
| Z | 2582.00:00:00 | 2583.00:00:00 | 1.5 | 90.00  | 3.2 | 0.41881 |
| Z | 2583.00:00:00 | 2584.00:00:00 | 1.5 | 92.00  | 3.2 | 0.41881 |
| Z | 2584.00:00:00 | 2585.00:00:00 | 1.5 | 94.00  | 3.2 | 0.41881 |

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| Z 2585.00:00:00 | 2586.00:00:00 | 1.5 | 96.00  | 3.2 | 0.34166 |
| Z 2586.00:00:00 | 2587.00:00:00 | 1.5 | 98.00  | 3.2 | 0.34166 |
| Z 2587.00:00:00 | 2588.00:00:00 | 1.5 | 100.00 | 3.2 | 0.34166 |
| Z 2588.00:00:00 | 2589.00:00:00 | 1.5 | 102.00 | 3.2 | 0.34166 |
| Z 2589.00:00:00 | 2590.00:00:00 | 1.5 | 104.00 | 3.2 | 0.34166 |
| Z 2590.00:00:00 | 2591.00:00:00 | 1.5 | 106.00 | 3.2 | 0.45187 |
| Z 2591.00:00:00 | 2592.00:00:00 | 1.5 | 108.00 | 3.2 | 0.45187 |
| Z 2592.00:00:00 | 2593.00:00:00 | 1.5 | 110.00 | 3.2 | 0.45187 |
| Z 2593.00:00:00 | 2594.00:00:00 | 1.5 | 112.00 | 3.2 | 0.45187 |
| Z 2594.00:00:00 | 2595.00:00:00 | 1.5 | 114.00 | 3.2 | 0.45187 |
| Z 2595.00:00:00 | 2596.00:00:00 | 1.5 | 116.00 | 3.2 | 0.56208 |
| Z 2596.00:00:00 | 2597.00:00:00 | 1.5 | 118.00 | 3.2 | 0.56208 |
| Z 2597.00:00:00 | 2598.00:00:00 | 1.5 | 120.00 | 3.2 | 0.56208 |
| Z 2598.00:00:00 | 2599.00:00:00 | 1.5 | 122.00 | 3.2 | 0.56208 |
| Z 2599.00:00:00 | 2600.00:00:00 | 1.5 | 124.00 | 3.2 | 0.56208 |
| Z 2600.00:00:00 | 2601.00:00:00 | 1.5 | 126.00 | 3.2 | 0.82659 |
| Z 2601.00:00:00 | 2602.00:00:00 | 1.5 | 128.00 | 3.2 | 0.82659 |
| Z 2602.00:00:00 | 2603.00:00:00 | 1.5 | 130.00 | 3.2 | 0.82659 |
| Z 2603.00:00:00 | 2604.00:00:00 | 1.5 | 132.00 | 3.2 | 0.82659 |
| Z 2604.00:00:00 | 2605.00:00:00 | 1.5 | 134.00 | 3.2 | 0.82659 |
| Z 2605.00:00:00 | 2606.00:00:00 | 1.5 | 136.00 | 3.2 | 0.83761 |
| Z 2606.00:00:00 | 2607.00:00:00 | 1.5 | 138.00 | 3.2 | 0.83761 |
| Z 2607.00:00:00 | 2608.00:00:00 | 1.5 | 140.00 | 3.2 | 0.83761 |
| Z 2608.00:00:00 | 2609.00:00:00 | 1.5 | 142.00 | 3.2 | 0.83761 |
| Z 2609.00:00:00 | 2610.00:00:00 | 1.5 | 144.00 | 3.2 | 0.83761 |
| Z 2610.00:00:00 | 2611.00:00:00 | 1.5 | 146.00 | 3.2 | 0.87068 |
| Z 2611.00:00:00 | 2612.00:00:00 | 1.5 | 148.00 | 3.2 | 0.87068 |
| Z 2612.00:00:00 | 2613.00:00:00 | 1.5 | 150.00 | 3.2 | 0.87068 |
| Z 2613.00:00:00 | 2614.00:00:00 | 1.5 | 152.00 | 3.2 | 0.87068 |
| Z 2614.00:00:00 | 2615.00:00:00 | 1.5 | 154.00 | 3.2 | 0.87068 |
| Z 2615.00:00:00 | 2616.00:00:00 | 1.5 | 156.00 | 3.2 | 0.73842 |
| Z 2616.00:00:00 | 2617.00:00:00 | 1.5 | 158.00 | 3.2 | 0.73842 |
| Z 2617.00:00:00 | 2618.00:00:00 | 1.5 | 160.00 | 3.2 | 0.73842 |
| Z 2618.00:00:00 | 2619.00:00:00 | 1.5 | 162.00 | 3.2 | 0.73842 |
| Z 2619.00:00:00 | 2620.00:00:00 | 1.5 | 164.00 | 3.2 | 0.73842 |
| Z 2620.00:00:00 | 2621.00:00:00 | 1.5 | 166.00 | 3.2 | 0.77148 |
| Z 2621.00:00:00 | 2622.00:00:00 | 1.5 | 168.00 | 3.2 | 0.77148 |
| Z 2622.00:00:00 | 2623.00:00:00 | 1.5 | 170.00 | 3.2 | 0.77148 |
| Z 2623.00:00:00 | 2624.00:00:00 | 1.5 | 172.00 | 3.2 | 0.77148 |
| Z 2624.00:00:00 | 2625.00:00:00 | 1.5 | 174.00 | 3.2 | 0.77148 |
| Z 2625.00:00:00 | 2626.00:00:00 | 1.5 | 176.00 | 3.2 | 0.68332 |
| Z 2626.00:00:00 | 2627.00:00:00 | 1.5 | 178.00 | 3.2 | 0.68332 |
| Z 2627.00:00:00 | 2628.00:00:00 | 1.5 | 180.00 | 3.2 | 0.68332 |
| Z 2628.00:00:00 | 2629.00:00:00 | 1.5 | 182.00 | 3.2 | 0.68332 |
| Z 2629.00:00:00 | 2630.00:00:00 | 1.5 | 184.00 | 3.2 | 0.68332 |
| Z 2630.00:00:00 | 2631.00:00:00 | 1.5 | 186.00 | 3.2 | 0.70536 |
| Z 2631.00:00:00 | 2632.00:00:00 | 1.5 | 188.00 | 3.2 | 0.70536 |
| Z 2632.00:00:00 | 2633.00:00:00 | 1.5 | 190.00 | 3.2 | 0.70536 |
| Z 2633.00:00:00 | 2634.00:00:00 | 1.5 | 192.00 | 3.2 | 0.70536 |
| Z 2634.00:00:00 | 2635.00:00:00 | 1.5 | 194.00 | 3.2 | 0.70536 |
| Z 2635.00:00:00 | 2636.00:00:00 | 1.5 | 196.00 | 3.2 | 0.41881 |
| Z 2636.00:00:00 | 2637.00:00:00 | 1.5 | 198.00 | 3.2 | 0.41881 |
| Z 2637.00:00:00 | 2638.00:00:00 | 1.5 | 200.00 | 3.2 | 0.41881 |
| Z 2638.00:00:00 | 2639.00:00:00 | 1.5 | 202.00 | 3.2 | 0.41881 |
| Z 2639.00:00:00 | 2640.00:00:00 | 1.5 | 204.00 | 3.2 | 0.41881 |
| Z 2640.00:00:00 | 2641.00:00:00 | 1.5 | 206.00 | 3.2 | 0.55106 |
| Z 2641.00:00:00 | 2642.00:00:00 | 1.5 | 208.00 | 3.2 | 0.55106 |
| Z 2642.00:00:00 | 2643.00:00:00 | 1.5 | 210.00 | 3.2 | 0.55106 |
| Z 2643.00:00:00 | 2644.00:00:00 | 1.5 | 212.00 | 3.2 | 0.55106 |
| Z 2644.00:00:00 | 2645.00:00:00 | 1.5 | 214.00 | 3.2 | 0.55106 |
| Z 2645.00:00:00 | 2646.00:00:00 | 1.5 | 216.00 | 3.2 | 0.61719 |

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| Z 2646.00:00:00 | 2647.00:00:00 | 1.5 | 218.00 | 3.2 | 0.61719 |
| Z 2647.00:00:00 | 2648.00:00:00 | 1.5 | 220.00 | 3.2 | 0.61719 |
| Z 2648.00:00:00 | 2649.00:00:00 | 1.5 | 222.00 | 3.2 | 0.61719 |
| Z 2649.00:00:00 | 2650.00:00:00 | 1.5 | 224.00 | 3.2 | 0.61719 |
| Z 2650.00:00:00 | 2651.00:00:00 | 1.5 | 226.00 | 3.2 | 0.51800 |
| Z 2651.00:00:00 | 2652.00:00:00 | 1.5 | 228.00 | 3.2 | 0.51800 |
| Z 2652.00:00:00 | 2653.00:00:00 | 1.5 | 230.00 | 3.2 | 0.51800 |
| Z 2653.00:00:00 | 2654.00:00:00 | 1.5 | 232.00 | 3.2 | 0.51800 |
| Z 2654.00:00:00 | 2655.00:00:00 | 1.5 | 234.00 | 3.2 | 0.51800 |
| Z 2655.00:00:00 | 2656.00:00:00 | 1.5 | 236.00 | 3.2 | 0.42983 |
| Z 2656.00:00:00 | 2657.00:00:00 | 1.5 | 238.00 | 3.2 | 0.42983 |
| Z 2657.00:00:00 | 2658.00:00:00 | 1.5 | 240.00 | 3.2 | 0.42983 |
| Z 2658.00:00:00 | 2659.00:00:00 | 1.5 | 242.00 | 3.2 | 0.42983 |
| Z 2659.00:00:00 | 2660.00:00:00 | 1.5 | 244.00 | 3.2 | 0.42983 |
| Z 2660.00:00:00 | 2661.00:00:00 | 1.5 | 246.00 | 3.2 | 0.57310 |
| Z 2661.00:00:00 | 2662.00:00:00 | 1.5 | 248.00 | 3.2 | 0.57310 |
| Z 2662.00:00:00 | 2663.00:00:00 | 1.5 | 250.00 | 3.2 | 0.57310 |
| Z 2663.00:00:00 | 2664.00:00:00 | 1.5 | 252.00 | 3.2 | 0.57310 |
| Z 2664.00:00:00 | 2665.00:00:00 | 1.5 | 254.00 | 3.2 | 0.57310 |
| Z 2665.00:00:00 | 2666.00:00:00 | 1.5 | 256.00 | 3.2 | 0.59515 |
| Z 2666.00:00:00 | 2667.00:00:00 | 1.5 | 258.00 | 3.2 | 0.59515 |
| Z 2667.00:00:00 | 2668.00:00:00 | 1.5 | 260.00 | 3.2 | 0.59515 |
| Z 2668.00:00:00 | 2669.00:00:00 | 1.5 | 262.00 | 3.2 | 0.59515 |
| Z 2669.00:00:00 | 2670.00:00:00 | 1.5 | 264.00 | 3.2 | 0.59515 |
| Z 2670.00:00:00 | 2671.00:00:00 | 1.5 | 266.00 | 3.2 | 0.54004 |
| Z 2671.00:00:00 | 2672.00:00:00 | 1.5 | 268.00 | 3.2 | 0.54004 |
| Z 2672.00:00:00 | 2673.00:00:00 | 1.5 | 270.00 | 3.2 | 0.54004 |
| Z 2673.00:00:00 | 2674.00:00:00 | 1.5 | 272.00 | 3.2 | 0.54004 |
| Z 2674.00:00:00 | 2675.00:00:00 | 1.5 | 274.00 | 3.2 | 0.54004 |
| Z 2675.00:00:00 | 2676.00:00:00 | 1.5 | 276.00 | 3.2 | 0.68332 |
| Z 2676.00:00:00 | 2677.00:00:00 | 1.5 | 278.00 | 3.2 | 0.68332 |
| Z 2677.00:00:00 | 2678.00:00:00 | 1.5 | 280.00 | 3.2 | 0.68332 |
| Z 2678.00:00:00 | 2679.00:00:00 | 1.5 | 282.00 | 3.2 | 0.68332 |
| Z 2679.00:00:00 | 2680.00:00:00 | 1.5 | 284.00 | 3.2 | 0.68332 |
| Z 2680.00:00:00 | 2681.00:00:00 | 1.5 | 286.00 | 3.2 | 0.60617 |
| Z 2681.00:00:00 | 2682.00:00:00 | 1.5 | 288.00 | 3.2 | 0.60617 |
| Z 2682.00:00:00 | 2683.00:00:00 | 1.5 | 290.00 | 3.2 | 0.60617 |
| Z 2683.00:00:00 | 2684.00:00:00 | 1.5 | 292.00 | 3.2 | 0.60617 |
| Z 2684.00:00:00 | 2685.00:00:00 | 1.5 | 294.00 | 3.2 | 0.60617 |
| Z 2685.00:00:00 | 2686.00:00:00 | 1.5 | 296.00 | 3.2 | 0.74944 |
| Z 2686.00:00:00 | 2687.00:00:00 | 1.5 | 298.00 | 3.2 | 0.74944 |
| Z 2687.00:00:00 | 2688.00:00:00 | 1.5 | 300.00 | 3.2 | 0.74944 |
| Z 2688.00:00:00 | 2689.00:00:00 | 1.5 | 302.00 | 3.2 | 0.74944 |
| Z 2689.00:00:00 | 2690.00:00:00 | 1.5 | 304.00 | 3.2 | 0.74944 |
| Z 2690.00:00:00 | 2691.00:00:00 | 1.5 | 306.00 | 3.2 | 0.74944 |
| Z 2691.00:00:00 | 2692.00:00:00 | 1.5 | 308.00 | 3.2 | 0.74944 |
| Z 2692.00:00:00 | 2693.00:00:00 | 1.5 | 310.00 | 3.2 | 0.74944 |
| Z 2693.00:00:00 | 2694.00:00:00 | 1.5 | 312.00 | 3.2 | 0.74944 |
| Z 2694.00:00:00 | 2695.00:00:00 | 1.5 | 314.00 | 3.2 | 0.74944 |
| Z 2695.00:00:00 | 2696.00:00:00 | 1.5 | 316.00 | 3.2 | 0.42983 |
| Z 2696.00:00:00 | 2697.00:00:00 | 1.5 | 318.00 | 3.2 | 0.42983 |
| Z 2697.00:00:00 | 2698.00:00:00 | 1.5 | 320.00 | 3.2 | 0.42983 |
| Z 2698.00:00:00 | 2699.00:00:00 | 1.5 | 322.00 | 3.2 | 0.42983 |
| Z 2699.00:00:00 | 2700.00:00:00 | 1.5 | 324.00 | 3.2 | 0.42983 |
| Z 2700.00:00:00 | 2701.00:00:00 | 1.5 | 326.00 | 3.2 | 0.48493 |
| Z 2701.00:00:00 | 2702.00:00:00 | 1.5 | 328.00 | 3.2 | 0.48493 |
| Z 2702.00:00:00 | 2703.00:00:00 | 1.5 | 330.00 | 3.2 | 0.48493 |
| Z 2703.00:00:00 | 2704.00:00:00 | 1.5 | 332.00 | 3.2 | 0.48493 |
| Z 2704.00:00:00 | 2705.00:00:00 | 1.5 | 334.00 | 3.2 | 0.48493 |
| Z 2705.00:00:00 | 2706.00:00:00 | 1.5 | 336.00 | 3.2 | 0.46289 |
| Z 2706.00:00:00 | 2707.00:00:00 | 1.5 | 338.00 | 3.2 | 0.46289 |

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| Z 2707.00:00:00 | 2708.00:00:00 | 1.5 | 340.00 | 3.2 | 0.46289 |
| Z 2708.00:00:00 | 2709.00:00:00 | 1.5 | 342.00 | 3.2 | 0.46289 |
| Z 2709.00:00:00 | 2710.00:00:00 | 1.5 | 344.00 | 3.2 | 0.46289 |
| Z 2710.00:00:00 | 2711.00:00:00 | 1.5 | 346.00 | 3.2 | 0.16532 |
| Z 2711.00:00:00 | 2712.00:00:00 | 1.5 | 348.00 | 3.2 | 0.16532 |
| Z 2712.00:00:00 | 2713.00:00:00 | 1.5 | 350.00 | 3.2 | 0.16532 |
| Z 2713.00:00:00 | 2714.00:00:00 | 1.5 | 352.00 | 3.2 | 0.16532 |
| Z 2714.00:00:00 | 2715.00:00:00 | 1.5 | 354.00 | 3.2 | 0.16532 |
| Z 2715.00:00:00 | 2716.00:00:00 | 1.5 | 356.00 | 3.2 | 0.35268 |
| Z 2716.00:00:00 | 2717.00:00:00 | 1.5 | 358.00 | 3.2 | 0.35268 |
| Z 2717.00:00:00 | 2718.00:00:00 | 1.5 | 360.00 | 3.2 | 0.35268 |
| Z 2718.00:00:00 | 2719.00:00:00 | 1.5 | 362.00 | 3.2 | 0.35268 |
| Z 2719.00:00:00 | 2720.00:00:00 | 1.5 | 364.00 | 3.2 | 0.35268 |
| Z 2720.00:00:00 | 2721.00:00:00 | 2.0 | 6.00   | 3.2 | 0.50698 |
| Z 2721.00:00:00 | 2722.00:00:00 | 2.0 | 8.00   | 3.2 | 0.50698 |
| Z 2722.00:00:00 | 2723.00:00:00 | 2.0 | 10.00  | 3.2 | 0.50698 |
| Z 2723.00:00:00 | 2724.00:00:00 | 2.0 | 12.00  | 3.2 | 0.50698 |
| Z 2724.00:00:00 | 2725.00:00:00 | 2.0 | 14.00  | 3.2 | 0.50698 |
| Z 2725.00:00:00 | 2726.00:00:00 | 2.0 | 16.00  | 3.2 | 0.34166 |
| Z 2726.00:00:00 | 2727.00:00:00 | 2.0 | 18.00  | 3.2 | 0.34166 |
| Z 2727.00:00:00 | 2728.00:00:00 | 2.0 | 20.00  | 3.2 | 0.34166 |
| Z 2728.00:00:00 | 2729.00:00:00 | 2.0 | 22.00  | 3.2 | 0.34166 |
| Z 2729.00:00:00 | 2730.00:00:00 | 2.0 | 24.00  | 3.2 | 0.34166 |
| Z 2730.00:00:00 | 2731.00:00:00 | 2.0 | 26.00  | 3.2 | 0.38574 |
| Z 2731.00:00:00 | 2732.00:00:00 | 2.0 | 28.00  | 3.2 | 0.38574 |
| Z 2732.00:00:00 | 2733.00:00:00 | 2.0 | 30.00  | 3.2 | 0.38574 |
| Z 2733.00:00:00 | 2734.00:00:00 | 2.0 | 32.00  | 3.2 | 0.38574 |
| Z 2734.00:00:00 | 2735.00:00:00 | 2.0 | 34.00  | 3.2 | 0.38574 |
| Z 2735.00:00:00 | 2736.00:00:00 | 2.0 | 36.00  | 3.2 | 0.59515 |
| Z 2736.00:00:00 | 2737.00:00:00 | 2.0 | 38.00  | 3.2 | 0.59515 |
| Z 2737.00:00:00 | 2738.00:00:00 | 2.0 | 40.00  | 3.2 | 0.59515 |
| Z 2738.00:00:00 | 2739.00:00:00 | 2.0 | 42.00  | 3.2 | 0.59515 |
| Z 2739.00:00:00 | 2740.00:00:00 | 2.0 | 44.00  | 3.2 | 0.59515 |
| Z 2740.00:00:00 | 2741.00:00:00 | 2.0 | 46.00  | 3.2 | 0.66127 |
| Z 2741.00:00:00 | 2742.00:00:00 | 2.0 | 48.00  | 3.2 | 0.66127 |
| Z 2742.00:00:00 | 2743.00:00:00 | 2.0 | 50.00  | 3.2 | 0.66127 |
| Z 2743.00:00:00 | 2744.00:00:00 | 2.0 | 52.00  | 3.2 | 0.66127 |
| Z 2744.00:00:00 | 2745.00:00:00 | 2.0 | 54.00  | 3.2 | 0.66127 |
| Z 2745.00:00:00 | 2746.00:00:00 | 2.0 | 56.00  | 3.2 | 0.72740 |
| Z 2746.00:00:00 | 2747.00:00:00 | 2.0 | 58.00  | 3.2 | 0.72740 |
| Z 2747.00:00:00 | 2748.00:00:00 | 2.0 | 60.00  | 3.2 | 0.72740 |
| Z 2748.00:00:00 | 2749.00:00:00 | 2.0 | 62.00  | 3.2 | 0.72740 |
| Z 2749.00:00:00 | 2750.00:00:00 | 2.0 | 64.00  | 3.2 | 0.72740 |
| Z 2750.00:00:00 | 2751.00:00:00 | 2.0 | 66.00  | 3.2 | 0.55106 |
| Z 2751.00:00:00 | 2752.00:00:00 | 2.0 | 68.00  | 3.2 | 0.55106 |
| Z 2752.00:00:00 | 2753.00:00:00 | 2.0 | 70.00  | 3.2 | 0.55106 |
| Z 2753.00:00:00 | 2754.00:00:00 | 2.0 | 72.00  | 3.2 | 0.55106 |
| Z 2754.00:00:00 | 2755.00:00:00 | 2.0 | 74.00  | 3.2 | 0.55106 |
| Z 2755.00:00:00 | 2756.00:00:00 | 2.0 | 76.00  | 3.2 | 0.72740 |
| Z 2756.00:00:00 | 2757.00:00:00 | 2.0 | 78.00  | 3.2 | 0.72740 |
| Z 2757.00:00:00 | 2758.00:00:00 | 2.0 | 80.00  | 3.2 | 0.72740 |
| Z 2758.00:00:00 | 2759.00:00:00 | 2.0 | 82.00  | 3.2 | 0.72740 |
| Z 2759.00:00:00 | 2760.00:00:00 | 2.0 | 84.00  | 3.2 | 0.72740 |
| Z 2760.00:00:00 | 2761.00:00:00 | 2.0 | 86.00  | 3.2 | 0.47391 |
| Z 2761.00:00:00 | 2762.00:00:00 | 2.0 | 88.00  | 3.2 | 0.47391 |
| Z 2762.00:00:00 | 2763.00:00:00 | 2.0 | 90.00  | 3.2 | 0.47391 |
| Z 2763.00:00:00 | 2764.00:00:00 | 2.0 | 92.00  | 3.2 | 0.47391 |
| Z 2764.00:00:00 | 2765.00:00:00 | 2.0 | 94.00  | 3.2 | 0.47391 |
| Z 2765.00:00:00 | 2766.00:00:00 | 2.0 | 96.00  | 3.2 | 0.71638 |
| Z 2766.00:00:00 | 2767.00:00:00 | 2.0 | 98.00  | 3.2 | 0.71638 |
| Z 2767.00:00:00 | 2768.00:00:00 | 2.0 | 100.00 | 3.2 | 0.71638 |

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| Z 2768.00:00:00 | 2769.00:00:00 | 2.0 | 102.00 | 3.2 | 0.71638 |
| Z 2769.00:00:00 | 2770.00:00:00 | 2.0 | 104.00 | 3.2 | 0.71638 |
| Z 2770.00:00:00 | 2771.00:00:00 | 2.0 | 106.00 | 3.2 | 0.61719 |
| Z 2771.00:00:00 | 2772.00:00:00 | 2.0 | 108.00 | 3.2 | 0.61719 |
| Z 2772.00:00:00 | 2773.00:00:00 | 2.0 | 110.00 | 3.2 | 0.61719 |
| Z 2773.00:00:00 | 2774.00:00:00 | 2.0 | 112.00 | 3.2 | 0.61719 |
| Z 2774.00:00:00 | 2775.00:00:00 | 2.0 | 114.00 | 3.2 | 0.61719 |
| Z 2775.00:00:00 | 2776.00:00:00 | 2.0 | 116.00 | 3.2 | 0.79353 |
| Z 2776.00:00:00 | 2777.00:00:00 | 2.0 | 118.00 | 3.2 | 0.79353 |
| Z 2777.00:00:00 | 2778.00:00:00 | 2.0 | 120.00 | 3.2 | 0.79353 |
| Z 2778.00:00:00 | 2779.00:00:00 | 2.0 | 122.00 | 3.2 | 0.79353 |
| Z 2779.00:00:00 | 2780.00:00:00 | 2.0 | 124.00 | 3.2 | 0.79353 |
| Z 2780.00:00:00 | 2781.00:00:00 | 2.0 | 126.00 | 3.2 | 1.12416 |
| Z 2781.00:00:00 | 2782.00:00:00 | 2.0 | 128.00 | 3.2 | 1.12416 |
| Z 2782.00:00:00 | 2783.00:00:00 | 2.0 | 130.00 | 3.2 | 1.12416 |
| Z 2783.00:00:00 | 2784.00:00:00 | 2.0 | 132.00 | 3.2 | 1.12416 |
| Z 2784.00:00:00 | 2785.00:00:00 | 2.0 | 134.00 | 3.2 | 1.12416 |
| Z 2785.00:00:00 | 2786.00:00:00 | 2.0 | 136.00 | 3.2 | 1.24540 |
| Z 2786.00:00:00 | 2787.00:00:00 | 2.0 | 138.00 | 3.2 | 1.24540 |
| Z 2787.00:00:00 | 2788.00:00:00 | 2.0 | 140.00 | 3.2 | 1.24540 |
| Z 2788.00:00:00 | 2789.00:00:00 | 2.0 | 142.00 | 3.2 | 1.24540 |
| Z 2789.00:00:00 | 2790.00:00:00 | 2.0 | 144.00 | 3.2 | 1.24540 |
| Z 2790.00:00:00 | 2791.00:00:00 | 2.0 | 146.00 | 3.2 | 1.21233 |
| Z 2791.00:00:00 | 2792.00:00:00 | 2.0 | 148.00 | 3.2 | 1.21233 |
| Z 2792.00:00:00 | 2793.00:00:00 | 2.0 | 150.00 | 3.2 | 1.21233 |
| Z 2793.00:00:00 | 2794.00:00:00 | 2.0 | 152.00 | 3.2 | 1.21233 |
| Z 2794.00:00:00 | 2795.00:00:00 | 2.0 | 154.00 | 3.2 | 1.21233 |
| Z 2795.00:00:00 | 2796.00:00:00 | 2.0 | 156.00 | 3.2 | 1.25642 |
| Z 2796.00:00:00 | 2797.00:00:00 | 2.0 | 158.00 | 3.2 | 1.25642 |
| Z 2797.00:00:00 | 2798.00:00:00 | 2.0 | 160.00 | 3.2 | 1.25642 |
| Z 2798.00:00:00 | 2799.00:00:00 | 2.0 | 162.00 | 3.2 | 1.25642 |
| Z 2799.00:00:00 | 2800.00:00:00 | 2.0 | 164.00 | 3.2 | 1.25642 |
| Z 2800.00:00:00 | 2801.00:00:00 | 2.0 | 166.00 | 3.2 | 1.09110 |
| Z 2801.00:00:00 | 2802.00:00:00 | 2.0 | 168.00 | 3.2 | 1.09110 |
| Z 2802.00:00:00 | 2803.00:00:00 | 2.0 | 170.00 | 3.2 | 1.09110 |
| Z 2803.00:00:00 | 2804.00:00:00 | 2.0 | 172.00 | 3.2 | 1.09110 |
| Z 2804.00:00:00 | 2805.00:00:00 | 2.0 | 174.00 | 3.2 | 1.09110 |
| Z 2805.00:00:00 | 2806.00:00:00 | 2.0 | 176.00 | 3.2 | 0.92578 |
| Z 2806.00:00:00 | 2807.00:00:00 | 2.0 | 178.00 | 3.2 | 0.92578 |
| Z 2807.00:00:00 | 2808.00:00:00 | 2.0 | 180.00 | 3.2 | 0.92578 |
| Z 2808.00:00:00 | 2809.00:00:00 | 2.0 | 182.00 | 3.2 | 0.92578 |
| Z 2809.00:00:00 | 2810.00:00:00 | 2.0 | 184.00 | 3.2 | 0.92578 |
| Z 2810.00:00:00 | 2811.00:00:00 | 2.0 | 186.00 | 3.2 | 0.96987 |
| Z 2811.00:00:00 | 2812.00:00:00 | 2.0 | 188.00 | 3.2 | 0.96987 |
| Z 2812.00:00:00 | 2813.00:00:00 | 2.0 | 190.00 | 3.2 | 0.96987 |
| Z 2813.00:00:00 | 2814.00:00:00 | 2.0 | 192.00 | 3.2 | 0.96987 |
| Z 2814.00:00:00 | 2815.00:00:00 | 2.0 | 194.00 | 3.2 | 0.96987 |
| Z 2815.00:00:00 | 2816.00:00:00 | 2.0 | 196.00 | 3.2 | 0.91476 |
| Z 2816.00:00:00 | 2817.00:00:00 | 2.0 | 198.00 | 3.2 | 0.91476 |
| Z 2817.00:00:00 | 2818.00:00:00 | 2.0 | 200.00 | 3.2 | 0.91476 |
| Z 2818.00:00:00 | 2819.00:00:00 | 2.0 | 202.00 | 3.2 | 0.91476 |
| Z 2819.00:00:00 | 2820.00:00:00 | 2.0 | 204.00 | 3.2 | 0.91476 |
| Z 2820.00:00:00 | 2821.00:00:00 | 2.0 | 206.00 | 3.2 | 0.99191 |
| Z 2821.00:00:00 | 2822.00:00:00 | 2.0 | 208.00 | 3.2 | 0.99191 |
| Z 2822.00:00:00 | 2823.00:00:00 | 2.0 | 210.00 | 3.2 | 0.99191 |
| Z 2823.00:00:00 | 2824.00:00:00 | 2.0 | 212.00 | 3.2 | 0.99191 |
| Z 2824.00:00:00 | 2825.00:00:00 | 2.0 | 214.00 | 3.2 | 0.99191 |
| Z 2825.00:00:00 | 2826.00:00:00 | 2.0 | 216.00 | 3.2 | 1.04702 |
| Z 2826.00:00:00 | 2827.00:00:00 | 2.0 | 218.00 | 3.2 | 1.04702 |
| Z 2827.00:00:00 | 2828.00:00:00 | 2.0 | 220.00 | 3.2 | 1.04702 |
| Z 2828.00:00:00 | 2829.00:00:00 | 2.0 | 222.00 | 3.2 | 1.04702 |

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| Z 2829.00:00:00 | 2830.00:00:00 | 2.0 | 224.00 | 3.2 | 1.04702 |
| Z 2830.00:00:00 | 2831.00:00:00 | 2.0 | 226.00 | 3.2 | 0.87068 |
| Z 2831.00:00:00 | 2832.00:00:00 | 2.0 | 228.00 | 3.2 | 0.87068 |
| Z 2832.00:00:00 | 2833.00:00:00 | 2.0 | 230.00 | 3.2 | 0.87068 |
| Z 2833.00:00:00 | 2834.00:00:00 | 2.0 | 232.00 | 3.2 | 0.87068 |
| Z 2834.00:00:00 | 2835.00:00:00 | 2.0 | 234.00 | 3.2 | 0.87068 |
| Z 2835.00:00:00 | 2836.00:00:00 | 2.0 | 236.00 | 3.2 | 0.87068 |
| Z 2836.00:00:00 | 2837.00:00:00 | 2.0 | 238.00 | 3.2 | 0.87068 |
| Z 2837.00:00:00 | 2838.00:00:00 | 2.0 | 240.00 | 3.2 | 0.87068 |
| Z 2838.00:00:00 | 2839.00:00:00 | 2.0 | 242.00 | 3.2 | 0.87068 |
| Z 2839.00:00:00 | 2840.00:00:00 | 2.0 | 244.00 | 3.2 | 0.87068 |
| Z 2840.00:00:00 | 2841.00:00:00 | 2.0 | 246.00 | 3.2 | 0.94782 |
| Z 2841.00:00:00 | 2842.00:00:00 | 2.0 | 248.00 | 3.2 | 0.94782 |
| Z 2842.00:00:00 | 2843.00:00:00 | 2.0 | 250.00 | 3.2 | 0.94782 |
| Z 2843.00:00:00 | 2844.00:00:00 | 2.0 | 252.00 | 3.2 | 0.94782 |
| Z 2844.00:00:00 | 2845.00:00:00 | 2.0 | 254.00 | 3.2 | 0.94782 |
| Z 2845.00:00:00 | 2846.00:00:00 | 2.0 | 256.00 | 3.2 | 0.90374 |
| Z 2846.00:00:00 | 2847.00:00:00 | 2.0 | 258.00 | 3.2 | 0.90374 |
| Z 2847.00:00:00 | 2848.00:00:00 | 2.0 | 260.00 | 3.2 | 0.90374 |
| Z 2848.00:00:00 | 2849.00:00:00 | 2.0 | 262.00 | 3.2 | 0.90374 |
| Z 2849.00:00:00 | 2850.00:00:00 | 2.0 | 264.00 | 3.2 | 0.90374 |
| Z 2850.00:00:00 | 2851.00:00:00 | 2.0 | 266.00 | 3.2 | 0.99191 |
| Z 2851.00:00:00 | 2852.00:00:00 | 2.0 | 268.00 | 3.2 | 0.99191 |
| Z 2852.00:00:00 | 2853.00:00:00 | 2.0 | 270.00 | 3.2 | 0.99191 |
| Z 2853.00:00:00 | 2854.00:00:00 | 2.0 | 272.00 | 3.2 | 0.99191 |
| Z 2854.00:00:00 | 2855.00:00:00 | 2.0 | 274.00 | 3.2 | 0.99191 |
| Z 2855.00:00:00 | 2856.00:00:00 | 2.0 | 276.00 | 3.2 | 1.32255 |
| Z 2856.00:00:00 | 2857.00:00:00 | 2.0 | 278.00 | 3.2 | 1.32255 |
| Z 2857.00:00:00 | 2858.00:00:00 | 2.0 | 280.00 | 3.2 | 1.32255 |
| Z 2858.00:00:00 | 2859.00:00:00 | 2.0 | 282.00 | 3.2 | 1.32255 |
| Z 2859.00:00:00 | 2860.00:00:00 | 2.0 | 284.00 | 3.2 | 1.32255 |
| Z 2860.00:00:00 | 2861.00:00:00 | 2.0 | 286.00 | 3.2 | 1.54297 |
| Z 2861.00:00:00 | 2862.00:00:00 | 2.0 | 288.00 | 3.2 | 1.54297 |
| Z 2862.00:00:00 | 2863.00:00:00 | 2.0 | 290.00 | 3.2 | 1.54297 |
| Z 2863.00:00:00 | 2864.00:00:00 | 2.0 | 292.00 | 3.2 | 1.54297 |
| Z 2864.00:00:00 | 2865.00:00:00 | 2.0 | 294.00 | 3.2 | 1.54297 |
| Z 2865.00:00:00 | 2866.00:00:00 | 2.0 | 296.00 | 3.2 | 1.54297 |
| Z 2866.00:00:00 | 2867.00:00:00 | 2.0 | 298.00 | 3.2 | 1.54297 |
| Z 2867.00:00:00 | 2868.00:00:00 | 2.0 | 300.00 | 3.2 | 1.54297 |
| Z 2868.00:00:00 | 2869.00:00:00 | 2.0 | 302.00 | 3.2 | 1.54297 |
| Z 2869.00:00:00 | 2870.00:00:00 | 2.0 | 304.00 | 3.2 | 1.54297 |
| Z 2870.00:00:00 | 2871.00:00:00 | 2.0 | 306.00 | 3.2 | 0.94782 |
| Z 2871.00:00:00 | 2872.00:00:00 | 2.0 | 308.00 | 3.2 | 0.94782 |
| Z 2872.00:00:00 | 2873.00:00:00 | 2.0 | 310.00 | 3.2 | 0.94782 |
| Z 2873.00:00:00 | 2874.00:00:00 | 2.0 | 312.00 | 3.2 | 0.94782 |
| Z 2874.00:00:00 | 2875.00:00:00 | 2.0 | 314.00 | 3.2 | 0.94782 |
| Z 2875.00:00:00 | 2876.00:00:00 | 2.0 | 316.00 | 3.2 | 1.06906 |
| Z 2876.00:00:00 | 2877.00:00:00 | 2.0 | 318.00 | 3.2 | 1.06906 |
| Z 2877.00:00:00 | 2878.00:00:00 | 2.0 | 320.00 | 3.2 | 1.06906 |
| Z 2878.00:00:00 | 2879.00:00:00 | 2.0 | 322.00 | 3.2 | 1.06906 |
| Z 2879.00:00:00 | 2880.00:00:00 | 2.0 | 324.00 | 3.2 | 1.06906 |
| Z 2880.00:00:00 | 2881.00:00:00 | 2.0 | 326.00 | 3.2 | 0.82659 |
| Z 2881.00:00:00 | 2882.00:00:00 | 2.0 | 328.00 | 3.2 | 0.82659 |
| Z 2882.00:00:00 | 2883.00:00:00 | 2.0 | 330.00 | 3.2 | 0.82659 |
| Z 2883.00:00:00 | 2884.00:00:00 | 2.0 | 332.00 | 3.2 | 0.82659 |
| Z 2884.00:00:00 | 2885.00:00:00 | 2.0 | 334.00 | 3.2 | 0.82659 |
| Z 2885.00:00:00 | 2886.00:00:00 | 2.0 | 336.00 | 3.2 | 0.62821 |
| Z 2886.00:00:00 | 2887.00:00:00 | 2.0 | 338.00 | 3.2 | 0.62821 |
| Z 2887.00:00:00 | 2888.00:00:00 | 2.0 | 340.00 | 3.2 | 0.62821 |
| Z 2888.00:00:00 | 2889.00:00:00 | 2.0 | 342.00 | 3.2 | 0.62821 |
| Z 2889.00:00:00 | 2890.00:00:00 | 2.0 | 344.00 | 3.2 | 0.62821 |

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| Z 2890.00:00:00 | 2891.00:00:00 | 2.0 | 346.00 | 3.2 | 0.54004 |
| Z 2891.00:00:00 | 2892.00:00:00 | 2.0 | 348.00 | 3.2 | 0.54004 |
| Z 2892.00:00:00 | 2893.00:00:00 | 2.0 | 350.00 | 3.2 | 0.54004 |
| Z 2893.00:00:00 | 2894.00:00:00 | 2.0 | 352.00 | 3.2 | 0.54004 |
| Z 2894.00:00:00 | 2895.00:00:00 | 2.0 | 354.00 | 3.2 | 0.54004 |
| Z 2895.00:00:00 | 2896.00:00:00 | 2.0 | 356.00 | 3.2 | 0.46289 |
| Z 2896.00:00:00 | 2897.00:00:00 | 2.0 | 358.00 | 3.2 | 0.46289 |
| Z 2897.00:00:00 | 2898.00:00:00 | 2.0 | 360.00 | 3.2 | 0.46289 |
| Z 2898.00:00:00 | 2899.00:00:00 | 2.0 | 362.00 | 3.2 | 0.46289 |
| Z 2899.00:00:00 | 2900.00:00:00 | 2.0 | 364.00 | 3.2 | 0.46289 |
| Z 2900.00:00:00 | 2901.00:00:00 | 3.0 | 6.00   | 3.2 | 1.25642 |
| Z 2901.00:00:00 | 2902.00:00:00 | 3.0 | 8.00   | 3.2 | 1.25642 |
| Z 2902.00:00:00 | 2903.00:00:00 | 3.0 | 10.00  | 3.2 | 1.25642 |
| Z 2903.00:00:00 | 2904.00:00:00 | 3.0 | 12.00  | 3.2 | 1.25642 |
| Z 2904.00:00:00 | 2905.00:00:00 | 3.0 | 14.00  | 3.2 | 1.25642 |
| Z 2905.00:00:00 | 2906.00:00:00 | 3.0 | 16.00  | 3.2 | 0.98089 |
| Z 2906.00:00:00 | 2907.00:00:00 | 3.0 | 18.00  | 3.2 | 0.98089 |
| Z 2907.00:00:00 | 2908.00:00:00 | 3.0 | 20.00  | 3.2 | 0.98089 |
| Z 2908.00:00:00 | 2909.00:00:00 | 3.0 | 22.00  | 3.2 | 0.98089 |
| Z 2909.00:00:00 | 2910.00:00:00 | 3.0 | 24.00  | 3.2 | 0.98089 |
| Z 2910.00:00:00 | 2911.00:00:00 | 3.0 | 26.00  | 3.2 | 1.33357 |
| Z 2911.00:00:00 | 2912.00:00:00 | 3.0 | 28.00  | 3.2 | 1.33357 |
| Z 2912.00:00:00 | 2913.00:00:00 | 3.0 | 30.00  | 3.2 | 1.33357 |
| Z 2913.00:00:00 | 2914.00:00:00 | 3.0 | 32.00  | 3.2 | 1.33357 |
| Z 2914.00:00:00 | 2915.00:00:00 | 3.0 | 34.00  | 3.2 | 1.33357 |
| Z 2915.00:00:00 | 2916.00:00:00 | 3.0 | 36.00  | 3.2 | 1.62012 |
| Z 2916.00:00:00 | 2917.00:00:00 | 3.0 | 38.00  | 3.2 | 1.62012 |
| Z 2917.00:00:00 | 2918.00:00:00 | 3.0 | 40.00  | 3.2 | 1.62012 |
| Z 2918.00:00:00 | 2919.00:00:00 | 3.0 | 42.00  | 3.2 | 1.62012 |
| Z 2919.00:00:00 | 2920.00:00:00 | 3.0 | 44.00  | 3.2 | 1.62012 |
| Z 2920.00:00:00 | 2921.00:00:00 | 3.0 | 46.00  | 3.2 | 2.09403 |
| Z 2921.00:00:00 | 2922.00:00:00 | 3.0 | 48.00  | 3.2 | 2.09403 |
| Z 2922.00:00:00 | 2923.00:00:00 | 3.0 | 50.00  | 3.2 | 2.09403 |
| Z 2923.00:00:00 | 2924.00:00:00 | 3.0 | 52.00  | 3.2 | 2.09403 |
| Z 2924.00:00:00 | 2925.00:00:00 | 3.0 | 54.00  | 3.2 | 2.09403 |
| Z 2925.00:00:00 | 2926.00:00:00 | 3.0 | 56.00  | 3.2 | 2.35854 |
| Z 2926.00:00:00 | 2927.00:00:00 | 3.0 | 58.00  | 3.2 | 2.35854 |
| Z 2927.00:00:00 | 2928.00:00:00 | 3.0 | 60.00  | 3.2 | 2.35854 |
| Z 2928.00:00:00 | 2929.00:00:00 | 3.0 | 62.00  | 3.2 | 2.35854 |
| Z 2929.00:00:00 | 2930.00:00:00 | 3.0 | 64.00  | 3.2 | 2.35854 |
| Z 2930.00:00:00 | 2931.00:00:00 | 3.0 | 66.00  | 3.2 | 2.50182 |
| Z 2931.00:00:00 | 2932.00:00:00 | 3.0 | 68.00  | 3.2 | 2.50182 |
| Z 2932.00:00:00 | 2933.00:00:00 | 3.0 | 70.00  | 3.2 | 2.50182 |
| Z 2933.00:00:00 | 2934.00:00:00 | 3.0 | 72.00  | 3.2 | 2.50182 |
| Z 2934.00:00:00 | 2935.00:00:00 | 3.0 | 74.00  | 3.2 | 2.50182 |
| Z 2935.00:00:00 | 2936.00:00:00 | 3.0 | 76.00  | 3.2 | 2.47977 |
| Z 2936.00:00:00 | 2937.00:00:00 | 3.0 | 78.00  | 3.2 | 2.47977 |
| Z 2937.00:00:00 | 2938.00:00:00 | 3.0 | 80.00  | 3.2 | 2.47977 |
| Z 2938.00:00:00 | 2939.00:00:00 | 3.0 | 82.00  | 3.2 | 2.47977 |
| Z 2939.00:00:00 | 2940.00:00:00 | 3.0 | 84.00  | 3.2 | 2.47977 |
| Z 2940.00:00:00 | 2941.00:00:00 | 3.0 | 86.00  | 3.2 | 1.86259 |
| Z 2941.00:00:00 | 2942.00:00:00 | 3.0 | 88.00  | 3.2 | 1.86259 |
| Z 2942.00:00:00 | 2943.00:00:00 | 3.0 | 90.00  | 3.2 | 1.86259 |
| Z 2943.00:00:00 | 2944.00:00:00 | 3.0 | 92.00  | 3.2 | 1.86259 |
| Z 2944.00:00:00 | 2945.00:00:00 | 3.0 | 94.00  | 3.2 | 1.86259 |
| Z 2945.00:00:00 | 2946.00:00:00 | 3.0 | 96.00  | 3.2 | 1.50991 |
| Z 2946.00:00:00 | 2947.00:00:00 | 3.0 | 98.00  | 3.2 | 1.50991 |
| Z 2947.00:00:00 | 2948.00:00:00 | 3.0 | 100.00 | 3.2 | 1.50991 |
| Z 2948.00:00:00 | 2949.00:00:00 | 3.0 | 102.00 | 3.2 | 1.50991 |
| Z 2949.00:00:00 | 2950.00:00:00 | 3.0 | 104.00 | 3.2 | 1.50991 |
| Z 2950.00:00:00 | 2951.00:00:00 | 3.0 | 106.00 | 3.2 | 1.93973 |

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| Z 2951.00:00:00 | 2952.00:00:00 | 3.0 | 108.00 | 3.2 | 1.93973 |
| Z 2952.00:00:00 | 2953.00:00:00 | 3.0 | 110.00 | 3.2 | 1.93973 |
| Z 2953.00:00:00 | 2954.00:00:00 | 3.0 | 112.00 | 3.2 | 1.93973 |
| Z 2954.00:00:00 | 2955.00:00:00 | 3.0 | 114.00 | 3.2 | 1.93973 |
| Z 2955.00:00:00 | 2956.00:00:00 | 3.0 | 116.00 | 3.2 | 1.80748 |
| Z 2956.00:00:00 | 2957.00:00:00 | 3.0 | 118.00 | 3.2 | 1.80748 |
| Z 2957.00:00:00 | 2958.00:00:00 | 3.0 | 120.00 | 3.2 | 1.80748 |
| Z 2958.00:00:00 | 2959.00:00:00 | 3.0 | 122.00 | 3.2 | 1.80748 |
| Z 2959.00:00:00 | 2960.00:00:00 | 3.0 | 124.00 | 3.2 | 1.80748 |
| Z 2960.00:00:00 | 2961.00:00:00 | 3.0 | 126.00 | 3.2 | 2.51284 |
| Z 2961.00:00:00 | 2962.00:00:00 | 3.0 | 128.00 | 3.2 | 2.51284 |
| Z 2962.00:00:00 | 2963.00:00:00 | 3.0 | 130.00 | 3.2 | 2.51284 |
| Z 2963.00:00:00 | 2964.00:00:00 | 3.0 | 132.00 | 3.2 | 2.51284 |
| Z 2964.00:00:00 | 2965.00:00:00 | 3.0 | 134.00 | 3.2 | 2.51284 |
| Z 2965.00:00:00 | 2966.00:00:00 | 3.0 | 136.00 | 3.2 | 2.65611 |
| Z 2966.00:00:00 | 2967.00:00:00 | 3.0 | 138.00 | 3.2 | 2.65611 |
| Z 2967.00:00:00 | 2968.00:00:00 | 3.0 | 140.00 | 3.2 | 2.65611 |
| Z 2968.00:00:00 | 2969.00:00:00 | 3.0 | 142.00 | 3.2 | 2.65611 |
| Z 2969.00:00:00 | 2970.00:00:00 | 3.0 | 144.00 | 3.2 | 2.65611 |
| Z 2970.00:00:00 | 2971.00:00:00 | 3.0 | 146.00 | 3.2 | 2.17118 |
| Z 2971.00:00:00 | 2972.00:00:00 | 3.0 | 148.00 | 3.2 | 2.17118 |
| Z 2972.00:00:00 | 2973.00:00:00 | 3.0 | 150.00 | 3.2 | 2.17118 |
| Z 2973.00:00:00 | 2974.00:00:00 | 3.0 | 152.00 | 3.2 | 2.17118 |
| Z 2974.00:00:00 | 2975.00:00:00 | 3.0 | 154.00 | 3.2 | 2.17118 |
| Z 2975.00:00:00 | 2976.00:00:00 | 3.0 | 156.00 | 3.2 | 2.31445 |
| Z 2976.00:00:00 | 2977.00:00:00 | 3.0 | 158.00 | 3.2 | 2.31445 |
| Z 2977.00:00:00 | 2978.00:00:00 | 3.0 | 160.00 | 3.2 | 2.31445 |
| Z 2978.00:00:00 | 2979.00:00:00 | 3.0 | 162.00 | 3.2 | 2.31445 |
| Z 2979.00:00:00 | 2980.00:00:00 | 3.0 | 164.00 | 3.2 | 2.31445 |
| Z 2980.00:00:00 | 2981.00:00:00 | 3.0 | 166.00 | 3.2 | 2.68918 |
| Z 2981.00:00:00 | 2982.00:00:00 | 3.0 | 168.00 | 3.2 | 2.68918 |
| Z 2982.00:00:00 | 2983.00:00:00 | 3.0 | 170.00 | 3.2 | 2.68918 |
| Z 2983.00:00:00 | 2984.00:00:00 | 3.0 | 172.00 | 3.2 | 2.68918 |
| Z 2984.00:00:00 | 2985.00:00:00 | 3.0 | 174.00 | 3.2 | 2.68918 |
| Z 2985.00:00:00 | 2986.00:00:00 | 3.0 | 176.00 | 3.2 | 2.49079 |
| Z 2986.00:00:00 | 2987.00:00:00 | 3.0 | 178.00 | 3.2 | 2.49079 |
| Z 2987.00:00:00 | 2988.00:00:00 | 3.0 | 180.00 | 3.2 | 2.49079 |
| Z 2988.00:00:00 | 2989.00:00:00 | 3.0 | 182.00 | 3.2 | 2.49079 |
| Z 2989.00:00:00 | 2990.00:00:00 | 3.0 | 184.00 | 3.2 | 2.49079 |
| Z 2990.00:00:00 | 2991.00:00:00 | 3.0 | 186.00 | 3.2 | 2.31445 |
| Z 2991.00:00:00 | 2992.00:00:00 | 3.0 | 188.00 | 3.2 | 2.31445 |
| Z 2992.00:00:00 | 2993.00:00:00 | 3.0 | 190.00 | 3.2 | 2.31445 |
| Z 2993.00:00:00 | 2994.00:00:00 | 3.0 | 192.00 | 3.2 | 2.31445 |
| Z 2994.00:00:00 | 2995.00:00:00 | 3.0 | 194.00 | 3.2 | 2.31445 |
| Z 2995.00:00:00 | 2996.00:00:00 | 3.0 | 196.00 | 3.2 | 2.39160 |
| Z 2996.00:00:00 | 2997.00:00:00 | 3.0 | 198.00 | 3.2 | 2.39160 |
| Z 2997.00:00:00 | 2998.00:00:00 | 3.0 | 200.00 | 3.2 | 2.39160 |
| Z 2998.00:00:00 | 2999.00:00:00 | 3.0 | 202.00 | 3.2 | 2.39160 |
| Z 2999.00:00:00 | 3000.00:00:00 | 3.0 | 204.00 | 3.2 | 2.39160 |
| Z 3000.00:00:00 | 3001.00:00:00 | 3.0 | 206.00 | 3.2 | 2.88756 |
| Z 3001.00:00:00 | 3002.00:00:00 | 3.0 | 208.00 | 3.2 | 2.88756 |
| Z 3002.00:00:00 | 3003.00:00:00 | 3.0 | 210.00 | 3.2 | 2.88756 |
| Z 3003.00:00:00 | 3004.00:00:00 | 3.0 | 212.00 | 3.2 | 2.88756 |
| Z 3004.00:00:00 | 3005.00:00:00 | 3.0 | 214.00 | 3.2 | 2.88756 |
| Z 3005.00:00:00 | 3006.00:00:00 | 3.0 | 216.00 | 3.2 | 2.82143 |
| Z 3006.00:00:00 | 3007.00:00:00 | 3.0 | 218.00 | 3.2 | 2.82143 |
| Z 3007.00:00:00 | 3008.00:00:00 | 3.0 | 220.00 | 3.2 | 2.82143 |
| Z 3008.00:00:00 | 3009.00:00:00 | 3.0 | 222.00 | 3.2 | 2.82143 |
| Z 3009.00:00:00 | 3010.00:00:00 | 3.0 | 224.00 | 3.2 | 2.82143 |
| Z 3010.00:00:00 | 3011.00:00:00 | 3.0 | 226.00 | 3.2 | 2.55692 |
| Z 3011.00:00:00 | 3012.00:00:00 | 3.0 | 228.00 | 3.2 | 2.55692 |

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| Z 3012.00:00:00 | 3013.00:00:00 | 3.0 | 230.00 | 3.2 | 2.55692 |
| Z 3013.00:00:00 | 3014.00:00:00 | 3.0 | 232.00 | 3.2 | 2.55692 |
| Z 3014.00:00:00 | 3015.00:00:00 | 3.0 | 234.00 | 3.2 | 2.55692 |
| Z 3015.00:00:00 | 3016.00:00:00 | 3.0 | 236.00 | 3.2 | 2.51284 |
| Z 3016.00:00:00 | 3017.00:00:00 | 3.0 | 238.00 | 3.2 | 2.51284 |
| Z 3017.00:00:00 | 3018.00:00:00 | 3.0 | 240.00 | 3.2 | 2.51284 |
| Z 3018.00:00:00 | 3019.00:00:00 | 3.0 | 242.00 | 3.2 | 2.51284 |
| Z 3019.00:00:00 | 3020.00:00:00 | 3.0 | 244.00 | 3.2 | 2.51284 |
| Z 3020.00:00:00 | 3021.00:00:00 | 3.0 | 246.00 | 3.2 | 2.55692 |
| Z 3021.00:00:00 | 3022.00:00:00 | 3.0 | 248.00 | 3.2 | 2.55692 |
| Z 3022.00:00:00 | 3023.00:00:00 | 3.0 | 250.00 | 3.2 | 2.55692 |
| Z 3023.00:00:00 | 3024.00:00:00 | 3.0 | 252.00 | 3.2 | 2.55692 |
| Z 3024.00:00:00 | 3025.00:00:00 | 3.0 | 254.00 | 3.2 | 2.55692 |
| Z 3025.00:00:00 | 3026.00:00:00 | 3.0 | 256.00 | 3.2 | 2.96471 |
| Z 3026.00:00:00 | 3027.00:00:00 | 3.0 | 258.00 | 3.2 | 2.96471 |
| Z 3027.00:00:00 | 3028.00:00:00 | 3.0 | 260.00 | 3.2 | 2.96471 |
| Z 3028.00:00:00 | 3029.00:00:00 | 3.0 | 262.00 | 3.2 | 2.96471 |
| Z 3029.00:00:00 | 3030.00:00:00 | 3.0 | 264.00 | 3.2 | 2.96471 |
| Z 3030.00:00:00 | 3031.00:00:00 | 3.0 | 266.00 | 3.2 | 3.38351 |
| Z 3031.00:00:00 | 3032.00:00:00 | 3.0 | 268.00 | 3.2 | 3.38351 |
| Z 3032.00:00:00 | 3033.00:00:00 | 3.0 | 270.00 | 3.2 | 3.38351 |
| Z 3033.00:00:00 | 3034.00:00:00 | 3.0 | 272.00 | 3.2 | 3.38351 |
| Z 3034.00:00:00 | 3035.00:00:00 | 3.0 | 274.00 | 3.2 | 3.38351 |
| Z 3035.00:00:00 | 3036.00:00:00 | 3.0 | 276.00 | 3.2 | 4.66197 |
| Z 3036.00:00:00 | 3037.00:00:00 | 3.0 | 278.00 | 3.2 | 4.66197 |
| Z 3037.00:00:00 | 3038.00:00:00 | 3.0 | 280.00 | 3.2 | 4.66197 |
| Z 3038.00:00:00 | 3039.00:00:00 | 3.0 | 282.00 | 3.2 | 4.66197 |
| Z 3039.00:00:00 | 3040.00:00:00 | 3.0 | 284.00 | 3.2 | 4.66197 |
| Z 3040.00:00:00 | 3041.00:00:00 | 3.0 | 286.00 | 3.2 | 5.06976 |
| Z 3041.00:00:00 | 3042.00:00:00 | 3.0 | 288.00 | 3.2 | 5.06976 |
| Z 3042.00:00:00 | 3043.00:00:00 | 3.0 | 290.00 | 3.2 | 5.06976 |
| Z 3043.00:00:00 | 3044.00:00:00 | 3.0 | 292.00 | 3.2 | 5.06976 |
| Z 3044.00:00:00 | 3045.00:00:00 | 3.0 | 294.00 | 3.2 | 5.06976 |
| Z 3045.00:00:00 | 3046.00:00:00 | 3.0 | 296.00 | 3.2 | 4.30929 |
| Z 3046.00:00:00 | 3047.00:00:00 | 3.0 | 298.00 | 3.2 | 4.30929 |
| Z 3047.00:00:00 | 3048.00:00:00 | 3.0 | 300.00 | 3.2 | 4.30929 |
| Z 3048.00:00:00 | 3049.00:00:00 | 3.0 | 302.00 | 3.2 | 4.30929 |
| Z 3049.00:00:00 | 3050.00:00:00 | 3.0 | 304.00 | 3.2 | 4.30929 |
| Z 3050.00:00:00 | 3051.00:00:00 | 3.0 | 306.00 | 3.2 | 3.33943 |
| Z 3051.00:00:00 | 3052.00:00:00 | 3.0 | 308.00 | 3.2 | 3.33943 |
| Z 3052.00:00:00 | 3053.00:00:00 | 3.0 | 310.00 | 3.2 | 3.33943 |
| Z 3053.00:00:00 | 3054.00:00:00 | 3.0 | 312.00 | 3.2 | 3.33943 |
| Z 3054.00:00:00 | 3055.00:00:00 | 3.0 | 314.00 | 3.2 | 3.33943 |
| Z 3055.00:00:00 | 3056.00:00:00 | 3.0 | 316.00 | 3.2 | 2.58998 |
| Z 3056.00:00:00 | 3057.00:00:00 | 3.0 | 318.00 | 3.2 | 2.58998 |
| Z 3057.00:00:00 | 3058.00:00:00 | 3.0 | 320.00 | 3.2 | 2.58998 |
| Z 3058.00:00:00 | 3059.00:00:00 | 3.0 | 322.00 | 3.2 | 2.58998 |
| Z 3059.00:00:00 | 3060.00:00:00 | 3.0 | 324.00 | 3.2 | 2.58998 |
| Z 3060.00:00:00 | 3061.00:00:00 | 3.0 | 326.00 | 3.2 | 1.98382 |
| Z 3061.00:00:00 | 3062.00:00:00 | 3.0 | 328.00 | 3.2 | 1.98382 |
| Z 3062.00:00:00 | 3063.00:00:00 | 3.0 | 330.00 | 3.2 | 1.98382 |
| Z 3063.00:00:00 | 3064.00:00:00 | 3.0 | 332.00 | 3.2 | 1.98382 |
| Z 3064.00:00:00 | 3065.00:00:00 | 3.0 | 334.00 | 3.2 | 1.98382 |
| Z 3065.00:00:00 | 3066.00:00:00 | 3.0 | 336.00 | 3.2 | 1.76339 |
| Z 3066.00:00:00 | 3067.00:00:00 | 3.0 | 338.00 | 3.2 | 1.76339 |
| Z 3067.00:00:00 | 3068.00:00:00 | 3.0 | 340.00 | 3.2 | 1.76339 |
| Z 3068.00:00:00 | 3069.00:00:00 | 3.0 | 342.00 | 3.2 | 1.76339 |
| Z 3069.00:00:00 | 3070.00:00:00 | 3.0 | 344.00 | 3.2 | 1.76339 |
| Z 3070.00:00:00 | 3071.00:00:00 | 3.0 | 346.00 | 3.2 | 1.09110 |
| Z 3071.00:00:00 | 3072.00:00:00 | 3.0 | 348.00 | 3.2 | 1.09110 |
| Z 3072.00:00:00 | 3073.00:00:00 | 3.0 | 350.00 | 3.2 | 1.09110 |

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| Z 3073.00:00:00 | 3074.00:00:00 | 3.0 | 352.00 | 3.2 | 1.09110 |
| Z 3074.00:00:00 | 3075.00:00:00 | 3.0 | 354.00 | 3.2 | 1.09110 |
| Z 3075.00:00:00 | 3076.00:00:00 | 3.0 | 356.00 | 3.2 | 1.22335 |
| Z 3076.00:00:00 | 3077.00:00:00 | 3.0 | 358.00 | 3.2 | 1.22335 |
| Z 3077.00:00:00 | 3078.00:00:00 | 3.0 | 360.00 | 3.2 | 1.22335 |
| Z 3078.00:00:00 | 3079.00:00:00 | 3.0 | 362.00 | 3.2 | 1.22335 |
| Z 3079.00:00:00 | 3080.00:00:00 | 3.0 | 364.00 | 3.2 | 1.22335 |
| Z 3080.00:00:00 | 3081.00:00:00 | 4.5 | 6.00   | 3.2 | 0.20940 |
| Z 3081.00:00:00 | 3082.00:00:00 | 4.5 | 8.00   | 3.2 | 0.20940 |
| Z 3082.00:00:00 | 3083.00:00:00 | 4.5 | 10.00  | 3.2 | 0.20940 |
| Z 3083.00:00:00 | 3084.00:00:00 | 4.5 | 12.00  | 3.2 | 0.20940 |
| Z 3084.00:00:00 | 3085.00:00:00 | 4.5 | 14.00  | 3.2 | 0.20940 |
| Z 3085.00:00:00 | 3086.00:00:00 | 4.5 | 16.00  | 3.2 | 0.17634 |
| Z 3086.00:00:00 | 3087.00:00:00 | 4.5 | 18.00  | 3.2 | 0.17634 |
| Z 3087.00:00:00 | 3088.00:00:00 | 4.5 | 20.00  | 3.2 | 0.17634 |
| Z 3088.00:00:00 | 3089.00:00:00 | 4.5 | 22.00  | 3.2 | 0.17634 |
| Z 3089.00:00:00 | 3090.00:00:00 | 4.5 | 24.00  | 3.2 | 0.17634 |
| Z 3090.00:00:00 | 3091.00:00:00 | 4.5 | 26.00  | 3.2 | 0.31962 |
| Z 3091.00:00:00 | 3092.00:00:00 | 4.5 | 28.00  | 3.2 | 0.31962 |
| Z 3092.00:00:00 | 3093.00:00:00 | 4.5 | 30.00  | 3.2 | 0.31962 |
| Z 3093.00:00:00 | 3094.00:00:00 | 4.5 | 32.00  | 3.2 | 0.31962 |
| Z 3094.00:00:00 | 3095.00:00:00 | 4.5 | 34.00  | 3.2 | 0.31962 |
| Z 3095.00:00:00 | 3096.00:00:00 | 4.5 | 36.00  | 3.2 | 0.26451 |
| Z 3096.00:00:00 | 3097.00:00:00 | 4.5 | 38.00  | 3.2 | 0.26451 |
| Z 3097.00:00:00 | 3098.00:00:00 | 4.5 | 40.00  | 3.2 | 0.26451 |
| Z 3098.00:00:00 | 3099.00:00:00 | 4.5 | 42.00  | 3.2 | 0.26451 |
| Z 3099.00:00:00 | 3100.00:00:00 | 4.5 | 44.00  | 3.2 | 0.26451 |
| Z 3100.00:00:00 | 3101.00:00:00 | 4.5 | 46.00  | 3.2 | 0.70536 |
| Z 3101.00:00:00 | 3102.00:00:00 | 4.5 | 48.00  | 3.2 | 0.70536 |
| Z 3102.00:00:00 | 3103.00:00:00 | 4.5 | 50.00  | 3.2 | 0.70536 |
| Z 3103.00:00:00 | 3104.00:00:00 | 4.5 | 52.00  | 3.2 | 0.70536 |
| Z 3104.00:00:00 | 3105.00:00:00 | 4.5 | 54.00  | 3.2 | 0.70536 |
| Z 3105.00:00:00 | 3106.00:00:00 | 4.5 | 56.00  | 3.2 | 1.06906 |
| Z 3106.00:00:00 | 3107.00:00:00 | 4.5 | 58.00  | 3.2 | 1.06906 |
| Z 3107.00:00:00 | 3108.00:00:00 | 4.5 | 60.00  | 3.2 | 1.06906 |
| Z 3108.00:00:00 | 3109.00:00:00 | 4.5 | 62.00  | 3.2 | 1.06906 |
| Z 3109.00:00:00 | 3110.00:00:00 | 4.5 | 64.00  | 3.2 | 1.06906 |
| Z 3110.00:00:00 | 3111.00:00:00 | 4.5 | 66.00  | 3.2 | 1.26744 |
| Z 3111.00:00:00 | 3112.00:00:00 | 4.5 | 68.00  | 3.2 | 1.26744 |
| Z 3112.00:00:00 | 3113.00:00:00 | 4.5 | 70.00  | 3.2 | 1.26744 |
| Z 3113.00:00:00 | 3114.00:00:00 | 4.5 | 72.00  | 3.2 | 1.26744 |
| Z 3114.00:00:00 | 3115.00:00:00 | 4.5 | 74.00  | 3.2 | 1.26744 |
| Z 3115.00:00:00 | 3116.00:00:00 | 4.5 | 76.00  | 3.2 | 0.88170 |
| Z 3116.00:00:00 | 3117.00:00:00 | 4.5 | 78.00  | 3.2 | 0.88170 |
| Z 3117.00:00:00 | 3118.00:00:00 | 4.5 | 80.00  | 3.2 | 0.88170 |
| Z 3118.00:00:00 | 3119.00:00:00 | 4.5 | 82.00  | 3.2 | 0.88170 |
| Z 3119.00:00:00 | 3120.00:00:00 | 4.5 | 84.00  | 3.2 | 0.88170 |
| Z 3120.00:00:00 | 3121.00:00:00 | 4.5 | 86.00  | 3.2 | 0.48493 |
| Z 3121.00:00:00 | 3122.00:00:00 | 4.5 | 88.00  | 3.2 | 0.48493 |
| Z 3122.00:00:00 | 3123.00:00:00 | 4.5 | 90.00  | 3.2 | 0.48493 |
| Z 3123.00:00:00 | 3124.00:00:00 | 4.5 | 92.00  | 3.2 | 0.48493 |
| Z 3124.00:00:00 | 3125.00:00:00 | 4.5 | 94.00  | 3.2 | 0.48493 |
| Z 3125.00:00:00 | 3126.00:00:00 | 4.5 | 96.00  | 3.2 | 0.26451 |
| Z 3126.00:00:00 | 3127.00:00:00 | 4.5 | 98.00  | 3.2 | 0.26451 |
| Z 3127.00:00:00 | 3128.00:00:00 | 4.5 | 100.00 | 3.2 | 0.26451 |
| Z 3128.00:00:00 | 3129.00:00:00 | 4.5 | 102.00 | 3.2 | 0.26451 |
| Z 3129.00:00:00 | 3130.00:00:00 | 4.5 | 104.00 | 3.2 | 0.26451 |
| Z 3130.00:00:00 | 3131.00:00:00 | 4.5 | 106.00 | 3.2 | 0.27553 |
| Z 3131.00:00:00 | 3132.00:00:00 | 4.5 | 108.00 | 3.2 | 0.27553 |
| Z 3132.00:00:00 | 3133.00:00:00 | 4.5 | 110.00 | 3.2 | 0.27553 |
| Z 3133.00:00:00 | 3134.00:00:00 | 4.5 | 112.00 | 3.2 | 0.27553 |

|   |               |               |     |        |     |         |
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| Z | 3134.00:00:00 | 3135.00:00:00 | 4.5 | 114.00 | 3.2 | 0.27553 |
| Z | 3135.00:00:00 | 3136.00:00:00 | 4.5 | 116.00 | 3.2 | 0.37472 |
| Z | 3136.00:00:00 | 3137.00:00:00 | 4.5 | 118.00 | 3.2 | 0.37472 |
| Z | 3137.00:00:00 | 3138.00:00:00 | 4.5 | 120.00 | 3.2 | 0.37472 |
| Z | 3138.00:00:00 | 3139.00:00:00 | 4.5 | 122.00 | 3.2 | 0.37472 |
| Z | 3139.00:00:00 | 3140.00:00:00 | 4.5 | 124.00 | 3.2 | 0.37472 |
| Z | 3140.00:00:00 | 3141.00:00:00 | 4.5 | 126.00 | 3.2 | 0.51800 |
| Z | 3141.00:00:00 | 3142.00:00:00 | 4.5 | 128.00 | 3.2 | 0.51800 |
| Z | 3142.00:00:00 | 3143.00:00:00 | 4.5 | 130.00 | 3.2 | 0.51800 |
| Z | 3143.00:00:00 | 3144.00:00:00 | 4.5 | 132.00 | 3.2 | 0.51800 |
| Z | 3144.00:00:00 | 3145.00:00:00 | 4.5 | 134.00 | 3.2 | 0.51800 |
| Z | 3145.00:00:00 | 3146.00:00:00 | 4.5 | 136.00 | 3.2 | 0.17634 |
| Z | 3146.00:00:00 | 3147.00:00:00 | 4.5 | 138.00 | 3.2 | 0.17634 |
| Z | 3147.00:00:00 | 3148.00:00:00 | 4.5 | 140.00 | 3.2 | 0.17634 |
| Z | 3148.00:00:00 | 3149.00:00:00 | 4.5 | 142.00 | 3.2 | 0.17634 |
| Z | 3149.00:00:00 | 3150.00:00:00 | 4.5 | 144.00 | 3.2 | 0.17634 |
| Z | 3150.00:00:00 | 3151.00:00:00 | 4.5 | 146.00 | 3.2 | 0.14328 |
| Z | 3151.00:00:00 | 3152.00:00:00 | 4.5 | 148.00 | 3.2 | 0.14328 |
| Z | 3152.00:00:00 | 3153.00:00:00 | 4.5 | 150.00 | 3.2 | 0.14328 |
| Z | 3153.00:00:00 | 3154.00:00:00 | 4.5 | 152.00 | 3.2 | 0.14328 |
| Z | 3154.00:00:00 | 3155.00:00:00 | 4.5 | 154.00 | 3.2 | 0.14328 |
| Z | 3155.00:00:00 | 3156.00:00:00 | 4.5 | 156.00 | 3.2 | 0.07715 |
| Z | 3156.00:00:00 | 3157.00:00:00 | 4.5 | 158.00 | 3.2 | 0.07715 |
| Z | 3157.00:00:00 | 3158.00:00:00 | 4.5 | 160.00 | 3.2 | 0.07715 |
| Z | 3158.00:00:00 | 3159.00:00:00 | 4.5 | 162.00 | 3.2 | 0.07715 |
| Z | 3159.00:00:00 | 3160.00:00:00 | 4.5 | 164.00 | 3.2 | 0.07715 |
| Z | 3160.00:00:00 | 3161.00:00:00 | 4.5 | 166.00 | 3.2 | 0.19838 |
| Z | 3161.00:00:00 | 3162.00:00:00 | 4.5 | 168.00 | 3.2 | 0.19838 |
| Z | 3162.00:00:00 | 3163.00:00:00 | 4.5 | 170.00 | 3.2 | 0.19838 |
| Z | 3163.00:00:00 | 3164.00:00:00 | 4.5 | 172.00 | 3.2 | 0.19838 |
| Z | 3164.00:00:00 | 3165.00:00:00 | 4.5 | 174.00 | 3.2 | 0.19838 |
| Z | 3165.00:00:00 | 3166.00:00:00 | 4.5 | 176.00 | 3.2 | 0.15430 |
| Z | 3166.00:00:00 | 3167.00:00:00 | 4.5 | 178.00 | 3.2 | 0.15430 |
| Z | 3167.00:00:00 | 3168.00:00:00 | 4.5 | 180.00 | 3.2 | 0.15430 |
| Z | 3168.00:00:00 | 3169.00:00:00 | 4.5 | 182.00 | 3.2 | 0.15430 |
| Z | 3169.00:00:00 | 3170.00:00:00 | 4.5 | 184.00 | 3.2 | 0.15430 |
| Z | 3170.00:00:00 | 3171.00:00:00 | 4.5 | 186.00 | 3.2 | 0.15430 |
| Z | 3171.00:00:00 | 3172.00:00:00 | 4.5 | 188.00 | 3.2 | 0.15430 |
| Z | 3172.00:00:00 | 3173.00:00:00 | 4.5 | 190.00 | 3.2 | 0.15430 |
| Z | 3173.00:00:00 | 3174.00:00:00 | 4.5 | 192.00 | 3.2 | 0.15430 |
| Z | 3174.00:00:00 | 3175.00:00:00 | 4.5 | 194.00 | 3.2 | 0.15430 |
| Z | 3175.00:00:00 | 3176.00:00:00 | 4.5 | 196.00 | 3.2 | 0.12123 |
| Z | 3176.00:00:00 | 3177.00:00:00 | 4.5 | 198.00 | 3.2 | 0.12123 |
| Z | 3177.00:00:00 | 3178.00:00:00 | 4.5 | 200.00 | 3.2 | 0.12123 |
| Z | 3178.00:00:00 | 3179.00:00:00 | 4.5 | 202.00 | 3.2 | 0.12123 |
| Z | 3179.00:00:00 | 3180.00:00:00 | 4.5 | 204.00 | 3.2 | 0.12123 |
| Z | 3180.00:00:00 | 3181.00:00:00 | 4.5 | 206.00 | 3.2 | 0.17634 |
| Z | 3181.00:00:00 | 3182.00:00:00 | 4.5 | 208.00 | 3.2 | 0.17634 |
| Z | 3182.00:00:00 | 3183.00:00:00 | 4.5 | 210.00 | 3.2 | 0.17634 |
| Z | 3183.00:00:00 | 3184.00:00:00 | 4.5 | 212.00 | 3.2 | 0.17634 |
| Z | 3184.00:00:00 | 3185.00:00:00 | 4.5 | 214.00 | 3.2 | 0.17634 |
| Z | 3185.00:00:00 | 3186.00:00:00 | 4.5 | 216.00 | 3.2 | 0.34166 |
| Z | 3186.00:00:00 | 3187.00:00:00 | 4.5 | 218.00 | 3.2 | 0.34166 |
| Z | 3187.00:00:00 | 3188.00:00:00 | 4.5 | 220.00 | 3.2 | 0.34166 |
| Z | 3188.00:00:00 | 3189.00:00:00 | 4.5 | 222.00 | 3.2 | 0.34166 |
| Z | 3189.00:00:00 | 3190.00:00:00 | 4.5 | 224.00 | 3.2 | 0.34166 |
| Z | 3190.00:00:00 | 3191.00:00:00 | 4.5 | 226.00 | 3.2 | 0.46289 |
| Z | 3191.00:00:00 | 3192.00:00:00 | 4.5 | 228.00 | 3.2 | 0.46289 |
| Z | 3192.00:00:00 | 3193.00:00:00 | 4.5 | 230.00 | 3.2 | 0.46289 |
| Z | 3193.00:00:00 | 3194.00:00:00 | 4.5 | 232.00 | 3.2 | 0.46289 |
| Z | 3194.00:00:00 | 3195.00:00:00 | 4.5 | 234.00 | 3.2 | 0.46289 |

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| Z | 3195.00:00:00 | 3196.00:00:00 | 4.5 | 236.00 | 3.2 | 0.54004 |
| Z | 3196.00:00:00 | 3197.00:00:00 | 4.5 | 238.00 | 3.2 | 0.54004 |
| Z | 3197.00:00:00 | 3198.00:00:00 | 4.5 | 240.00 | 3.2 | 0.54004 |
| Z | 3198.00:00:00 | 3199.00:00:00 | 4.5 | 242.00 | 3.2 | 0.54004 |
| Z | 3199.00:00:00 | 3200.00:00:00 | 4.5 | 244.00 | 3.2 | 0.54004 |
| Z | 3200.00:00:00 | 3201.00:00:00 | 4.5 | 246.00 | 3.2 | 0.59515 |
| Z | 3201.00:00:00 | 3202.00:00:00 | 4.5 | 248.00 | 3.2 | 0.59515 |
| Z | 3202.00:00:00 | 3203.00:00:00 | 4.5 | 250.00 | 3.2 | 0.59515 |
| Z | 3203.00:00:00 | 3204.00:00:00 | 4.5 | 252.00 | 3.2 | 0.59515 |
| Z | 3204.00:00:00 | 3205.00:00:00 | 4.5 | 254.00 | 3.2 | 0.59515 |
| Z | 3205.00:00:00 | 3206.00:00:00 | 4.5 | 256.00 | 3.2 | 0.65025 |
| Z | 3206.00:00:00 | 3207.00:00:00 | 4.5 | 258.00 | 3.2 | 0.65025 |
| Z | 3207.00:00:00 | 3208.00:00:00 | 4.5 | 260.00 | 3.2 | 0.65025 |
| Z | 3208.00:00:00 | 3209.00:00:00 | 4.5 | 262.00 | 3.2 | 0.65025 |
| Z | 3209.00:00:00 | 3210.00:00:00 | 4.5 | 264.00 | 3.2 | 0.65025 |
| Z | 3210.00:00:00 | 3211.00:00:00 | 4.5 | 266.00 | 3.2 | 0.71638 |
| Z | 3211.00:00:00 | 3212.00:00:00 | 4.5 | 268.00 | 3.2 | 0.71638 |
| Z | 3212.00:00:00 | 3213.00:00:00 | 4.5 | 270.00 | 3.2 | 0.71638 |
| Z | 3213.00:00:00 | 3214.00:00:00 | 4.5 | 272.00 | 3.2 | 0.71638 |
| Z | 3214.00:00:00 | 3215.00:00:00 | 4.5 | 274.00 | 3.2 | 0.71638 |
| Z | 3215.00:00:00 | 3216.00:00:00 | 4.5 | 276.00 | 3.2 | 0.72740 |
| Z | 3216.00:00:00 | 3217.00:00:00 | 4.5 | 278.00 | 3.2 | 0.72740 |
| Z | 3217.00:00:00 | 3218.00:00:00 | 4.5 | 280.00 | 3.2 | 0.72740 |
| Z | 3218.00:00:00 | 3219.00:00:00 | 4.5 | 282.00 | 3.2 | 0.72740 |
| Z | 3219.00:00:00 | 3220.00:00:00 | 4.5 | 284.00 | 3.2 | 0.72740 |
| Z | 3220.00:00:00 | 3221.00:00:00 | 4.5 | 286.00 | 3.2 | 0.83761 |
| Z | 3221.00:00:00 | 3222.00:00:00 | 4.5 | 288.00 | 3.2 | 0.83761 |
| Z | 3222.00:00:00 | 3223.00:00:00 | 4.5 | 290.00 | 3.2 | 0.83761 |
| Z | 3223.00:00:00 | 3224.00:00:00 | 4.5 | 292.00 | 3.2 | 0.83761 |
| Z | 3224.00:00:00 | 3225.00:00:00 | 4.5 | 294.00 | 3.2 | 0.83761 |
| Z | 3225.00:00:00 | 3226.00:00:00 | 4.5 | 296.00 | 3.2 | 0.68332 |
| Z | 3226.00:00:00 | 3227.00:00:00 | 4.5 | 298.00 | 3.2 | 0.68332 |
| Z | 3227.00:00:00 | 3228.00:00:00 | 4.5 | 300.00 | 3.2 | 0.68332 |
| Z | 3228.00:00:00 | 3229.00:00:00 | 4.5 | 302.00 | 3.2 | 0.68332 |
| Z | 3229.00:00:00 | 3230.00:00:00 | 4.5 | 304.00 | 3.2 | 0.68332 |
| Z | 3230.00:00:00 | 3231.00:00:00 | 4.5 | 306.00 | 3.2 | 0.46289 |
| Z | 3231.00:00:00 | 3232.00:00:00 | 4.5 | 308.00 | 3.2 | 0.46289 |
| Z | 3232.00:00:00 | 3233.00:00:00 | 4.5 | 310.00 | 3.2 | 0.46289 |
| Z | 3233.00:00:00 | 3234.00:00:00 | 4.5 | 312.00 | 3.2 | 0.46289 |
| Z | 3234.00:00:00 | 3235.00:00:00 | 4.5 | 314.00 | 3.2 | 0.46289 |
| Z | 3235.00:00:00 | 3236.00:00:00 | 4.5 | 316.00 | 3.2 | 0.38574 |
| Z | 3236.00:00:00 | 3237.00:00:00 | 4.5 | 318.00 | 3.2 | 0.38574 |
| Z | 3237.00:00:00 | 3238.00:00:00 | 4.5 | 320.00 | 3.2 | 0.38574 |
| Z | 3238.00:00:00 | 3239.00:00:00 | 4.5 | 322.00 | 3.2 | 0.38574 |
| Z | 3239.00:00:00 | 3240.00:00:00 | 4.5 | 324.00 | 3.2 | 0.38574 |
| Z | 3240.00:00:00 | 3241.00:00:00 | 4.5 | 326.00 | 3.2 | 0.55106 |
| Z | 3241.00:00:00 | 3242.00:00:00 | 4.5 | 328.00 | 3.2 | 0.55106 |
| Z | 3242.00:00:00 | 3243.00:00:00 | 4.5 | 330.00 | 3.2 | 0.55106 |
| Z | 3243.00:00:00 | 3244.00:00:00 | 4.5 | 332.00 | 3.2 | 0.55106 |
| Z | 3244.00:00:00 | 3245.00:00:00 | 4.5 | 334.00 | 3.2 | 0.55106 |
| Z | 3245.00:00:00 | 3246.00:00:00 | 4.5 | 336.00 | 3.2 | 0.29757 |
| Z | 3246.00:00:00 | 3247.00:00:00 | 4.5 | 338.00 | 3.2 | 0.29757 |
| Z | 3247.00:00:00 | 3248.00:00:00 | 4.5 | 340.00 | 3.2 | 0.29757 |
| Z | 3248.00:00:00 | 3249.00:00:00 | 4.5 | 342.00 | 3.2 | 0.29757 |
| Z | 3249.00:00:00 | 3250.00:00:00 | 4.5 | 344.00 | 3.2 | 0.29757 |
| Z | 3250.00:00:00 | 3251.00:00:00 | 4.5 | 346.00 | 3.2 | 0.16532 |
| Z | 3251.00:00:00 | 3252.00:00:00 | 4.5 | 348.00 | 3.2 | 0.16532 |
| Z | 3252.00:00:00 | 3253.00:00:00 | 4.5 | 350.00 | 3.2 | 0.16532 |
| Z | 3253.00:00:00 | 3254.00:00:00 | 4.5 | 352.00 | 3.2 | 0.16532 |
| Z | 3254.00:00:00 | 3255.00:00:00 | 4.5 | 354.00 | 3.2 | 0.16532 |
| Z | 3255.00:00:00 | 3256.00:00:00 | 4.5 | 356.00 | 3.2 | 0.17634 |

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| Z | 3256.00:00:00 | 3257.00:00:00 | 4.5 | 358.00 | 3.2 | 0.17634 |
| Z | 3257.00:00:00 | 3258.00:00:00 | 4.5 | 360.00 | 3.2 | 0.17634 |
| Z | 3258.00:00:00 | 3259.00:00:00 | 4.5 | 362.00 | 3.2 | 0.17634 |
| Z | 3259.00:00:00 | 3260.00:00:00 | 4.5 | 364.00 | 3.2 | 0.17634 |
| Z | 3260.00:00:00 | 3261.00:00:00 | 6.0 | 6.00   | 3.2 | 0.01102 |
| Z | 3261.00:00:00 | 3262.00:00:00 | 6.0 | 8.00   | 3.2 | 0.01102 |
| Z | 3262.00:00:00 | 3263.00:00:00 | 6.0 | 10.00  | 3.2 | 0.01102 |
| Z | 3263.00:00:00 | 3264.00:00:00 | 6.0 | 12.00  | 3.2 | 0.01102 |
| Z | 3264.00:00:00 | 3265.00:00:00 | 6.0 | 14.00  | 3.2 | 0.01102 |
| Z | 3265.00:00:00 | 3266.00:00:00 | 6.0 | 26.00  | 3.2 | 0.06613 |
| Z | 3266.00:00:00 | 3267.00:00:00 | 6.0 | 28.00  | 3.2 | 0.06613 |
| Z | 3267.00:00:00 | 3268.00:00:00 | 6.0 | 30.00  | 3.2 | 0.06613 |
| Z | 3268.00:00:00 | 3269.00:00:00 | 6.0 | 32.00  | 3.2 | 0.06613 |
| Z | 3269.00:00:00 | 3270.00:00:00 | 6.0 | 34.00  | 3.2 | 0.06613 |
| Z | 3270.00:00:00 | 3271.00:00:00 | 6.0 | 36.00  | 3.2 | 0.05511 |
| Z | 3271.00:00:00 | 3272.00:00:00 | 6.0 | 38.00  | 3.2 | 0.05511 |
| Z | 3272.00:00:00 | 3273.00:00:00 | 6.0 | 40.00  | 3.2 | 0.05511 |
| Z | 3273.00:00:00 | 3274.00:00:00 | 6.0 | 42.00  | 3.2 | 0.05511 |
| Z | 3274.00:00:00 | 3275.00:00:00 | 6.0 | 44.00  | 3.2 | 0.05511 |
| Z | 3275.00:00:00 | 3276.00:00:00 | 6.0 | 46.00  | 3.2 | 0.16532 |
| Z | 3276.00:00:00 | 3277.00:00:00 | 6.0 | 48.00  | 3.2 | 0.16532 |
| Z | 3277.00:00:00 | 3278.00:00:00 | 6.0 | 50.00  | 3.2 | 0.16532 |
| Z | 3278.00:00:00 | 3279.00:00:00 | 6.0 | 52.00  | 3.2 | 0.16532 |
| Z | 3279.00:00:00 | 3280.00:00:00 | 6.0 | 54.00  | 3.2 | 0.16532 |
| Z | 3280.00:00:00 | 3281.00:00:00 | 6.0 | 56.00  | 3.2 | 0.25349 |
| Z | 3281.00:00:00 | 3282.00:00:00 | 6.0 | 58.00  | 3.2 | 0.25349 |
| Z | 3282.00:00:00 | 3283.00:00:00 | 6.0 | 60.00  | 3.2 | 0.25349 |
| Z | 3283.00:00:00 | 3284.00:00:00 | 6.0 | 62.00  | 3.2 | 0.25349 |
| Z | 3284.00:00:00 | 3285.00:00:00 | 6.0 | 64.00  | 3.2 | 0.25349 |
| Z | 3285.00:00:00 | 3286.00:00:00 | 6.0 | 66.00  | 3.2 | 0.26451 |
| Z | 3286.00:00:00 | 3287.00:00:00 | 6.0 | 68.00  | 3.2 | 0.26451 |
| Z | 3287.00:00:00 | 3288.00:00:00 | 6.0 | 70.00  | 3.2 | 0.26451 |
| Z | 3288.00:00:00 | 3289.00:00:00 | 6.0 | 72.00  | 3.2 | 0.26451 |
| Z | 3289.00:00:00 | 3290.00:00:00 | 6.0 | 74.00  | 3.2 | 0.26451 |
| Z | 3290.00:00:00 | 3291.00:00:00 | 6.0 | 76.00  | 3.2 | 0.17634 |
| Z | 3291.00:00:00 | 3292.00:00:00 | 6.0 | 78.00  | 3.2 | 0.17634 |
| Z | 3292.00:00:00 | 3293.00:00:00 | 6.0 | 80.00  | 3.2 | 0.17634 |
| Z | 3293.00:00:00 | 3294.00:00:00 | 6.0 | 82.00  | 3.2 | 0.17634 |
| Z | 3294.00:00:00 | 3295.00:00:00 | 6.0 | 84.00  | 3.2 | 0.17634 |
| Z | 3295.00:00:00 | 3296.00:00:00 | 6.0 | 86.00  | 3.2 | 0.02204 |
| Z | 3296.00:00:00 | 3297.00:00:00 | 6.0 | 88.00  | 3.2 | 0.02204 |
| Z | 3297.00:00:00 | 3298.00:00:00 | 6.0 | 90.00  | 3.2 | 0.02204 |
| Z | 3298.00:00:00 | 3299.00:00:00 | 6.0 | 92.00  | 3.2 | 0.02204 |
| Z | 3299.00:00:00 | 3300.00:00:00 | 6.0 | 94.00  | 3.2 | 0.02204 |
| Z | 3300.00:00:00 | 3301.00:00:00 | 6.0 | 96.00  | 3.2 | 0.03306 |
| Z | 3301.00:00:00 | 3302.00:00:00 | 6.0 | 98.00  | 3.2 | 0.03306 |
| Z | 3302.00:00:00 | 3303.00:00:00 | 6.0 | 100.00 | 3.2 | 0.03306 |
| Z | 3303.00:00:00 | 3304.00:00:00 | 6.0 | 102.00 | 3.2 | 0.03306 |
| Z | 3304.00:00:00 | 3305.00:00:00 | 6.0 | 104.00 | 3.2 | 0.03306 |
| Z | 3305.00:00:00 | 3306.00:00:00 | 6.0 | 106.00 | 3.2 | 0.02204 |
| Z | 3306.00:00:00 | 3307.00:00:00 | 6.0 | 108.00 | 3.2 | 0.02204 |
| Z | 3307.00:00:00 | 3308.00:00:00 | 6.0 | 110.00 | 3.2 | 0.02204 |
| Z | 3308.00:00:00 | 3309.00:00:00 | 6.0 | 112.00 | 3.2 | 0.02204 |
| Z | 3309.00:00:00 | 3310.00:00:00 | 6.0 | 114.00 | 3.2 | 0.02204 |
| Z | 3310.00:00:00 | 3311.00:00:00 | 6.0 | 116.00 | 3.2 | 0.07715 |
| Z | 3311.00:00:00 | 3312.00:00:00 | 6.0 | 118.00 | 3.2 | 0.07715 |
| Z | 3312.00:00:00 | 3313.00:00:00 | 6.0 | 120.00 | 3.2 | 0.07715 |
| Z | 3313.00:00:00 | 3314.00:00:00 | 6.0 | 122.00 | 3.2 | 0.07715 |
| Z | 3314.00:00:00 | 3315.00:00:00 | 6.0 | 124.00 | 3.2 | 0.07715 |
| Z | 3315.00:00:00 | 3316.00:00:00 | 6.0 | 126.00 | 3.2 | 0.05511 |
| Z | 3316.00:00:00 | 3317.00:00:00 | 6.0 | 128.00 | 3.2 | 0.05511 |

|   |               |               |     |        |     |         |
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| Z | 3317.00:00:00 | 3318.00:00:00 | 6.0 | 130.00 | 3.2 | 0.05511 |
| Z | 3318.00:00:00 | 3319.00:00:00 | 6.0 | 132.00 | 3.2 | 0.05511 |
| Z | 3319.00:00:00 | 3320.00:00:00 | 6.0 | 134.00 | 3.2 | 0.05511 |
| Z | 3320.00:00:00 | 3321.00:00:00 | 6.0 | 146.00 | 3.2 | 0.01102 |
| Z | 3321.00:00:00 | 3322.00:00:00 | 6.0 | 148.00 | 3.2 | 0.01102 |
| Z | 3322.00:00:00 | 3323.00:00:00 | 6.0 | 150.00 | 3.2 | 0.01102 |
| Z | 3323.00:00:00 | 3324.00:00:00 | 6.0 | 152.00 | 3.2 | 0.01102 |
| Z | 3324.00:00:00 | 3325.00:00:00 | 6.0 | 154.00 | 3.2 | 0.01102 |
| Z | 3325.00:00:00 | 3326.00:00:00 | 6.0 | 176.00 | 3.2 | 0.03306 |
| Z | 3326.00:00:00 | 3327.00:00:00 | 6.0 | 178.00 | 3.2 | 0.03306 |
| Z | 3327.00:00:00 | 3328.00:00:00 | 6.0 | 180.00 | 3.2 | 0.03306 |
| Z | 3328.00:00:00 | 3329.00:00:00 | 6.0 | 182.00 | 3.2 | 0.03306 |
| Z | 3329.00:00:00 | 3330.00:00:00 | 6.0 | 184.00 | 3.2 | 0.03306 |
| Z | 3330.00:00:00 | 3331.00:00:00 | 6.0 | 186.00 | 3.2 | 0.01102 |
| Z | 3331.00:00:00 | 3332.00:00:00 | 6.0 | 188.00 | 3.2 | 0.01102 |
| Z | 3332.00:00:00 | 3333.00:00:00 | 6.0 | 190.00 | 3.2 | 0.01102 |
| Z | 3333.00:00:00 | 3334.00:00:00 | 6.0 | 192.00 | 3.2 | 0.01102 |
| Z | 3334.00:00:00 | 3335.00:00:00 | 6.0 | 194.00 | 3.2 | 0.01102 |
| Z | 3335.00:00:00 | 3336.00:00:00 | 6.0 | 196.00 | 3.2 | 0.03306 |
| Z | 3336.00:00:00 | 3337.00:00:00 | 6.0 | 198.00 | 3.2 | 0.03306 |
| Z | 3337.00:00:00 | 3338.00:00:00 | 6.0 | 200.00 | 3.2 | 0.03306 |
| Z | 3338.00:00:00 | 3339.00:00:00 | 6.0 | 202.00 | 3.2 | 0.03306 |
| Z | 3339.00:00:00 | 3340.00:00:00 | 6.0 | 204.00 | 3.2 | 0.03306 |
| Z | 3340.00:00:00 | 3341.00:00:00 | 6.0 | 206.00 | 3.2 | 0.05511 |
| Z | 3341.00:00:00 | 3342.00:00:00 | 6.0 | 208.00 | 3.2 | 0.05511 |
| Z | 3342.00:00:00 | 3343.00:00:00 | 6.0 | 210.00 | 3.2 | 0.05511 |
| Z | 3343.00:00:00 | 3344.00:00:00 | 6.0 | 212.00 | 3.2 | 0.05511 |
| Z | 3344.00:00:00 | 3345.00:00:00 | 6.0 | 214.00 | 3.2 | 0.05511 |
| Z | 3345.00:00:00 | 3346.00:00:00 | 6.0 | 216.00 | 3.2 | 0.18736 |
| Z | 3346.00:00:00 | 3347.00:00:00 | 6.0 | 218.00 | 3.2 | 0.18736 |
| Z | 3347.00:00:00 | 3348.00:00:00 | 6.0 | 220.00 | 3.2 | 0.18736 |
| Z | 3348.00:00:00 | 3349.00:00:00 | 6.0 | 222.00 | 3.2 | 0.18736 |
| Z | 3349.00:00:00 | 3350.00:00:00 | 6.0 | 224.00 | 3.2 | 0.18736 |
| Z | 3350.00:00:00 | 3351.00:00:00 | 6.0 | 226.00 | 3.2 | 0.19838 |
| Z | 3351.00:00:00 | 3352.00:00:00 | 6.0 | 228.00 | 3.2 | 0.19838 |
| Z | 3352.00:00:00 | 3353.00:00:00 | 6.0 | 230.00 | 3.2 | 0.19838 |
| Z | 3353.00:00:00 | 3354.00:00:00 | 6.0 | 232.00 | 3.2 | 0.19838 |
| Z | 3354.00:00:00 | 3355.00:00:00 | 6.0 | 234.00 | 3.2 | 0.19838 |
| Z | 3355.00:00:00 | 3356.00:00:00 | 6.0 | 236.00 | 3.2 | 0.25349 |
| Z | 3356.00:00:00 | 3357.00:00:00 | 6.0 | 238.00 | 3.2 | 0.25349 |
| Z | 3357.00:00:00 | 3358.00:00:00 | 6.0 | 240.00 | 3.2 | 0.25349 |
| Z | 3358.00:00:00 | 3359.00:00:00 | 6.0 | 242.00 | 3.2 | 0.25349 |
| Z | 3359.00:00:00 | 3360.00:00:00 | 6.0 | 244.00 | 3.2 | 0.25349 |
| Z | 3360.00:00:00 | 3361.00:00:00 | 6.0 | 246.00 | 3.2 | 0.17634 |
| Z | 3361.00:00:00 | 3362.00:00:00 | 6.0 | 248.00 | 3.2 | 0.17634 |
| Z | 3362.00:00:00 | 3363.00:00:00 | 6.0 | 250.00 | 3.2 | 0.17634 |
| Z | 3363.00:00:00 | 3364.00:00:00 | 6.0 | 252.00 | 3.2 | 0.17634 |
| Z | 3364.00:00:00 | 3365.00:00:00 | 6.0 | 254.00 | 3.2 | 0.17634 |
| Z | 3365.00:00:00 | 3366.00:00:00 | 6.0 | 256.00 | 3.2 | 0.19838 |
| Z | 3366.00:00:00 | 3367.00:00:00 | 6.0 | 258.00 | 3.2 | 0.19838 |
| Z | 3367.00:00:00 | 3368.00:00:00 | 6.0 | 260.00 | 3.2 | 0.19838 |
| Z | 3368.00:00:00 | 3369.00:00:00 | 6.0 | 262.00 | 3.2 | 0.19838 |
| Z | 3369.00:00:00 | 3370.00:00:00 | 6.0 | 264.00 | 3.2 | 0.19838 |
| Z | 3370.00:00:00 | 3371.00:00:00 | 6.0 | 266.00 | 3.2 | 0.20940 |
| Z | 3371.00:00:00 | 3372.00:00:00 | 6.0 | 268.00 | 3.2 | 0.20940 |
| Z | 3372.00:00:00 | 3373.00:00:00 | 6.0 | 270.00 | 3.2 | 0.20940 |
| Z | 3373.00:00:00 | 3374.00:00:00 | 6.0 | 272.00 | 3.2 | 0.20940 |
| Z | 3374.00:00:00 | 3375.00:00:00 | 6.0 | 274.00 | 3.2 | 0.20940 |
| Z | 3375.00:00:00 | 3376.00:00:00 | 6.0 | 276.00 | 3.2 | 0.34166 |
| Z | 3376.00:00:00 | 3377.00:00:00 | 6.0 | 278.00 | 3.2 | 0.34166 |
| Z | 3377.00:00:00 | 3378.00:00:00 | 6.0 | 280.00 | 3.2 | 0.34166 |

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| Z 3378.00:00:00 | 3379.00:00:00 | 6.0 | 282.00 | 3.2 | 0.34166 |
| Z 3379.00:00:00 | 3380.00:00:00 | 6.0 | 284.00 | 3.2 | 0.34166 |
| Z 3380.00:00:00 | 3381.00:00:00 | 6.0 | 286.00 | 3.2 | 0.29757 |
| Z 3381.00:00:00 | 3382.00:00:00 | 6.0 | 288.00 | 3.2 | 0.29757 |
| Z 3382.00:00:00 | 3383.00:00:00 | 6.0 | 290.00 | 3.2 | 0.29757 |
| Z 3383.00:00:00 | 3384.00:00:00 | 6.0 | 292.00 | 3.2 | 0.29757 |
| Z 3384.00:00:00 | 3385.00:00:00 | 6.0 | 294.00 | 3.2 | 0.29757 |
| Z 3385.00:00:00 | 3386.00:00:00 | 6.0 | 296.00 | 3.2 | 0.15430 |
| Z 3386.00:00:00 | 3387.00:00:00 | 6.0 | 298.00 | 3.2 | 0.15430 |
| Z 3387.00:00:00 | 3388.00:00:00 | 6.0 | 300.00 | 3.2 | 0.15430 |
| Z 3388.00:00:00 | 3389.00:00:00 | 6.0 | 302.00 | 3.2 | 0.15430 |
| Z 3389.00:00:00 | 3390.00:00:00 | 6.0 | 304.00 | 3.2 | 0.15430 |
| Z 3390.00:00:00 | 3391.00:00:00 | 6.0 | 306.00 | 3.2 | 0.06613 |
| Z 3391.00:00:00 | 3392.00:00:00 | 6.0 | 308.00 | 3.2 | 0.06613 |
| Z 3392.00:00:00 | 3393.00:00:00 | 6.0 | 310.00 | 3.2 | 0.06613 |
| Z 3393.00:00:00 | 3394.00:00:00 | 6.0 | 312.00 | 3.2 | 0.06613 |
| Z 3394.00:00:00 | 3395.00:00:00 | 6.0 | 314.00 | 3.2 | 0.06613 |
| Z 3395.00:00:00 | 3396.00:00:00 | 6.0 | 316.00 | 3.2 | 0.15430 |
| Z 3396.00:00:00 | 3397.00:00:00 | 6.0 | 318.00 | 3.2 | 0.15430 |
| Z 3397.00:00:00 | 3398.00:00:00 | 6.0 | 320.00 | 3.2 | 0.15430 |
| Z 3398.00:00:00 | 3399.00:00:00 | 6.0 | 322.00 | 3.2 | 0.15430 |
| Z 3399.00:00:00 | 3400.00:00:00 | 6.0 | 324.00 | 3.2 | 0.15430 |
| Z 3400.00:00:00 | 3401.00:00:00 | 6.0 | 326.00 | 3.2 | 0.06613 |
| Z 3401.00:00:00 | 3402.00:00:00 | 6.0 | 328.00 | 3.2 | 0.06613 |
| Z 3402.00:00:00 | 3403.00:00:00 | 6.0 | 330.00 | 3.2 | 0.06613 |
| Z 3403.00:00:00 | 3404.00:00:00 | 6.0 | 332.00 | 3.2 | 0.06613 |
| Z 3404.00:00:00 | 3405.00:00:00 | 6.0 | 334.00 | 3.2 | 0.06613 |
| Z 3405.00:00:00 | 3406.00:00:00 | 6.0 | 336.00 | 3.2 | 0.03306 |
| Z 3406.00:00:00 | 3407.00:00:00 | 6.0 | 338.00 | 3.2 | 0.03306 |
| Z 3407.00:00:00 | 3408.00:00:00 | 6.0 | 340.00 | 3.2 | 0.03306 |
| Z 3408.00:00:00 | 3409.00:00:00 | 6.0 | 342.00 | 3.2 | 0.03306 |
| Z 3409.00:00:00 | 3410.00:00:00 | 6.0 | 344.00 | 3.2 | 0.03306 |
| Z 3410.00:00:00 | 3411.00:00:00 | 7.5 | 56.00  | 3.2 | 0.01102 |
| Z 3411.00:00:00 | 3412.00:00:00 | 7.5 | 58.00  | 3.2 | 0.01102 |
| Z 3412.00:00:00 | 3413.00:00:00 | 7.5 | 60.00  | 3.2 | 0.01102 |
| Z 3413.00:00:00 | 3414.00:00:00 | 7.5 | 62.00  | 3.2 | 0.01102 |
| Z 3414.00:00:00 | 3415.00:00:00 | 7.5 | 64.00  | 3.2 | 0.01102 |
| Z 3415.00:00:00 | 3416.00:00:00 | 7.5 | 76.00  | 3.2 | 0.02204 |
| Z 3416.00:00:00 | 3417.00:00:00 | 7.5 | 78.00  | 3.2 | 0.02204 |
| Z 3417.00:00:00 | 3418.00:00:00 | 7.5 | 80.00  | 3.2 | 0.02204 |
| Z 3418.00:00:00 | 3419.00:00:00 | 7.5 | 82.00  | 3.2 | 0.02204 |
| Z 3419.00:00:00 | 3420.00:00:00 | 7.5 | 84.00  | 3.2 | 0.02204 |
| Z 3420.00:00:00 | 3421.00:00:00 | 7.5 | 216.00 | 3.2 | 0.03306 |
| Z 3421.00:00:00 | 3422.00:00:00 | 7.5 | 218.00 | 3.2 | 0.03306 |
| Z 3422.00:00:00 | 3423.00:00:00 | 7.5 | 220.00 | 3.2 | 0.03306 |
| Z 3423.00:00:00 | 3424.00:00:00 | 7.5 | 222.00 | 3.2 | 0.03306 |
| Z 3424.00:00:00 | 3425.00:00:00 | 7.5 | 224.00 | 3.2 | 0.03306 |
| Z 3425.00:00:00 | 3426.00:00:00 | 7.5 | 226.00 | 3.2 | 0.02204 |
| Z 3426.00:00:00 | 3427.00:00:00 | 7.5 | 228.00 | 3.2 | 0.02204 |
| Z 3427.00:00:00 | 3428.00:00:00 | 7.5 | 230.00 | 3.2 | 0.02204 |
| Z 3428.00:00:00 | 3429.00:00:00 | 7.5 | 232.00 | 3.2 | 0.02204 |
| Z 3429.00:00:00 | 3430.00:00:00 | 7.5 | 234.00 | 3.2 | 0.02204 |
| Z 3430.00:00:00 | 3431.00:00:00 | 7.5 | 236.00 | 3.2 | 0.06613 |
| Z 3431.00:00:00 | 3432.00:00:00 | 7.5 | 238.00 | 3.2 | 0.06613 |
| Z 3432.00:00:00 | 3433.00:00:00 | 7.5 | 240.00 | 3.2 | 0.06613 |
| Z 3433.00:00:00 | 3434.00:00:00 | 7.5 | 242.00 | 3.2 | 0.06613 |
| Z 3434.00:00:00 | 3435.00:00:00 | 7.5 | 244.00 | 3.2 | 0.06613 |
| Z 3435.00:00:00 | 3436.00:00:00 | 7.5 | 246.00 | 3.2 | 0.02204 |
| Z 3436.00:00:00 | 3437.00:00:00 | 7.5 | 248.00 | 3.2 | 0.02204 |
| Z 3437.00:00:00 | 3438.00:00:00 | 7.5 | 250.00 | 3.2 | 0.02204 |
| Z 3438.00:00:00 | 3439.00:00:00 | 7.5 | 252.00 | 3.2 | 0.02204 |

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| Z 3439.00:00:00 | 3440.00:00:00 | 7.5 | 254.00 | 3.2 | 0.02204 |
| Z 3440.00:00:00 | 3441.00:00:00 | 7.5 | 256.00 | 3.2 | 0.05511 |
| Z 3441.00:00:00 | 3442.00:00:00 | 7.5 | 258.00 | 3.2 | 0.05511 |
| Z 3442.00:00:00 | 3443.00:00:00 | 7.5 | 260.00 | 3.2 | 0.05511 |
| Z 3443.00:00:00 | 3444.00:00:00 | 7.5 | 262.00 | 3.2 | 0.05511 |
| Z 3444.00:00:00 | 3445.00:00:00 | 7.5 | 264.00 | 3.2 | 0.05511 |
| Z 3445.00:00:00 | 3446.00:00:00 | 7.5 | 266.00 | 3.2 | 0.08817 |
| Z 3446.00:00:00 | 3447.00:00:00 | 7.5 | 268.00 | 3.2 | 0.08817 |
| Z 3447.00:00:00 | 3448.00:00:00 | 7.5 | 270.00 | 3.2 | 0.08817 |
| Z 3448.00:00:00 | 3449.00:00:00 | 7.5 | 272.00 | 3.2 | 0.08817 |
| Z 3449.00:00:00 | 3450.00:00:00 | 7.5 | 274.00 | 3.2 | 0.08817 |
| Z 3450.00:00:00 | 3451.00:00:00 | 7.5 | 276.00 | 3.2 | 0.05511 |
| Z 3451.00:00:00 | 3452.00:00:00 | 7.5 | 278.00 | 3.2 | 0.05511 |
| Z 3452.00:00:00 | 3453.00:00:00 | 7.5 | 280.00 | 3.2 | 0.05511 |
| Z 3453.00:00:00 | 3454.00:00:00 | 7.5 | 282.00 | 3.2 | 0.05511 |
| Z 3454.00:00:00 | 3455.00:00:00 | 7.5 | 284.00 | 3.2 | 0.05511 |
| Z 3455.00:00:00 | 3456.00:00:00 | 7.5 | 286.00 | 3.2 | 0.03306 |
| Z 3456.00:00:00 | 3457.00:00:00 | 7.5 | 288.00 | 3.2 | 0.03306 |
| Z 3457.00:00:00 | 3458.00:00:00 | 7.5 | 290.00 | 3.2 | 0.03306 |
| Z 3458.00:00:00 | 3459.00:00:00 | 7.5 | 292.00 | 3.2 | 0.03306 |
| Z 3459.00:00:00 | 3460.00:00:00 | 7.5 | 294.00 | 3.2 | 0.03306 |
| Z 3460.00:00:00 | 3461.00:00:00 | 7.5 | 296.00 | 3.2 | 0.02204 |
| Z 3461.00:00:00 | 3462.00:00:00 | 7.5 | 298.00 | 3.2 | 0.02204 |
| Z 3462.00:00:00 | 3463.00:00:00 | 7.5 | 300.00 | 3.2 | 0.02204 |
| Z 3463.00:00:00 | 3464.00:00:00 | 7.5 | 302.00 | 3.2 | 0.02204 |
| Z 3464.00:00:00 | 3465.00:00:00 | 7.5 | 304.00 | 3.2 | 0.02204 |
| Z 3465.00:00:00 | 3466.00:00:00 | 7.5 | 306.00 | 3.2 | 0.06613 |
| Z 3466.00:00:00 | 3467.00:00:00 | 7.5 | 308.00 | 3.2 | 0.06613 |
| Z 3467.00:00:00 | 3468.00:00:00 | 7.5 | 310.00 | 3.2 | 0.06613 |
| Z 3468.00:00:00 | 3469.00:00:00 | 7.5 | 312.00 | 3.2 | 0.06613 |
| Z 3469.00:00:00 | 3470.00:00:00 | 7.5 | 314.00 | 3.2 | 0.06613 |
| Z 3470.00:00:00 | 3471.00:00:00 | 7.5 | 316.00 | 3.2 | 0.02204 |
| Z 3471.00:00:00 | 3472.00:00:00 | 7.5 | 318.00 | 3.2 | 0.02204 |
| Z 3472.00:00:00 | 3473.00:00:00 | 7.5 | 320.00 | 3.2 | 0.02204 |
| Z 3473.00:00:00 | 3474.00:00:00 | 7.5 | 322.00 | 3.2 | 0.02204 |
| Z 3474.00:00:00 | 3475.00:00:00 | 7.5 | 324.00 | 3.2 | 0.02204 |
| Z 3475.00:00:00 | 3476.00:00:00 | 9.0 | 216.00 | 3.2 | 0.01102 |
| Z 3476.00:00:00 | 3477.00:00:00 | 9.0 | 218.00 | 3.2 | 0.01102 |
| Z 3477.00:00:00 | 3478.00:00:00 | 9.0 | 220.00 | 3.2 | 0.01102 |
| Z 3478.00:00:00 | 3479.00:00:00 | 9.0 | 222.00 | 3.2 | 0.01102 |
| Z 3479.00:00:00 | 3480.00:00:00 | 9.0 | 224.00 | 3.2 | 0.01102 |
| Z 3480.00:00:00 | 3481.00:00:00 | 9.0 | 256.00 | 3.2 | 0.01102 |
| Z 3481.00:00:00 | 3482.00:00:00 | 9.0 | 258.00 | 3.2 | 0.01102 |
| Z 3482.00:00:00 | 3483.00:00:00 | 9.0 | 260.00 | 3.2 | 0.01102 |
| Z 3483.00:00:00 | 3484.00:00:00 | 9.0 | 262.00 | 3.2 | 0.01102 |
| Z 3484.00:00:00 | 3485.00:00:00 | 9.0 | 264.00 | 3.2 | 0.01102 |
| Z 3485.00:00:00 | 3486.00:00:00 | 9.0 | 276.00 | 3.2 | 0.01102 |
| Z 3486.00:00:00 | 3487.00:00:00 | 9.0 | 278.00 | 3.2 | 0.01102 |
| Z 3487.00:00:00 | 3488.00:00:00 | 9.0 | 280.00 | 3.2 | 0.01102 |
| Z 3488.00:00:00 | 3489.00:00:00 | 9.0 | 282.00 | 3.2 | 0.01102 |
| Z 3489.00:00:00 | 3490.00:00:00 | 9.0 | 284.00 | 3.2 | 0.01102 |
| Z 3490.00:00:00 | 3491.00:00:00 | 1.0 | 6.00   | 4.0 | 0.27553 |
| Z 3491.00:00:00 | 3492.00:00:00 | 1.0 | 8.00   | 4.0 | 0.27553 |
| Z 3492.00:00:00 | 3493.00:00:00 | 1.0 | 10.00  | 4.0 | 0.27553 |
| Z 3493.00:00:00 | 3494.00:00:00 | 1.0 | 12.00  | 4.0 | 0.27553 |
| Z 3494.00:00:00 | 3495.00:00:00 | 1.0 | 14.00  | 4.0 | 0.27553 |
| Z 3495.00:00:00 | 3496.00:00:00 | 1.0 | 16.00  | 4.0 | 0.49595 |
| Z 3496.00:00:00 | 3497.00:00:00 | 1.0 | 18.00  | 4.0 | 0.49595 |
| Z 3497.00:00:00 | 3498.00:00:00 | 1.0 | 20.00  | 4.0 | 0.49595 |
| Z 3498.00:00:00 | 3499.00:00:00 | 1.0 | 22.00  | 4.0 | 0.49595 |
| Z 3499.00:00:00 | 3500.00:00:00 | 1.0 | 24.00  | 4.0 | 0.49595 |

|   |               |               |     |        |     |         |
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| Z | 3500.00:00:00 | 3501.00:00:00 | 1.0 | 26.00  | 4.0 | 0.25349 |
| Z | 3501.00:00:00 | 3502.00:00:00 | 1.0 | 28.00  | 4.0 | 0.25349 |
| Z | 3502.00:00:00 | 3503.00:00:00 | 1.0 | 30.00  | 4.0 | 0.25349 |
| Z | 3503.00:00:00 | 3504.00:00:00 | 1.0 | 32.00  | 4.0 | 0.25349 |
| Z | 3504.00:00:00 | 3505.00:00:00 | 1.0 | 34.00  | 4.0 | 0.25349 |
| Z | 3505.00:00:00 | 3506.00:00:00 | 1.0 | 36.00  | 4.0 | 0.36370 |
| Z | 3506.00:00:00 | 3507.00:00:00 | 1.0 | 38.00  | 4.0 | 0.36370 |
| Z | 3507.00:00:00 | 3508.00:00:00 | 1.0 | 40.00  | 4.0 | 0.36370 |
| Z | 3508.00:00:00 | 3509.00:00:00 | 1.0 | 42.00  | 4.0 | 0.36370 |
| Z | 3509.00:00:00 | 3510.00:00:00 | 1.0 | 44.00  | 4.0 | 0.36370 |
| Z | 3510.00:00:00 | 3511.00:00:00 | 1.0 | 46.00  | 4.0 | 0.47391 |
| Z | 3511.00:00:00 | 3512.00:00:00 | 1.0 | 48.00  | 4.0 | 0.47391 |
| Z | 3512.00:00:00 | 3513.00:00:00 | 1.0 | 50.00  | 4.0 | 0.47391 |
| Z | 3513.00:00:00 | 3514.00:00:00 | 1.0 | 52.00  | 4.0 | 0.47391 |
| Z | 3514.00:00:00 | 3515.00:00:00 | 1.0 | 54.00  | 4.0 | 0.47391 |
| Z | 3515.00:00:00 | 3516.00:00:00 | 1.0 | 56.00  | 4.0 | 0.31962 |
| Z | 3516.00:00:00 | 3517.00:00:00 | 1.0 | 58.00  | 4.0 | 0.31962 |
| Z | 3517.00:00:00 | 3518.00:00:00 | 1.0 | 60.00  | 4.0 | 0.31962 |
| Z | 3518.00:00:00 | 3519.00:00:00 | 1.0 | 62.00  | 4.0 | 0.31962 |
| Z | 3519.00:00:00 | 3520.00:00:00 | 1.0 | 64.00  | 4.0 | 0.31962 |
| Z | 3520.00:00:00 | 3521.00:00:00 | 1.0 | 66.00  | 4.0 | 0.51800 |
| Z | 3521.00:00:00 | 3522.00:00:00 | 1.0 | 68.00  | 4.0 | 0.51800 |
| Z | 3522.00:00:00 | 3523.00:00:00 | 1.0 | 70.00  | 4.0 | 0.51800 |
| Z | 3523.00:00:00 | 3524.00:00:00 | 1.0 | 72.00  | 4.0 | 0.51800 |
| Z | 3524.00:00:00 | 3525.00:00:00 | 1.0 | 74.00  | 4.0 | 0.51800 |
| Z | 3525.00:00:00 | 3526.00:00:00 | 1.0 | 76.00  | 4.0 | 0.44085 |
| Z | 3526.00:00:00 | 3527.00:00:00 | 1.0 | 78.00  | 4.0 | 0.44085 |
| Z | 3527.00:00:00 | 3528.00:00:00 | 1.0 | 80.00  | 4.0 | 0.44085 |
| Z | 3528.00:00:00 | 3529.00:00:00 | 1.0 | 82.00  | 4.0 | 0.44085 |
| Z | 3529.00:00:00 | 3530.00:00:00 | 1.0 | 84.00  | 4.0 | 0.44085 |
| Z | 3530.00:00:00 | 3531.00:00:00 | 1.0 | 86.00  | 4.0 | 0.54004 |
| Z | 3531.00:00:00 | 3532.00:00:00 | 1.0 | 88.00  | 4.0 | 0.54004 |
| Z | 3532.00:00:00 | 3533.00:00:00 | 1.0 | 90.00  | 4.0 | 0.54004 |
| Z | 3533.00:00:00 | 3534.00:00:00 | 1.0 | 92.00  | 4.0 | 0.54004 |
| Z | 3534.00:00:00 | 3535.00:00:00 | 1.0 | 94.00  | 4.0 | 0.54004 |
| Z | 3535.00:00:00 | 3536.00:00:00 | 1.0 | 96.00  | 4.0 | 0.58412 |
| Z | 3536.00:00:00 | 3537.00:00:00 | 1.0 | 98.00  | 4.0 | 0.58412 |
| Z | 3537.00:00:00 | 3538.00:00:00 | 1.0 | 100.00 | 4.0 | 0.58412 |
| Z | 3538.00:00:00 | 3539.00:00:00 | 1.0 | 102.00 | 4.0 | 0.58412 |
| Z | 3539.00:00:00 | 3540.00:00:00 | 1.0 | 104.00 | 4.0 | 0.58412 |
| Z | 3540.00:00:00 | 3541.00:00:00 | 1.0 | 106.00 | 4.0 | 0.65025 |
| Z | 3541.00:00:00 | 3542.00:00:00 | 1.0 | 108.00 | 4.0 | 0.65025 |
| Z | 3542.00:00:00 | 3543.00:00:00 | 1.0 | 110.00 | 4.0 | 0.65025 |
| Z | 3543.00:00:00 | 3544.00:00:00 | 1.0 | 112.00 | 4.0 | 0.65025 |
| Z | 3544.00:00:00 | 3545.00:00:00 | 1.0 | 114.00 | 4.0 | 0.65025 |
| Z | 3545.00:00:00 | 3546.00:00:00 | 1.0 | 116.00 | 4.0 | 0.52902 |
| Z | 3546.00:00:00 | 3547.00:00:00 | 1.0 | 118.00 | 4.0 | 0.52902 |
| Z | 3547.00:00:00 | 3548.00:00:00 | 1.0 | 120.00 | 4.0 | 0.52902 |
| Z | 3548.00:00:00 | 3549.00:00:00 | 1.0 | 122.00 | 4.0 | 0.52902 |
| Z | 3549.00:00:00 | 3550.00:00:00 | 1.0 | 124.00 | 4.0 | 0.52902 |
| Z | 3550.00:00:00 | 3551.00:00:00 | 1.0 | 126.00 | 4.0 | 0.59515 |
| Z | 3551.00:00:00 | 3552.00:00:00 | 1.0 | 128.00 | 4.0 | 0.59515 |
| Z | 3552.00:00:00 | 3553.00:00:00 | 1.0 | 130.00 | 4.0 | 0.59515 |
| Z | 3553.00:00:00 | 3554.00:00:00 | 1.0 | 132.00 | 4.0 | 0.59515 |
| Z | 3554.00:00:00 | 3555.00:00:00 | 1.0 | 134.00 | 4.0 | 0.59515 |
| Z | 3555.00:00:00 | 3556.00:00:00 | 1.0 | 136.00 | 4.0 | 0.61719 |
| Z | 3556.00:00:00 | 3557.00:00:00 | 1.0 | 138.00 | 4.0 | 0.61719 |
| Z | 3557.00:00:00 | 3558.00:00:00 | 1.0 | 140.00 | 4.0 | 0.61719 |
| Z | 3558.00:00:00 | 3559.00:00:00 | 1.0 | 142.00 | 4.0 | 0.61719 |
| Z | 3559.00:00:00 | 3560.00:00:00 | 1.0 | 144.00 | 4.0 | 0.61719 |
| Z | 3560.00:00:00 | 3561.00:00:00 | 1.0 | 146.00 | 4.0 | 0.41881 |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 3561.00:00:00 | 3562.00:00:00 | 1.0 | 148.00 | 4.0 | 0.41881 |
| Z 3562.00:00:00 | 3563.00:00:00 | 1.0 | 150.00 | 4.0 | 0.41881 |
| Z 3563.00:00:00 | 3564.00:00:00 | 1.0 | 152.00 | 4.0 | 0.41881 |
| Z 3564.00:00:00 | 3565.00:00:00 | 1.0 | 154.00 | 4.0 | 0.41881 |
| Z 3565.00:00:00 | 3566.00:00:00 | 1.0 | 156.00 | 4.0 | 0.60617 |
| Z 3566.00:00:00 | 3567.00:00:00 | 1.0 | 158.00 | 4.0 | 0.60617 |
| Z 3567.00:00:00 | 3568.00:00:00 | 1.0 | 160.00 | 4.0 | 0.60617 |
| Z 3568.00:00:00 | 3569.00:00:00 | 1.0 | 162.00 | 4.0 | 0.60617 |
| Z 3569.00:00:00 | 3570.00:00:00 | 1.0 | 164.00 | 4.0 | 0.60617 |
| Z 3570.00:00:00 | 3571.00:00:00 | 1.0 | 166.00 | 4.0 | 0.46289 |
| Z 3571.00:00:00 | 3572.00:00:00 | 1.0 | 168.00 | 4.0 | 0.46289 |
| Z 3572.00:00:00 | 3573.00:00:00 | 1.0 | 170.00 | 4.0 | 0.46289 |
| Z 3573.00:00:00 | 3574.00:00:00 | 1.0 | 172.00 | 4.0 | 0.46289 |
| Z 3574.00:00:00 | 3575.00:00:00 | 1.0 | 174.00 | 4.0 | 0.46289 |
| Z 3575.00:00:00 | 3576.00:00:00 | 1.0 | 176.00 | 4.0 | 0.44085 |
| Z 3576.00:00:00 | 3577.00:00:00 | 1.0 | 178.00 | 4.0 | 0.44085 |
| Z 3577.00:00:00 | 3578.00:00:00 | 1.0 | 180.00 | 4.0 | 0.44085 |
| Z 3578.00:00:00 | 3579.00:00:00 | 1.0 | 182.00 | 4.0 | 0.44085 |
| Z 3579.00:00:00 | 3580.00:00:00 | 1.0 | 184.00 | 4.0 | 0.44085 |
| Z 3580.00:00:00 | 3581.00:00:00 | 1.0 | 186.00 | 4.0 | 0.33064 |
| Z 3581.00:00:00 | 3582.00:00:00 | 1.0 | 188.00 | 4.0 | 0.33064 |
| Z 3582.00:00:00 | 3583.00:00:00 | 1.0 | 190.00 | 4.0 | 0.33064 |
| Z 3583.00:00:00 | 3584.00:00:00 | 1.0 | 192.00 | 4.0 | 0.33064 |
| Z 3584.00:00:00 | 3585.00:00:00 | 1.0 | 194.00 | 4.0 | 0.33064 |
| Z 3585.00:00:00 | 3586.00:00:00 | 1.0 | 196.00 | 4.0 | 0.45187 |
| Z 3586.00:00:00 | 3587.00:00:00 | 1.0 | 198.00 | 4.0 | 0.45187 |
| Z 3587.00:00:00 | 3588.00:00:00 | 1.0 | 200.00 | 4.0 | 0.45187 |
| Z 3588.00:00:00 | 3589.00:00:00 | 1.0 | 202.00 | 4.0 | 0.45187 |
| Z 3589.00:00:00 | 3590.00:00:00 | 1.0 | 204.00 | 4.0 | 0.45187 |
| Z 3590.00:00:00 | 3591.00:00:00 | 1.0 | 206.00 | 4.0 | 0.35268 |
| Z 3591.00:00:00 | 3592.00:00:00 | 1.0 | 208.00 | 4.0 | 0.35268 |
| Z 3592.00:00:00 | 3593.00:00:00 | 1.0 | 210.00 | 4.0 | 0.35268 |
| Z 3593.00:00:00 | 3594.00:00:00 | 1.0 | 212.00 | 4.0 | 0.35268 |
| Z 3594.00:00:00 | 3595.00:00:00 | 1.0 | 214.00 | 4.0 | 0.35268 |
| Z 3595.00:00:00 | 3596.00:00:00 | 1.0 | 216.00 | 4.0 | 0.38574 |
| Z 3596.00:00:00 | 3597.00:00:00 | 1.0 | 218.00 | 4.0 | 0.38574 |
| Z 3597.00:00:00 | 3598.00:00:00 | 1.0 | 220.00 | 4.0 | 0.38574 |
| Z 3598.00:00:00 | 3599.00:00:00 | 1.0 | 222.00 | 4.0 | 0.38574 |
| Z 3599.00:00:00 | 3600.00:00:00 | 1.0 | 224.00 | 4.0 | 0.38574 |
| Z 3600.00:00:00 | 3601.00:00:00 | 1.0 | 226.00 | 4.0 | 0.31962 |
| Z 3601.00:00:00 | 3602.00:00:00 | 1.0 | 228.00 | 4.0 | 0.31962 |
| Z 3602.00:00:00 | 3603.00:00:00 | 1.0 | 230.00 | 4.0 | 0.31962 |
| Z 3603.00:00:00 | 3604.00:00:00 | 1.0 | 232.00 | 4.0 | 0.31962 |
| Z 3604.00:00:00 | 3605.00:00:00 | 1.0 | 234.00 | 4.0 | 0.31962 |
| Z 3605.00:00:00 | 3606.00:00:00 | 1.0 | 236.00 | 4.0 | 0.31962 |
| Z 3606.00:00:00 | 3607.00:00:00 | 1.0 | 238.00 | 4.0 | 0.31962 |
| Z 3607.00:00:00 | 3608.00:00:00 | 1.0 | 240.00 | 4.0 | 0.31962 |
| Z 3608.00:00:00 | 3609.00:00:00 | 1.0 | 242.00 | 4.0 | 0.31962 |
| Z 3609.00:00:00 | 3610.00:00:00 | 1.0 | 244.00 | 4.0 | 0.31962 |
| Z 3610.00:00:00 | 3611.00:00:00 | 1.0 | 246.00 | 4.0 | 0.34166 |
| Z 3611.00:00:00 | 3612.00:00:00 | 1.0 | 248.00 | 4.0 | 0.34166 |
| Z 3612.00:00:00 | 3613.00:00:00 | 1.0 | 250.00 | 4.0 | 0.34166 |
| Z 3613.00:00:00 | 3614.00:00:00 | 1.0 | 252.00 | 4.0 | 0.34166 |
| Z 3614.00:00:00 | 3615.00:00:00 | 1.0 | 254.00 | 4.0 | 0.34166 |
| Z 3615.00:00:00 | 3616.00:00:00 | 1.0 | 256.00 | 4.0 | 0.44085 |
| Z 3616.00:00:00 | 3617.00:00:00 | 1.0 | 258.00 | 4.0 | 0.44085 |
| Z 3617.00:00:00 | 3618.00:00:00 | 1.0 | 260.00 | 4.0 | 0.44085 |
| Z 3618.00:00:00 | 3619.00:00:00 | 1.0 | 262.00 | 4.0 | 0.44085 |
| Z 3619.00:00:00 | 3620.00:00:00 | 1.0 | 264.00 | 4.0 | 0.44085 |
| Z 3620.00:00:00 | 3621.00:00:00 | 1.0 | 266.00 | 4.0 | 0.36370 |
| Z 3621.00:00:00 | 3622.00:00:00 | 1.0 | 268.00 | 4.0 | 0.36370 |

|   |               |               |     |        |     |         |
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| Z | 3622.00:00:00 | 3623.00:00:00 | 1.0 | 270.00 | 4.0 | 0.36370 |
| Z | 3623.00:00:00 | 3624.00:00:00 | 1.0 | 272.00 | 4.0 | 0.36370 |
| Z | 3624.00:00:00 | 3625.00:00:00 | 1.0 | 274.00 | 4.0 | 0.36370 |
| Z | 3625.00:00:00 | 3626.00:00:00 | 1.0 | 276.00 | 4.0 | 0.37472 |
| Z | 3626.00:00:00 | 3627.00:00:00 | 1.0 | 278.00 | 4.0 | 0.37472 |
| Z | 3627.00:00:00 | 3628.00:00:00 | 1.0 | 280.00 | 4.0 | 0.37472 |
| Z | 3628.00:00:00 | 3629.00:00:00 | 1.0 | 282.00 | 4.0 | 0.37472 |
| Z | 3629.00:00:00 | 3630.00:00:00 | 1.0 | 284.00 | 4.0 | 0.37472 |
| Z | 3630.00:00:00 | 3631.00:00:00 | 1.0 | 286.00 | 4.0 | 0.47391 |
| Z | 3631.00:00:00 | 3632.00:00:00 | 1.0 | 288.00 | 4.0 | 0.47391 |
| Z | 3632.00:00:00 | 3633.00:00:00 | 1.0 | 290.00 | 4.0 | 0.47391 |
| Z | 3633.00:00:00 | 3634.00:00:00 | 1.0 | 292.00 | 4.0 | 0.47391 |
| Z | 3634.00:00:00 | 3635.00:00:00 | 1.0 | 294.00 | 4.0 | 0.47391 |
| Z | 3635.00:00:00 | 3636.00:00:00 | 1.0 | 296.00 | 4.0 | 0.42983 |
| Z | 3636.00:00:00 | 3637.00:00:00 | 1.0 | 298.00 | 4.0 | 0.42983 |
| Z | 3637.00:00:00 | 3638.00:00:00 | 1.0 | 300.00 | 4.0 | 0.42983 |
| Z | 3638.00:00:00 | 3639.00:00:00 | 1.0 | 302.00 | 4.0 | 0.42983 |
| Z | 3639.00:00:00 | 3640.00:00:00 | 1.0 | 304.00 | 4.0 | 0.42983 |
| Z | 3640.00:00:00 | 3641.00:00:00 | 1.0 | 306.00 | 4.0 | 0.28655 |
| Z | 3641.00:00:00 | 3642.00:00:00 | 1.0 | 308.00 | 4.0 | 0.28655 |
| Z | 3642.00:00:00 | 3643.00:00:00 | 1.0 | 310.00 | 4.0 | 0.28655 |
| Z | 3643.00:00:00 | 3644.00:00:00 | 1.0 | 312.00 | 4.0 | 0.28655 |
| Z | 3644.00:00:00 | 3645.00:00:00 | 1.0 | 314.00 | 4.0 | 0.28655 |
| Z | 3645.00:00:00 | 3646.00:00:00 | 1.0 | 316.00 | 4.0 | 0.42983 |
| Z | 3646.00:00:00 | 3647.00:00:00 | 1.0 | 318.00 | 4.0 | 0.42983 |
| Z | 3647.00:00:00 | 3648.00:00:00 | 1.0 | 320.00 | 4.0 | 0.42983 |
| Z | 3648.00:00:00 | 3649.00:00:00 | 1.0 | 322.00 | 4.0 | 0.42983 |
| Z | 3649.00:00:00 | 3650.00:00:00 | 1.0 | 324.00 | 4.0 | 0.42983 |
| Z | 3650.00:00:00 | 3651.00:00:00 | 1.0 | 326.00 | 4.0 | 0.52902 |
| Z | 3651.00:00:00 | 3652.00:00:00 | 1.0 | 328.00 | 4.0 | 0.52902 |
| Z | 3652.00:00:00 | 3653.00:00:00 | 1.0 | 330.00 | 4.0 | 0.52902 |
| Z | 3653.00:00:00 | 3654.00:00:00 | 1.0 | 332.00 | 4.0 | 0.52902 |
| Z | 3654.00:00:00 | 3655.00:00:00 | 1.0 | 334.00 | 4.0 | 0.52902 |
| Z | 3655.00:00:00 | 3656.00:00:00 | 1.0 | 336.00 | 4.0 | 0.33064 |
| Z | 3656.00:00:00 | 3657.00:00:00 | 1.0 | 338.00 | 4.0 | 0.33064 |
| Z | 3657.00:00:00 | 3658.00:00:00 | 1.0 | 340.00 | 4.0 | 0.33064 |
| Z | 3658.00:00:00 | 3659.00:00:00 | 1.0 | 342.00 | 4.0 | 0.33064 |
| Z | 3659.00:00:00 | 3660.00:00:00 | 1.0 | 344.00 | 4.0 | 0.33064 |
| Z | 3660.00:00:00 | 3661.00:00:00 | 1.0 | 346.00 | 4.0 | 0.44085 |
| Z | 3661.00:00:00 | 3662.00:00:00 | 1.0 | 348.00 | 4.0 | 0.44085 |
| Z | 3662.00:00:00 | 3663.00:00:00 | 1.0 | 350.00 | 4.0 | 0.44085 |
| Z | 3663.00:00:00 | 3664.00:00:00 | 1.0 | 352.00 | 4.0 | 0.44085 |
| Z | 3664.00:00:00 | 3665.00:00:00 | 1.0 | 354.00 | 4.0 | 0.44085 |
| Z | 3665.00:00:00 | 3666.00:00:00 | 1.0 | 356.00 | 4.0 | 0.35268 |
| Z | 3666.00:00:00 | 3667.00:00:00 | 1.0 | 358.00 | 4.0 | 0.35268 |
| Z | 3667.00:00:00 | 3668.00:00:00 | 1.0 | 360.00 | 4.0 | 0.35268 |
| Z | 3668.00:00:00 | 3669.00:00:00 | 1.0 | 362.00 | 4.0 | 0.35268 |
| Z | 3669.00:00:00 | 3670.00:00:00 | 1.0 | 364.00 | 4.0 | 0.35268 |
| Z | 3670.00:00:00 | 3671.00:00:00 | 1.5 | 6.00   | 4.0 | 0.14328 |
| Z | 3671.00:00:00 | 3672.00:00:00 | 1.5 | 8.00   | 4.0 | 0.14328 |
| Z | 3672.00:00:00 | 3673.00:00:00 | 1.5 | 10.00  | 4.0 | 0.14328 |
| Z | 3673.00:00:00 | 3674.00:00:00 | 1.5 | 12.00  | 4.0 | 0.14328 |
| Z | 3674.00:00:00 | 3675.00:00:00 | 1.5 | 14.00  | 4.0 | 0.14328 |
| Z | 3675.00:00:00 | 3676.00:00:00 | 1.5 | 16.00  | 4.0 | 0.11021 |
| Z | 3676.00:00:00 | 3677.00:00:00 | 1.5 | 18.00  | 4.0 | 0.11021 |
| Z | 3677.00:00:00 | 3678.00:00:00 | 1.5 | 20.00  | 4.0 | 0.11021 |
| Z | 3678.00:00:00 | 3679.00:00:00 | 1.5 | 22.00  | 4.0 | 0.11021 |
| Z | 3679.00:00:00 | 3680.00:00:00 | 1.5 | 24.00  | 4.0 | 0.11021 |
| Z | 3680.00:00:00 | 3681.00:00:00 | 1.5 | 26.00  | 4.0 | 0.12123 |
| Z | 3681.00:00:00 | 3682.00:00:00 | 1.5 | 28.00  | 4.0 | 0.12123 |
| Z | 3682.00:00:00 | 3683.00:00:00 | 1.5 | 30.00  | 4.0 | 0.12123 |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 3683.00:00:00 | 3684.00:00:00 | 1.5 | 32.00  | 4.0 | 0.12123 |
| Z 3684.00:00:00 | 3685.00:00:00 | 1.5 | 34.00  | 4.0 | 0.12123 |
| Z 3685.00:00:00 | 3686.00:00:00 | 1.5 | 36.00  | 4.0 | 0.12123 |
| Z 3686.00:00:00 | 3687.00:00:00 | 1.5 | 38.00  | 4.0 | 0.12123 |
| Z 3687.00:00:00 | 3688.00:00:00 | 1.5 | 40.00  | 4.0 | 0.12123 |
| Z 3688.00:00:00 | 3689.00:00:00 | 1.5 | 42.00  | 4.0 | 0.12123 |
| Z 3689.00:00:00 | 3690.00:00:00 | 1.5 | 44.00  | 4.0 | 0.12123 |
| Z 3690.00:00:00 | 3691.00:00:00 | 1.5 | 46.00  | 4.0 | 0.14328 |
| Z 3691.00:00:00 | 3692.00:00:00 | 1.5 | 48.00  | 4.0 | 0.14328 |
| Z 3692.00:00:00 | 3693.00:00:00 | 1.5 | 50.00  | 4.0 | 0.14328 |
| Z 3693.00:00:00 | 3694.00:00:00 | 1.5 | 52.00  | 4.0 | 0.14328 |
| Z 3694.00:00:00 | 3695.00:00:00 | 1.5 | 54.00  | 4.0 | 0.14328 |
| Z 3695.00:00:00 | 3696.00:00:00 | 1.5 | 56.00  | 4.0 | 0.18736 |
| Z 3696.00:00:00 | 3697.00:00:00 | 1.5 | 58.00  | 4.0 | 0.18736 |
| Z 3697.00:00:00 | 3698.00:00:00 | 1.5 | 60.00  | 4.0 | 0.18736 |
| Z 3698.00:00:00 | 3699.00:00:00 | 1.5 | 62.00  | 4.0 | 0.18736 |
| Z 3699.00:00:00 | 3700.00:00:00 | 1.5 | 64.00  | 4.0 | 0.18736 |
| Z 3700.00:00:00 | 3701.00:00:00 | 1.5 | 66.00  | 4.0 | 0.25349 |
| Z 3701.00:00:00 | 3702.00:00:00 | 1.5 | 68.00  | 4.0 | 0.25349 |
| Z 3702.00:00:00 | 3703.00:00:00 | 1.5 | 70.00  | 4.0 | 0.25349 |
| Z 3703.00:00:00 | 3704.00:00:00 | 1.5 | 72.00  | 4.0 | 0.25349 |
| Z 3704.00:00:00 | 3705.00:00:00 | 1.5 | 74.00  | 4.0 | 0.25349 |
| Z 3705.00:00:00 | 3706.00:00:00 | 1.5 | 76.00  | 4.0 | 0.17634 |
| Z 3706.00:00:00 | 3707.00:00:00 | 1.5 | 78.00  | 4.0 | 0.17634 |
| Z 3707.00:00:00 | 3708.00:00:00 | 1.5 | 80.00  | 4.0 | 0.17634 |
| Z 3708.00:00:00 | 3709.00:00:00 | 1.5 | 82.00  | 4.0 | 0.17634 |
| Z 3709.00:00:00 | 3710.00:00:00 | 1.5 | 84.00  | 4.0 | 0.17634 |
| Z 3710.00:00:00 | 3711.00:00:00 | 1.5 | 86.00  | 4.0 | 0.25349 |
| Z 3711.00:00:00 | 3712.00:00:00 | 1.5 | 88.00  | 4.0 | 0.25349 |
| Z 3712.00:00:00 | 3713.00:00:00 | 1.5 | 90.00  | 4.0 | 0.25349 |
| Z 3713.00:00:00 | 3714.00:00:00 | 1.5 | 92.00  | 4.0 | 0.25349 |
| Z 3714.00:00:00 | 3715.00:00:00 | 1.5 | 94.00  | 4.0 | 0.25349 |
| Z 3715.00:00:00 | 3716.00:00:00 | 1.5 | 96.00  | 4.0 | 0.12123 |
| Z 3716.00:00:00 | 3717.00:00:00 | 1.5 | 98.00  | 4.0 | 0.12123 |
| Z 3717.00:00:00 | 3718.00:00:00 | 1.5 | 100.00 | 4.0 | 0.12123 |
| Z 3718.00:00:00 | 3719.00:00:00 | 1.5 | 102.00 | 4.0 | 0.12123 |
| Z 3719.00:00:00 | 3720.00:00:00 | 1.5 | 104.00 | 4.0 | 0.12123 |
| Z 3720.00:00:00 | 3721.00:00:00 | 1.5 | 106.00 | 4.0 | 0.24247 |
| Z 3721.00:00:00 | 3722.00:00:00 | 1.5 | 108.00 | 4.0 | 0.24247 |
| Z 3722.00:00:00 | 3723.00:00:00 | 1.5 | 110.00 | 4.0 | 0.24247 |
| Z 3723.00:00:00 | 3724.00:00:00 | 1.5 | 112.00 | 4.0 | 0.24247 |
| Z 3724.00:00:00 | 3725.00:00:00 | 1.5 | 114.00 | 4.0 | 0.24247 |
| Z 3725.00:00:00 | 3726.00:00:00 | 1.5 | 116.00 | 4.0 | 0.29757 |
| Z 3726.00:00:00 | 3727.00:00:00 | 1.5 | 118.00 | 4.0 | 0.29757 |
| Z 3727.00:00:00 | 3728.00:00:00 | 1.5 | 120.00 | 4.0 | 0.29757 |
| Z 3728.00:00:00 | 3729.00:00:00 | 1.5 | 122.00 | 4.0 | 0.29757 |
| Z 3729.00:00:00 | 3730.00:00:00 | 1.5 | 124.00 | 4.0 | 0.29757 |
| Z 3730.00:00:00 | 3731.00:00:00 | 1.5 | 126.00 | 4.0 | 0.18736 |
| Z 3731.00:00:00 | 3732.00:00:00 | 1.5 | 128.00 | 4.0 | 0.18736 |
| Z 3732.00:00:00 | 3733.00:00:00 | 1.5 | 130.00 | 4.0 | 0.18736 |
| Z 3733.00:00:00 | 3734.00:00:00 | 1.5 | 132.00 | 4.0 | 0.18736 |
| Z 3734.00:00:00 | 3735.00:00:00 | 1.5 | 134.00 | 4.0 | 0.18736 |
| Z 3735.00:00:00 | 3736.00:00:00 | 1.5 | 136.00 | 4.0 | 0.07715 |
| Z 3736.00:00:00 | 3737.00:00:00 | 1.5 | 138.00 | 4.0 | 0.07715 |
| Z 3737.00:00:00 | 3738.00:00:00 | 1.5 | 140.00 | 4.0 | 0.07715 |
| Z 3738.00:00:00 | 3739.00:00:00 | 1.5 | 142.00 | 4.0 | 0.07715 |
| Z 3739.00:00:00 | 3740.00:00:00 | 1.5 | 144.00 | 4.0 | 0.07715 |
| Z 3740.00:00:00 | 3741.00:00:00 | 1.5 | 146.00 | 4.0 | 0.19838 |
| Z 3741.00:00:00 | 3742.00:00:00 | 1.5 | 148.00 | 4.0 | 0.19838 |
| Z 3742.00:00:00 | 3743.00:00:00 | 1.5 | 150.00 | 4.0 | 0.19838 |
| Z 3743.00:00:00 | 3744.00:00:00 | 1.5 | 152.00 | 4.0 | 0.19838 |

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| Z 3744.00:00:00 | 3745.00:00:00 | 1.5 | 154.00 | 4.0 | 0.19838 |
| Z 3745.00:00:00 | 3746.00:00:00 | 1.5 | 156.00 | 4.0 | 0.15430 |
| Z 3746.00:00:00 | 3747.00:00:00 | 1.5 | 158.00 | 4.0 | 0.15430 |
| Z 3747.00:00:00 | 3748.00:00:00 | 1.5 | 160.00 | 4.0 | 0.15430 |
| Z 3748.00:00:00 | 3749.00:00:00 | 1.5 | 162.00 | 4.0 | 0.15430 |
| Z 3749.00:00:00 | 3750.00:00:00 | 1.5 | 164.00 | 4.0 | 0.15430 |
| Z 3750.00:00:00 | 3751.00:00:00 | 1.5 | 166.00 | 4.0 | 0.06613 |
| Z 3751.00:00:00 | 3752.00:00:00 | 1.5 | 168.00 | 4.0 | 0.06613 |
| Z 3752.00:00:00 | 3753.00:00:00 | 1.5 | 170.00 | 4.0 | 0.06613 |
| Z 3753.00:00:00 | 3754.00:00:00 | 1.5 | 172.00 | 4.0 | 0.06613 |
| Z 3754.00:00:00 | 3755.00:00:00 | 1.5 | 174.00 | 4.0 | 0.06613 |
| Z 3755.00:00:00 | 3756.00:00:00 | 1.5 | 176.00 | 4.0 | 0.08817 |
| Z 3756.00:00:00 | 3757.00:00:00 | 1.5 | 178.00 | 4.0 | 0.08817 |
| Z 3757.00:00:00 | 3758.00:00:00 | 1.5 | 180.00 | 4.0 | 0.08817 |
| Z 3758.00:00:00 | 3759.00:00:00 | 1.5 | 182.00 | 4.0 | 0.08817 |
| Z 3759.00:00:00 | 3760.00:00:00 | 1.5 | 184.00 | 4.0 | 0.08817 |
| Z 3760.00:00:00 | 3761.00:00:00 | 1.5 | 186.00 | 4.0 | 0.09919 |
| Z 3761.00:00:00 | 3762.00:00:00 | 1.5 | 188.00 | 4.0 | 0.09919 |
| Z 3762.00:00:00 | 3763.00:00:00 | 1.5 | 190.00 | 4.0 | 0.09919 |
| Z 3763.00:00:00 | 3764.00:00:00 | 1.5 | 192.00 | 4.0 | 0.09919 |
| Z 3764.00:00:00 | 3765.00:00:00 | 1.5 | 194.00 | 4.0 | 0.09919 |
| Z 3765.00:00:00 | 3766.00:00:00 | 1.5 | 196.00 | 4.0 | 0.09919 |
| Z 3766.00:00:00 | 3767.00:00:00 | 1.5 | 198.00 | 4.0 | 0.09919 |
| Z 3767.00:00:00 | 3768.00:00:00 | 1.5 | 200.00 | 4.0 | 0.09919 |
| Z 3768.00:00:00 | 3769.00:00:00 | 1.5 | 202.00 | 4.0 | 0.09919 |
| Z 3769.00:00:00 | 3770.00:00:00 | 1.5 | 204.00 | 4.0 | 0.09919 |
| Z 3770.00:00:00 | 3771.00:00:00 | 1.5 | 206.00 | 4.0 | 0.03306 |
| Z 3771.00:00:00 | 3772.00:00:00 | 1.5 | 208.00 | 4.0 | 0.03306 |
| Z 3772.00:00:00 | 3773.00:00:00 | 1.5 | 210.00 | 4.0 | 0.03306 |
| Z 3773.00:00:00 | 3774.00:00:00 | 1.5 | 212.00 | 4.0 | 0.03306 |
| Z 3774.00:00:00 | 3775.00:00:00 | 1.5 | 214.00 | 4.0 | 0.03306 |
| Z 3775.00:00:00 | 3776.00:00:00 | 1.5 | 216.00 | 4.0 | 0.03306 |
| Z 3776.00:00:00 | 3777.00:00:00 | 1.5 | 218.00 | 4.0 | 0.03306 |
| Z 3777.00:00:00 | 3778.00:00:00 | 1.5 | 220.00 | 4.0 | 0.03306 |
| Z 3778.00:00:00 | 3779.00:00:00 | 1.5 | 222.00 | 4.0 | 0.03306 |
| Z 3779.00:00:00 | 3780.00:00:00 | 1.5 | 224.00 | 4.0 | 0.03306 |
| Z 3780.00:00:00 | 3781.00:00:00 | 1.5 | 226.00 | 4.0 | 0.11021 |
| Z 3781.00:00:00 | 3782.00:00:00 | 1.5 | 228.00 | 4.0 | 0.11021 |
| Z 3782.00:00:00 | 3783.00:00:00 | 1.5 | 230.00 | 4.0 | 0.11021 |
| Z 3783.00:00:00 | 3784.00:00:00 | 1.5 | 232.00 | 4.0 | 0.11021 |
| Z 3784.00:00:00 | 3785.00:00:00 | 1.5 | 234.00 | 4.0 | 0.11021 |
| Z 3785.00:00:00 | 3786.00:00:00 | 1.5 | 236.00 | 4.0 | 0.08817 |
| Z 3786.00:00:00 | 3787.00:00:00 | 1.5 | 238.00 | 4.0 | 0.08817 |
| Z 3787.00:00:00 | 3788.00:00:00 | 1.5 | 240.00 | 4.0 | 0.08817 |
| Z 3788.00:00:00 | 3789.00:00:00 | 1.5 | 242.00 | 4.0 | 0.08817 |
| Z 3789.00:00:00 | 3790.00:00:00 | 1.5 | 244.00 | 4.0 | 0.08817 |
| Z 3790.00:00:00 | 3791.00:00:00 | 1.5 | 246.00 | 4.0 | 0.12123 |
| Z 3791.00:00:00 | 3792.00:00:00 | 1.5 | 248.00 | 4.0 | 0.12123 |
| Z 3792.00:00:00 | 3793.00:00:00 | 1.5 | 250.00 | 4.0 | 0.12123 |
| Z 3793.00:00:00 | 3794.00:00:00 | 1.5 | 252.00 | 4.0 | 0.12123 |
| Z 3794.00:00:00 | 3795.00:00:00 | 1.5 | 254.00 | 4.0 | 0.12123 |
| Z 3795.00:00:00 | 3796.00:00:00 | 1.5 | 256.00 | 4.0 | 0.12123 |
| Z 3796.00:00:00 | 3797.00:00:00 | 1.5 | 258.00 | 4.0 | 0.12123 |
| Z 3797.00:00:00 | 3798.00:00:00 | 1.5 | 260.00 | 4.0 | 0.12123 |
| Z 3798.00:00:00 | 3799.00:00:00 | 1.5 | 262.00 | 4.0 | 0.12123 |
| Z 3799.00:00:00 | 3800.00:00:00 | 1.5 | 264.00 | 4.0 | 0.12123 |
| Z 3800.00:00:00 | 3801.00:00:00 | 1.5 | 266.00 | 4.0 | 0.09919 |
| Z 3801.00:00:00 | 3802.00:00:00 | 1.5 | 268.00 | 4.0 | 0.09919 |
| Z 3802.00:00:00 | 3803.00:00:00 | 1.5 | 270.00 | 4.0 | 0.09919 |
| Z 3803.00:00:00 | 3804.00:00:00 | 1.5 | 272.00 | 4.0 | 0.09919 |
| Z 3804.00:00:00 | 3805.00:00:00 | 1.5 | 274.00 | 4.0 | 0.09919 |

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| Z 3805.00:00:00 | 3806.00:00:00 | 1.5 | 276.00 | 4.0 | 0.17634 |
| Z 3806.00:00:00 | 3807.00:00:00 | 1.5 | 278.00 | 4.0 | 0.17634 |
| Z 3807.00:00:00 | 3808.00:00:00 | 1.5 | 280.00 | 4.0 | 0.17634 |
| Z 3808.00:00:00 | 3809.00:00:00 | 1.5 | 282.00 | 4.0 | 0.17634 |
| Z 3809.00:00:00 | 3810.00:00:00 | 1.5 | 284.00 | 4.0 | 0.17634 |
| Z 3810.00:00:00 | 3811.00:00:00 | 1.5 | 286.00 | 4.0 | 0.18736 |
| Z 3811.00:00:00 | 3812.00:00:00 | 1.5 | 288.00 | 4.0 | 0.18736 |
| Z 3812.00:00:00 | 3813.00:00:00 | 1.5 | 290.00 | 4.0 | 0.18736 |
| Z 3813.00:00:00 | 3814.00:00:00 | 1.5 | 292.00 | 4.0 | 0.18736 |
| Z 3814.00:00:00 | 3815.00:00:00 | 1.5 | 294.00 | 4.0 | 0.18736 |
| Z 3815.00:00:00 | 3816.00:00:00 | 1.5 | 296.00 | 4.0 | 0.20940 |
| Z 3816.00:00:00 | 3817.00:00:00 | 1.5 | 298.00 | 4.0 | 0.20940 |
| Z 3817.00:00:00 | 3818.00:00:00 | 1.5 | 300.00 | 4.0 | 0.20940 |
| Z 3818.00:00:00 | 3819.00:00:00 | 1.5 | 302.00 | 4.0 | 0.20940 |
| Z 3819.00:00:00 | 3820.00:00:00 | 1.5 | 304.00 | 4.0 | 0.20940 |
| Z 3820.00:00:00 | 3821.00:00:00 | 1.5 | 306.00 | 4.0 | 0.18736 |
| Z 3821.00:00:00 | 3822.00:00:00 | 1.5 | 308.00 | 4.0 | 0.18736 |
| Z 3822.00:00:00 | 3823.00:00:00 | 1.5 | 310.00 | 4.0 | 0.18736 |
| Z 3823.00:00:00 | 3824.00:00:00 | 1.5 | 312.00 | 4.0 | 0.18736 |
| Z 3824.00:00:00 | 3825.00:00:00 | 1.5 | 314.00 | 4.0 | 0.18736 |
| Z 3825.00:00:00 | 3826.00:00:00 | 1.5 | 316.00 | 4.0 | 0.19838 |
| Z 3826.00:00:00 | 3827.00:00:00 | 1.5 | 318.00 | 4.0 | 0.19838 |
| Z 3827.00:00:00 | 3828.00:00:00 | 1.5 | 320.00 | 4.0 | 0.19838 |
| Z 3828.00:00:00 | 3829.00:00:00 | 1.5 | 322.00 | 4.0 | 0.19838 |
| Z 3829.00:00:00 | 3830.00:00:00 | 1.5 | 324.00 | 4.0 | 0.19838 |
| Z 3830.00:00:00 | 3831.00:00:00 | 1.5 | 326.00 | 4.0 | 0.19838 |
| Z 3831.00:00:00 | 3832.00:00:00 | 1.5 | 328.00 | 4.0 | 0.19838 |
| Z 3832.00:00:00 | 3833.00:00:00 | 1.5 | 330.00 | 4.0 | 0.19838 |
| Z 3833.00:00:00 | 3834.00:00:00 | 1.5 | 332.00 | 4.0 | 0.19838 |
| Z 3834.00:00:00 | 3835.00:00:00 | 1.5 | 334.00 | 4.0 | 0.19838 |
| Z 3835.00:00:00 | 3836.00:00:00 | 1.5 | 336.00 | 4.0 | 0.11021 |
| Z 3836.00:00:00 | 3837.00:00:00 | 1.5 | 338.00 | 4.0 | 0.11021 |
| Z 3837.00:00:00 | 3838.00:00:00 | 1.5 | 340.00 | 4.0 | 0.11021 |
| Z 3838.00:00:00 | 3839.00:00:00 | 1.5 | 342.00 | 4.0 | 0.11021 |
| Z 3839.00:00:00 | 3840.00:00:00 | 1.5 | 344.00 | 4.0 | 0.11021 |
| Z 3840.00:00:00 | 3841.00:00:00 | 1.5 | 346.00 | 4.0 | 0.09919 |
| Z 3841.00:00:00 | 3842.00:00:00 | 1.5 | 348.00 | 4.0 | 0.09919 |
| Z 3842.00:00:00 | 3843.00:00:00 | 1.5 | 350.00 | 4.0 | 0.09919 |
| Z 3843.00:00:00 | 3844.00:00:00 | 1.5 | 352.00 | 4.0 | 0.09919 |
| Z 3844.00:00:00 | 3845.00:00:00 | 1.5 | 354.00 | 4.0 | 0.09919 |
| Z 3845.00:00:00 | 3846.00:00:00 | 1.5 | 356.00 | 4.0 | 0.09919 |
| Z 3846.00:00:00 | 3847.00:00:00 | 1.5 | 358.00 | 4.0 | 0.09919 |
| Z 3847.00:00:00 | 3848.00:00:00 | 1.5 | 360.00 | 4.0 | 0.09919 |
| Z 3848.00:00:00 | 3849.00:00:00 | 1.5 | 362.00 | 4.0 | 0.09919 |
| Z 3849.00:00:00 | 3850.00:00:00 | 1.5 | 364.00 | 4.0 | 0.09919 |
| Z 3850.00:00:00 | 3851.00:00:00 | 2.0 | 6.00   | 4.0 | 0.05511 |
| Z 3851.00:00:00 | 3852.00:00:00 | 2.0 | 8.00   | 4.0 | 0.05511 |
| Z 3852.00:00:00 | 3853.00:00:00 | 2.0 | 10.00  | 4.0 | 0.05511 |
| Z 3853.00:00:00 | 3854.00:00:00 | 2.0 | 12.00  | 4.0 | 0.05511 |
| Z 3854.00:00:00 | 3855.00:00:00 | 2.0 | 14.00  | 4.0 | 0.05511 |
| Z 3855.00:00:00 | 3856.00:00:00 | 2.0 | 16.00  | 4.0 | 0.12123 |
| Z 3856.00:00:00 | 3857.00:00:00 | 2.0 | 18.00  | 4.0 | 0.12123 |
| Z 3857.00:00:00 | 3858.00:00:00 | 2.0 | 20.00  | 4.0 | 0.12123 |
| Z 3858.00:00:00 | 3859.00:00:00 | 2.0 | 22.00  | 4.0 | 0.12123 |
| Z 3859.00:00:00 | 3860.00:00:00 | 2.0 | 24.00  | 4.0 | 0.12123 |
| Z 3860.00:00:00 | 3861.00:00:00 | 2.0 | 26.00  | 4.0 | 0.15430 |
| Z 3861.00:00:00 | 3862.00:00:00 | 2.0 | 28.00  | 4.0 | 0.15430 |
| Z 3862.00:00:00 | 3863.00:00:00 | 2.0 | 30.00  | 4.0 | 0.15430 |
| Z 3863.00:00:00 | 3864.00:00:00 | 2.0 | 32.00  | 4.0 | 0.15430 |
| Z 3864.00:00:00 | 3865.00:00:00 | 2.0 | 34.00  | 4.0 | 0.15430 |
| Z 3865.00:00:00 | 3866.00:00:00 | 2.0 | 36.00  | 4.0 | 0.23145 |

|                 |               |     |        |     |         |
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| Z 3866.00:00:00 | 3867.00:00:00 | 2.0 | 38.00  | 4.0 | 0.23145 |
| Z 3867.00:00:00 | 3868.00:00:00 | 2.0 | 40.00  | 4.0 | 0.23145 |
| Z 3868.00:00:00 | 3869.00:00:00 | 2.0 | 42.00  | 4.0 | 0.23145 |
| Z 3869.00:00:00 | 3870.00:00:00 | 2.0 | 44.00  | 4.0 | 0.23145 |
| Z 3870.00:00:00 | 3871.00:00:00 | 2.0 | 46.00  | 4.0 | 0.28655 |
| Z 3871.00:00:00 | 3872.00:00:00 | 2.0 | 48.00  | 4.0 | 0.28655 |
| Z 3872.00:00:00 | 3873.00:00:00 | 2.0 | 50.00  | 4.0 | 0.28655 |
| Z 3873.00:00:00 | 3874.00:00:00 | 2.0 | 52.00  | 4.0 | 0.28655 |
| Z 3874.00:00:00 | 3875.00:00:00 | 2.0 | 54.00  | 4.0 | 0.28655 |
| Z 3875.00:00:00 | 3876.00:00:00 | 2.0 | 56.00  | 4.0 | 0.29757 |
| Z 3876.00:00:00 | 3877.00:00:00 | 2.0 | 58.00  | 4.0 | 0.29757 |
| Z 3877.00:00:00 | 3878.00:00:00 | 2.0 | 60.00  | 4.0 | 0.29757 |
| Z 3878.00:00:00 | 3879.00:00:00 | 2.0 | 62.00  | 4.0 | 0.29757 |
| Z 3879.00:00:00 | 3880.00:00:00 | 2.0 | 64.00  | 4.0 | 0.29757 |
| Z 3880.00:00:00 | 3881.00:00:00 | 2.0 | 66.00  | 4.0 | 0.37472 |
| Z 3881.00:00:00 | 3882.00:00:00 | 2.0 | 68.00  | 4.0 | 0.37472 |
| Z 3882.00:00:00 | 3883.00:00:00 | 2.0 | 70.00  | 4.0 | 0.37472 |
| Z 3883.00:00:00 | 3884.00:00:00 | 2.0 | 72.00  | 4.0 | 0.37472 |
| Z 3884.00:00:00 | 3885.00:00:00 | 2.0 | 74.00  | 4.0 | 0.37472 |
| Z 3885.00:00:00 | 3886.00:00:00 | 2.0 | 76.00  | 4.0 | 0.37472 |
| Z 3886.00:00:00 | 3887.00:00:00 | 2.0 | 78.00  | 4.0 | 0.37472 |
| Z 3887.00:00:00 | 3888.00:00:00 | 2.0 | 80.00  | 4.0 | 0.37472 |
| Z 3888.00:00:00 | 3889.00:00:00 | 2.0 | 82.00  | 4.0 | 0.37472 |
| Z 3889.00:00:00 | 3890.00:00:00 | 2.0 | 84.00  | 4.0 | 0.37472 |
| Z 3890.00:00:00 | 3891.00:00:00 | 2.0 | 86.00  | 4.0 | 0.25349 |
| Z 3891.00:00:00 | 3892.00:00:00 | 2.0 | 88.00  | 4.0 | 0.25349 |
| Z 3892.00:00:00 | 3893.00:00:00 | 2.0 | 90.00  | 4.0 | 0.25349 |
| Z 3893.00:00:00 | 3894.00:00:00 | 2.0 | 92.00  | 4.0 | 0.25349 |
| Z 3894.00:00:00 | 3895.00:00:00 | 2.0 | 94.00  | 4.0 | 0.25349 |
| Z 3895.00:00:00 | 3896.00:00:00 | 2.0 | 96.00  | 4.0 | 0.07715 |
| Z 3896.00:00:00 | 3897.00:00:00 | 2.0 | 98.00  | 4.0 | 0.07715 |
| Z 3897.00:00:00 | 3898.00:00:00 | 2.0 | 100.00 | 4.0 | 0.07715 |
| Z 3898.00:00:00 | 3899.00:00:00 | 2.0 | 102.00 | 4.0 | 0.07715 |
| Z 3899.00:00:00 | 3900.00:00:00 | 2.0 | 104.00 | 4.0 | 0.07715 |
| Z 3900.00:00:00 | 3901.00:00:00 | 2.0 | 106.00 | 4.0 | 0.26451 |
| Z 3901.00:00:00 | 3902.00:00:00 | 2.0 | 108.00 | 4.0 | 0.26451 |
| Z 3902.00:00:00 | 3903.00:00:00 | 2.0 | 110.00 | 4.0 | 0.26451 |
| Z 3903.00:00:00 | 3904.00:00:00 | 2.0 | 112.00 | 4.0 | 0.26451 |
| Z 3904.00:00:00 | 3905.00:00:00 | 2.0 | 114.00 | 4.0 | 0.26451 |
| Z 3905.00:00:00 | 3906.00:00:00 | 2.0 | 116.00 | 4.0 | 0.17634 |
| Z 3906.00:00:00 | 3907.00:00:00 | 2.0 | 118.00 | 4.0 | 0.17634 |
| Z 3907.00:00:00 | 3908.00:00:00 | 2.0 | 120.00 | 4.0 | 0.17634 |
| Z 3908.00:00:00 | 3909.00:00:00 | 2.0 | 122.00 | 4.0 | 0.17634 |
| Z 3909.00:00:00 | 3910.00:00:00 | 2.0 | 124.00 | 4.0 | 0.17634 |
| Z 3910.00:00:00 | 3911.00:00:00 | 2.0 | 126.00 | 4.0 | 0.23145 |
| Z 3911.00:00:00 | 3912.00:00:00 | 2.0 | 128.00 | 4.0 | 0.23145 |
| Z 3912.00:00:00 | 3913.00:00:00 | 2.0 | 130.00 | 4.0 | 0.23145 |
| Z 3913.00:00:00 | 3914.00:00:00 | 2.0 | 132.00 | 4.0 | 0.23145 |
| Z 3914.00:00:00 | 3915.00:00:00 | 2.0 | 134.00 | 4.0 | 0.23145 |
| Z 3915.00:00:00 | 3916.00:00:00 | 2.0 | 136.00 | 4.0 | 0.25349 |
| Z 3916.00:00:00 | 3917.00:00:00 | 2.0 | 138.00 | 4.0 | 0.25349 |
| Z 3917.00:00:00 | 3918.00:00:00 | 2.0 | 140.00 | 4.0 | 0.25349 |
| Z 3918.00:00:00 | 3919.00:00:00 | 2.0 | 142.00 | 4.0 | 0.25349 |
| Z 3919.00:00:00 | 3920.00:00:00 | 2.0 | 144.00 | 4.0 | 0.25349 |
| Z 3920.00:00:00 | 3921.00:00:00 | 2.0 | 146.00 | 4.0 | 0.16532 |
| Z 3921.00:00:00 | 3922.00:00:00 | 2.0 | 148.00 | 4.0 | 0.16532 |
| Z 3922.00:00:00 | 3923.00:00:00 | 2.0 | 150.00 | 4.0 | 0.16532 |
| Z 3923.00:00:00 | 3924.00:00:00 | 2.0 | 152.00 | 4.0 | 0.16532 |
| Z 3924.00:00:00 | 3925.00:00:00 | 2.0 | 154.00 | 4.0 | 0.16532 |
| Z 3925.00:00:00 | 3926.00:00:00 | 2.0 | 156.00 | 4.0 | 0.29757 |
| Z 3926.00:00:00 | 3927.00:00:00 | 2.0 | 158.00 | 4.0 | 0.29757 |

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| Z 3927.00:00:00 | 3928.00:00:00 | 2.0 | 160.00 | 4.0 | 0.29757 |
| Z 3928.00:00:00 | 3929.00:00:00 | 2.0 | 162.00 | 4.0 | 0.29757 |
| Z 3929.00:00:00 | 3930.00:00:00 | 2.0 | 164.00 | 4.0 | 0.29757 |
| Z 3930.00:00:00 | 3931.00:00:00 | 2.0 | 166.00 | 4.0 | 0.16532 |
| Z 3931.00:00:00 | 3932.00:00:00 | 2.0 | 168.00 | 4.0 | 0.16532 |
| Z 3932.00:00:00 | 3933.00:00:00 | 2.0 | 170.00 | 4.0 | 0.16532 |
| Z 3933.00:00:00 | 3934.00:00:00 | 2.0 | 172.00 | 4.0 | 0.16532 |
| Z 3934.00:00:00 | 3935.00:00:00 | 2.0 | 174.00 | 4.0 | 0.16532 |
| Z 3935.00:00:00 | 3936.00:00:00 | 2.0 | 176.00 | 4.0 | 0.12123 |
| Z 3936.00:00:00 | 3937.00:00:00 | 2.0 | 178.00 | 4.0 | 0.12123 |
| Z 3937.00:00:00 | 3938.00:00:00 | 2.0 | 180.00 | 4.0 | 0.12123 |
| Z 3938.00:00:00 | 3939.00:00:00 | 2.0 | 182.00 | 4.0 | 0.12123 |
| Z 3939.00:00:00 | 3940.00:00:00 | 2.0 | 184.00 | 4.0 | 0.12123 |
| Z 3940.00:00:00 | 3941.00:00:00 | 2.0 | 186.00 | 4.0 | 0.14328 |
| Z 3941.00:00:00 | 3942.00:00:00 | 2.0 | 188.00 | 4.0 | 0.14328 |
| Z 3942.00:00:00 | 3943.00:00:00 | 2.0 | 190.00 | 4.0 | 0.14328 |
| Z 3943.00:00:00 | 3944.00:00:00 | 2.0 | 192.00 | 4.0 | 0.14328 |
| Z 3944.00:00:00 | 3945.00:00:00 | 2.0 | 194.00 | 4.0 | 0.14328 |
| Z 3945.00:00:00 | 3946.00:00:00 | 2.0 | 196.00 | 4.0 | 0.08817 |
| Z 3946.00:00:00 | 3947.00:00:00 | 2.0 | 198.00 | 4.0 | 0.08817 |
| Z 3947.00:00:00 | 3948.00:00:00 | 2.0 | 200.00 | 4.0 | 0.08817 |
| Z 3948.00:00:00 | 3949.00:00:00 | 2.0 | 202.00 | 4.0 | 0.08817 |
| Z 3949.00:00:00 | 3950.00:00:00 | 2.0 | 204.00 | 4.0 | 0.08817 |
| Z 3950.00:00:00 | 3951.00:00:00 | 2.0 | 206.00 | 4.0 | 0.14328 |
| Z 3951.00:00:00 | 3952.00:00:00 | 2.0 | 208.00 | 4.0 | 0.14328 |
| Z 3952.00:00:00 | 3953.00:00:00 | 2.0 | 210.00 | 4.0 | 0.14328 |
| Z 3953.00:00:00 | 3954.00:00:00 | 2.0 | 212.00 | 4.0 | 0.14328 |
| Z 3954.00:00:00 | 3955.00:00:00 | 2.0 | 214.00 | 4.0 | 0.14328 |
| Z 3955.00:00:00 | 3956.00:00:00 | 2.0 | 216.00 | 4.0 | 0.11021 |
| Z 3956.00:00:00 | 3957.00:00:00 | 2.0 | 218.00 | 4.0 | 0.11021 |
| Z 3957.00:00:00 | 3958.00:00:00 | 2.0 | 220.00 | 4.0 | 0.11021 |
| Z 3958.00:00:00 | 3959.00:00:00 | 2.0 | 222.00 | 4.0 | 0.11021 |
| Z 3959.00:00:00 | 3960.00:00:00 | 2.0 | 224.00 | 4.0 | 0.11021 |
| Z 3960.00:00:00 | 3961.00:00:00 | 2.0 | 226.00 | 4.0 | 0.08817 |
| Z 3961.00:00:00 | 3962.00:00:00 | 2.0 | 228.00 | 4.0 | 0.08817 |
| Z 3962.00:00:00 | 3963.00:00:00 | 2.0 | 230.00 | 4.0 | 0.08817 |
| Z 3963.00:00:00 | 3964.00:00:00 | 2.0 | 232.00 | 4.0 | 0.08817 |
| Z 3964.00:00:00 | 3965.00:00:00 | 2.0 | 234.00 | 4.0 | 0.08817 |
| Z 3965.00:00:00 | 3966.00:00:00 | 2.0 | 236.00 | 4.0 | 0.08817 |
| Z 3966.00:00:00 | 3967.00:00:00 | 2.0 | 238.00 | 4.0 | 0.08817 |
| Z 3967.00:00:00 | 3968.00:00:00 | 2.0 | 240.00 | 4.0 | 0.08817 |
| Z 3968.00:00:00 | 3969.00:00:00 | 2.0 | 242.00 | 4.0 | 0.08817 |
| Z 3969.00:00:00 | 3970.00:00:00 | 2.0 | 244.00 | 4.0 | 0.08817 |
| Z 3970.00:00:00 | 3971.00:00:00 | 2.0 | 246.00 | 4.0 | 0.09919 |
| Z 3971.00:00:00 | 3972.00:00:00 | 2.0 | 248.00 | 4.0 | 0.09919 |
| Z 3972.00:00:00 | 3973.00:00:00 | 2.0 | 250.00 | 4.0 | 0.09919 |
| Z 3973.00:00:00 | 3974.00:00:00 | 2.0 | 252.00 | 4.0 | 0.09919 |
| Z 3974.00:00:00 | 3975.00:00:00 | 2.0 | 254.00 | 4.0 | 0.09919 |
| Z 3975.00:00:00 | 3976.00:00:00 | 2.0 | 256.00 | 4.0 | 0.11021 |
| Z 3976.00:00:00 | 3977.00:00:00 | 2.0 | 258.00 | 4.0 | 0.11021 |
| Z 3977.00:00:00 | 3978.00:00:00 | 2.0 | 260.00 | 4.0 | 0.11021 |
| Z 3978.00:00:00 | 3979.00:00:00 | 2.0 | 262.00 | 4.0 | 0.11021 |
| Z 3979.00:00:00 | 3980.00:00:00 | 2.0 | 264.00 | 4.0 | 0.11021 |
| Z 3980.00:00:00 | 3981.00:00:00 | 2.0 | 266.00 | 4.0 | 0.07715 |
| Z 3981.00:00:00 | 3982.00:00:00 | 2.0 | 268.00 | 4.0 | 0.07715 |
| Z 3982.00:00:00 | 3983.00:00:00 | 2.0 | 270.00 | 4.0 | 0.07715 |
| Z 3983.00:00:00 | 3984.00:00:00 | 2.0 | 272.00 | 4.0 | 0.07715 |
| Z 3984.00:00:00 | 3985.00:00:00 | 2.0 | 274.00 | 4.0 | 0.07715 |
| Z 3985.00:00:00 | 3986.00:00:00 | 2.0 | 276.00 | 4.0 | 0.16532 |
| Z 3986.00:00:00 | 3987.00:00:00 | 2.0 | 278.00 | 4.0 | 0.16532 |
| Z 3987.00:00:00 | 3988.00:00:00 | 2.0 | 280.00 | 4.0 | 0.16532 |

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| Z 3988.00:00:00 | 3989.00:00:00 | 2.0 | 282.00 | 4.0 | 0.16532 |
| Z 3989.00:00:00 | 3990.00:00:00 | 2.0 | 284.00 | 4.0 | 0.16532 |
| Z 3990.00:00:00 | 3991.00:00:00 | 2.0 | 286.00 | 4.0 | 0.19838 |
| Z 3991.00:00:00 | 3992.00:00:00 | 2.0 | 288.00 | 4.0 | 0.19838 |
| Z 3992.00:00:00 | 3993.00:00:00 | 2.0 | 290.00 | 4.0 | 0.19838 |
| Z 3993.00:00:00 | 3994.00:00:00 | 2.0 | 292.00 | 4.0 | 0.19838 |
| Z 3994.00:00:00 | 3995.00:00:00 | 2.0 | 294.00 | 4.0 | 0.19838 |
| Z 3995.00:00:00 | 3996.00:00:00 | 2.0 | 296.00 | 4.0 | 0.19838 |
| Z 3996.00:00:00 | 3997.00:00:00 | 2.0 | 298.00 | 4.0 | 0.19838 |
| Z 3997.00:00:00 | 3998.00:00:00 | 2.0 | 300.00 | 4.0 | 0.19838 |
| Z 3998.00:00:00 | 3999.00:00:00 | 2.0 | 302.00 | 4.0 | 0.19838 |
| Z 3999.00:00:00 | 4000.00:00:00 | 2.0 | 304.00 | 4.0 | 0.19838 |
| Z 4000.00:00:00 | 4001.00:00:00 | 2.0 | 306.00 | 4.0 | 0.19838 |
| Z 4001.00:00:00 | 4002.00:00:00 | 2.0 | 308.00 | 4.0 | 0.19838 |
| Z 4002.00:00:00 | 4003.00:00:00 | 2.0 | 310.00 | 4.0 | 0.19838 |
| Z 4003.00:00:00 | 4004.00:00:00 | 2.0 | 312.00 | 4.0 | 0.19838 |
| Z 4004.00:00:00 | 4005.00:00:00 | 2.0 | 314.00 | 4.0 | 0.19838 |
| Z 4005.00:00:00 | 4006.00:00:00 | 2.0 | 316.00 | 4.0 | 0.23145 |
| Z 4006.00:00:00 | 4007.00:00:00 | 2.0 | 318.00 | 4.0 | 0.23145 |
| Z 4007.00:00:00 | 4008.00:00:00 | 2.0 | 320.00 | 4.0 | 0.23145 |
| Z 4008.00:00:00 | 4009.00:00:00 | 2.0 | 322.00 | 4.0 | 0.23145 |
| Z 4009.00:00:00 | 4010.00:00:00 | 2.0 | 324.00 | 4.0 | 0.23145 |
| Z 4010.00:00:00 | 4011.00:00:00 | 2.0 | 326.00 | 4.0 | 0.15430 |
| Z 4011.00:00:00 | 4012.00:00:00 | 2.0 | 328.00 | 4.0 | 0.15430 |
| Z 4012.00:00:00 | 4013.00:00:00 | 2.0 | 330.00 | 4.0 | 0.15430 |
| Z 4013.00:00:00 | 4014.00:00:00 | 2.0 | 332.00 | 4.0 | 0.15430 |
| Z 4014.00:00:00 | 4015.00:00:00 | 2.0 | 334.00 | 4.0 | 0.15430 |
| Z 4015.00:00:00 | 4016.00:00:00 | 2.0 | 336.00 | 4.0 | 0.16532 |
| Z 4016.00:00:00 | 4017.00:00:00 | 2.0 | 338.00 | 4.0 | 0.16532 |
| Z 4017.00:00:00 | 4018.00:00:00 | 2.0 | 340.00 | 4.0 | 0.16532 |
| Z 4018.00:00:00 | 4019.00:00:00 | 2.0 | 342.00 | 4.0 | 0.16532 |
| Z 4019.00:00:00 | 4020.00:00:00 | 2.0 | 344.00 | 4.0 | 0.16532 |
| Z 4020.00:00:00 | 4021.00:00:00 | 2.0 | 346.00 | 4.0 | 0.09919 |
| Z 4021.00:00:00 | 4022.00:00:00 | 2.0 | 348.00 | 4.0 | 0.09919 |
| Z 4022.00:00:00 | 4023.00:00:00 | 2.0 | 350.00 | 4.0 | 0.09919 |
| Z 4023.00:00:00 | 4024.00:00:00 | 2.0 | 352.00 | 4.0 | 0.09919 |
| Z 4024.00:00:00 | 4025.00:00:00 | 2.0 | 354.00 | 4.0 | 0.09919 |
| Z 4025.00:00:00 | 4026.00:00:00 | 2.0 | 356.00 | 4.0 | 0.08817 |
| Z 4026.00:00:00 | 4027.00:00:00 | 2.0 | 358.00 | 4.0 | 0.08817 |
| Z 4027.00:00:00 | 4028.00:00:00 | 2.0 | 360.00 | 4.0 | 0.08817 |
| Z 4028.00:00:00 | 4029.00:00:00 | 2.0 | 362.00 | 4.0 | 0.08817 |
| Z 4029.00:00:00 | 4030.00:00:00 | 2.0 | 364.00 | 4.0 | 0.08817 |
| Z 4030.00:00:00 | 4031.00:00:00 | 3.0 | 6.00   | 4.0 | 0.23145 |
| Z 4031.00:00:00 | 4032.00:00:00 | 3.0 | 8.00   | 4.0 | 0.23145 |
| Z 4032.00:00:00 | 4033.00:00:00 | 3.0 | 10.00  | 4.0 | 0.23145 |
| Z 4033.00:00:00 | 4034.00:00:00 | 3.0 | 12.00  | 4.0 | 0.23145 |
| Z 4034.00:00:00 | 4035.00:00:00 | 3.0 | 14.00  | 4.0 | 0.23145 |
| Z 4035.00:00:00 | 4036.00:00:00 | 3.0 | 16.00  | 4.0 | 0.12123 |
| Z 4036.00:00:00 | 4037.00:00:00 | 3.0 | 18.00  | 4.0 | 0.12123 |
| Z 4037.00:00:00 | 4038.00:00:00 | 3.0 | 20.00  | 4.0 | 0.12123 |
| Z 4038.00:00:00 | 4039.00:00:00 | 3.0 | 22.00  | 4.0 | 0.12123 |
| Z 4039.00:00:00 | 4040.00:00:00 | 3.0 | 24.00  | 4.0 | 0.12123 |
| Z 4040.00:00:00 | 4041.00:00:00 | 3.0 | 26.00  | 4.0 | 0.26451 |
| Z 4041.00:00:00 | 4042.00:00:00 | 3.0 | 28.00  | 4.0 | 0.26451 |
| Z 4042.00:00:00 | 4043.00:00:00 | 3.0 | 30.00  | 4.0 | 0.26451 |
| Z 4043.00:00:00 | 4044.00:00:00 | 3.0 | 32.00  | 4.0 | 0.26451 |
| Z 4044.00:00:00 | 4045.00:00:00 | 3.0 | 34.00  | 4.0 | 0.26451 |
| Z 4045.00:00:00 | 4046.00:00:00 | 3.0 | 36.00  | 4.0 | 0.34166 |
| Z 4046.00:00:00 | 4047.00:00:00 | 3.0 | 38.00  | 4.0 | 0.34166 |
| Z 4047.00:00:00 | 4048.00:00:00 | 3.0 | 40.00  | 4.0 | 0.34166 |
| Z 4048.00:00:00 | 4049.00:00:00 | 3.0 | 42.00  | 4.0 | 0.34166 |

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| Z 4049.00:00:00 | 4050.00:00:00 | 3.0 | 44.00  | 4.0 | 0.34166 |
| Z 4050.00:00:00 | 4051.00:00:00 | 3.0 | 46.00  | 4.0 | 0.47391 |
| Z 4051.00:00:00 | 4052.00:00:00 | 3.0 | 48.00  | 4.0 | 0.47391 |
| Z 4052.00:00:00 | 4053.00:00:00 | 3.0 | 50.00  | 4.0 | 0.47391 |
| Z 4053.00:00:00 | 4054.00:00:00 | 3.0 | 52.00  | 4.0 | 0.47391 |
| Z 4054.00:00:00 | 4055.00:00:00 | 3.0 | 54.00  | 4.0 | 0.47391 |
| Z 4055.00:00:00 | 4056.00:00:00 | 3.0 | 56.00  | 4.0 | 0.71638 |
| Z 4056.00:00:00 | 4057.00:00:00 | 3.0 | 58.00  | 4.0 | 0.71638 |
| Z 4057.00:00:00 | 4058.00:00:00 | 3.0 | 60.00  | 4.0 | 0.71638 |
| Z 4058.00:00:00 | 4059.00:00:00 | 3.0 | 62.00  | 4.0 | 0.71638 |
| Z 4059.00:00:00 | 4060.00:00:00 | 3.0 | 64.00  | 4.0 | 0.71638 |
| Z 4060.00:00:00 | 4061.00:00:00 | 3.0 | 66.00  | 4.0 | 0.65025 |
| Z 4061.00:00:00 | 4062.00:00:00 | 3.0 | 68.00  | 4.0 | 0.65025 |
| Z 4062.00:00:00 | 4063.00:00:00 | 3.0 | 70.00  | 4.0 | 0.65025 |
| Z 4063.00:00:00 | 4064.00:00:00 | 3.0 | 72.00  | 4.0 | 0.65025 |
| Z 4064.00:00:00 | 4065.00:00:00 | 3.0 | 74.00  | 4.0 | 0.65025 |
| Z 4065.00:00:00 | 4066.00:00:00 | 3.0 | 76.00  | 4.0 | 0.69434 |
| Z 4066.00:00:00 | 4067.00:00:00 | 3.0 | 78.00  | 4.0 | 0.69434 |
| Z 4067.00:00:00 | 4068.00:00:00 | 3.0 | 80.00  | 4.0 | 0.69434 |
| Z 4068.00:00:00 | 4069.00:00:00 | 3.0 | 82.00  | 4.0 | 0.69434 |
| Z 4069.00:00:00 | 4070.00:00:00 | 3.0 | 84.00  | 4.0 | 0.69434 |
| Z 4070.00:00:00 | 4071.00:00:00 | 3.0 | 86.00  | 4.0 | 0.54004 |
| Z 4071.00:00:00 | 4072.00:00:00 | 3.0 | 88.00  | 4.0 | 0.54004 |
| Z 4072.00:00:00 | 4073.00:00:00 | 3.0 | 90.00  | 4.0 | 0.54004 |
| Z 4073.00:00:00 | 4074.00:00:00 | 3.0 | 92.00  | 4.0 | 0.54004 |
| Z 4074.00:00:00 | 4075.00:00:00 | 3.0 | 94.00  | 4.0 | 0.54004 |
| Z 4075.00:00:00 | 4076.00:00:00 | 3.0 | 96.00  | 4.0 | 0.36370 |
| Z 4076.00:00:00 | 4077.00:00:00 | 3.0 | 98.00  | 4.0 | 0.36370 |
| Z 4077.00:00:00 | 4078.00:00:00 | 3.0 | 100.00 | 4.0 | 0.36370 |
| Z 4078.00:00:00 | 4079.00:00:00 | 3.0 | 102.00 | 4.0 | 0.36370 |
| Z 4079.00:00:00 | 4080.00:00:00 | 3.0 | 104.00 | 4.0 | 0.36370 |
| Z 4080.00:00:00 | 4081.00:00:00 | 3.0 | 106.00 | 4.0 | 0.25349 |
| Z 4081.00:00:00 | 4082.00:00:00 | 3.0 | 108.00 | 4.0 | 0.25349 |
| Z 4082.00:00:00 | 4083.00:00:00 | 3.0 | 110.00 | 4.0 | 0.25349 |
| Z 4083.00:00:00 | 4084.00:00:00 | 3.0 | 112.00 | 4.0 | 0.25349 |
| Z 4084.00:00:00 | 4085.00:00:00 | 3.0 | 114.00 | 4.0 | 0.25349 |
| Z 4085.00:00:00 | 4086.00:00:00 | 3.0 | 116.00 | 4.0 | 0.40778 |
| Z 4086.00:00:00 | 4087.00:00:00 | 3.0 | 118.00 | 4.0 | 0.40778 |
| Z 4087.00:00:00 | 4088.00:00:00 | 3.0 | 120.00 | 4.0 | 0.40778 |
| Z 4088.00:00:00 | 4089.00:00:00 | 3.0 | 122.00 | 4.0 | 0.40778 |
| Z 4089.00:00:00 | 4090.00:00:00 | 3.0 | 124.00 | 4.0 | 0.40778 |
| Z 4090.00:00:00 | 4091.00:00:00 | 3.0 | 126.00 | 4.0 | 0.59515 |
| Z 4091.00:00:00 | 4092.00:00:00 | 3.0 | 128.00 | 4.0 | 0.59515 |
| Z 4092.00:00:00 | 4093.00:00:00 | 3.0 | 130.00 | 4.0 | 0.59515 |
| Z 4093.00:00:00 | 4094.00:00:00 | 3.0 | 132.00 | 4.0 | 0.59515 |
| Z 4094.00:00:00 | 4095.00:00:00 | 3.0 | 134.00 | 4.0 | 0.59515 |
| Z 4095.00:00:00 | 4096.00:00:00 | 3.0 | 136.00 | 4.0 | 0.79353 |
| Z 4096.00:00:00 | 4097.00:00:00 | 3.0 | 138.00 | 4.0 | 0.79353 |
| Z 4097.00:00:00 | 4098.00:00:00 | 3.0 | 140.00 | 4.0 | 0.79353 |
| Z 4098.00:00:00 | 4099.00:00:00 | 3.0 | 142.00 | 4.0 | 0.79353 |
| Z 4099.00:00:00 | 4100.00:00:00 | 3.0 | 144.00 | 4.0 | 0.79353 |
| Z 4100.00:00:00 | 4101.00:00:00 | 3.0 | 146.00 | 4.0 | 0.45187 |
| Z 4101.00:00:00 | 4102.00:00:00 | 3.0 | 148.00 | 4.0 | 0.45187 |
| Z 4102.00:00:00 | 4103.00:00:00 | 3.0 | 150.00 | 4.0 | 0.45187 |
| Z 4103.00:00:00 | 4104.00:00:00 | 3.0 | 152.00 | 4.0 | 0.45187 |
| Z 4104.00:00:00 | 4105.00:00:00 | 3.0 | 154.00 | 4.0 | 0.45187 |
| Z 4105.00:00:00 | 4106.00:00:00 | 3.0 | 156.00 | 4.0 | 0.31962 |
| Z 4106.00:00:00 | 4107.00:00:00 | 3.0 | 158.00 | 4.0 | 0.31962 |
| Z 4107.00:00:00 | 4108.00:00:00 | 3.0 | 160.00 | 4.0 | 0.31962 |
| Z 4108.00:00:00 | 4109.00:00:00 | 3.0 | 162.00 | 4.0 | 0.31962 |
| Z 4109.00:00:00 | 4110.00:00:00 | 3.0 | 164.00 | 4.0 | 0.31962 |

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| Z 4110.00:00:00 | 4111.00:00:00 | 3.0 | 166.00 | 4.0 | 0.26451 |
| Z 4111.00:00:00 | 4112.00:00:00 | 3.0 | 168.00 | 4.0 | 0.26451 |
| Z 4112.00:00:00 | 4113.00:00:00 | 3.0 | 170.00 | 4.0 | 0.26451 |
| Z 4113.00:00:00 | 4114.00:00:00 | 3.0 | 172.00 | 4.0 | 0.26451 |
| Z 4114.00:00:00 | 4115.00:00:00 | 3.0 | 174.00 | 4.0 | 0.26451 |
| Z 4115.00:00:00 | 4116.00:00:00 | 3.0 | 176.00 | 4.0 | 0.28655 |
| Z 4116.00:00:00 | 4117.00:00:00 | 3.0 | 178.00 | 4.0 | 0.28655 |
| Z 4117.00:00:00 | 4118.00:00:00 | 3.0 | 180.00 | 4.0 | 0.28655 |
| Z 4118.00:00:00 | 4119.00:00:00 | 3.0 | 182.00 | 4.0 | 0.28655 |
| Z 4119.00:00:00 | 4120.00:00:00 | 3.0 | 184.00 | 4.0 | 0.28655 |
| Z 4120.00:00:00 | 4121.00:00:00 | 3.0 | 186.00 | 4.0 | 0.23145 |
| Z 4121.00:00:00 | 4122.00:00:00 | 3.0 | 188.00 | 4.0 | 0.23145 |
| Z 4122.00:00:00 | 4123.00:00:00 | 3.0 | 190.00 | 4.0 | 0.23145 |
| Z 4123.00:00:00 | 4124.00:00:00 | 3.0 | 192.00 | 4.0 | 0.23145 |
| Z 4124.00:00:00 | 4125.00:00:00 | 3.0 | 194.00 | 4.0 | 0.23145 |
| Z 4125.00:00:00 | 4126.00:00:00 | 3.0 | 196.00 | 4.0 | 0.17634 |
| Z 4126.00:00:00 | 4127.00:00:00 | 3.0 | 198.00 | 4.0 | 0.17634 |
| Z 4127.00:00:00 | 4128.00:00:00 | 3.0 | 200.00 | 4.0 | 0.17634 |
| Z 4128.00:00:00 | 4129.00:00:00 | 3.0 | 202.00 | 4.0 | 0.17634 |
| Z 4129.00:00:00 | 4130.00:00:00 | 3.0 | 204.00 | 4.0 | 0.17634 |
| Z 4130.00:00:00 | 4131.00:00:00 | 3.0 | 206.00 | 4.0 | 0.23145 |
| Z 4131.00:00:00 | 4132.00:00:00 | 3.0 | 208.00 | 4.0 | 0.23145 |
| Z 4132.00:00:00 | 4133.00:00:00 | 3.0 | 210.00 | 4.0 | 0.23145 |
| Z 4133.00:00:00 | 4134.00:00:00 | 3.0 | 212.00 | 4.0 | 0.23145 |
| Z 4134.00:00:00 | 4135.00:00:00 | 3.0 | 214.00 | 4.0 | 0.23145 |
| Z 4135.00:00:00 | 4136.00:00:00 | 3.0 | 216.00 | 4.0 | 0.26451 |
| Z 4136.00:00:00 | 4137.00:00:00 | 3.0 | 218.00 | 4.0 | 0.26451 |
| Z 4137.00:00:00 | 4138.00:00:00 | 3.0 | 220.00 | 4.0 | 0.26451 |
| Z 4138.00:00:00 | 4139.00:00:00 | 3.0 | 222.00 | 4.0 | 0.26451 |
| Z 4139.00:00:00 | 4140.00:00:00 | 3.0 | 224.00 | 4.0 | 0.26451 |
| Z 4140.00:00:00 | 4141.00:00:00 | 3.0 | 226.00 | 4.0 | 0.19838 |
| Z 4141.00:00:00 | 4142.00:00:00 | 3.0 | 228.00 | 4.0 | 0.19838 |
| Z 4142.00:00:00 | 4143.00:00:00 | 3.0 | 230.00 | 4.0 | 0.19838 |
| Z 4143.00:00:00 | 4144.00:00:00 | 3.0 | 232.00 | 4.0 | 0.19838 |
| Z 4144.00:00:00 | 4145.00:00:00 | 3.0 | 234.00 | 4.0 | 0.19838 |
| Z 4145.00:00:00 | 4146.00:00:00 | 3.0 | 236.00 | 4.0 | 0.14328 |
| Z 4146.00:00:00 | 4147.00:00:00 | 3.0 | 238.00 | 4.0 | 0.14328 |
| Z 4147.00:00:00 | 4148.00:00:00 | 3.0 | 240.00 | 4.0 | 0.14328 |
| Z 4148.00:00:00 | 4149.00:00:00 | 3.0 | 242.00 | 4.0 | 0.14328 |
| Z 4149.00:00:00 | 4150.00:00:00 | 3.0 | 244.00 | 4.0 | 0.14328 |
| Z 4150.00:00:00 | 4151.00:00:00 | 3.0 | 246.00 | 4.0 | 0.24247 |
| Z 4151.00:00:00 | 4152.00:00:00 | 3.0 | 248.00 | 4.0 | 0.24247 |
| Z 4152.00:00:00 | 4153.00:00:00 | 3.0 | 250.00 | 4.0 | 0.24247 |
| Z 4153.00:00:00 | 4154.00:00:00 | 3.0 | 252.00 | 4.0 | 0.24247 |
| Z 4154.00:00:00 | 4155.00:00:00 | 3.0 | 254.00 | 4.0 | 0.24247 |
| Z 4155.00:00:00 | 4156.00:00:00 | 3.0 | 256.00 | 4.0 | 0.36370 |
| Z 4156.00:00:00 | 4157.00:00:00 | 3.0 | 258.00 | 4.0 | 0.36370 |
| Z 4157.00:00:00 | 4158.00:00:00 | 3.0 | 260.00 | 4.0 | 0.36370 |
| Z 4158.00:00:00 | 4159.00:00:00 | 3.0 | 262.00 | 4.0 | 0.36370 |
| Z 4159.00:00:00 | 4160.00:00:00 | 3.0 | 264.00 | 4.0 | 0.36370 |
| Z 4160.00:00:00 | 4161.00:00:00 | 3.0 | 266.00 | 4.0 | 0.38574 |
| Z 4161.00:00:00 | 4162.00:00:00 | 3.0 | 268.00 | 4.0 | 0.38574 |
| Z 4162.00:00:00 | 4163.00:00:00 | 3.0 | 270.00 | 4.0 | 0.38574 |
| Z 4163.00:00:00 | 4164.00:00:00 | 3.0 | 272.00 | 4.0 | 0.38574 |
| Z 4164.00:00:00 | 4165.00:00:00 | 3.0 | 274.00 | 4.0 | 0.38574 |
| Z 4165.00:00:00 | 4166.00:00:00 | 3.0 | 276.00 | 4.0 | 0.41881 |
| Z 4166.00:00:00 | 4167.00:00:00 | 3.0 | 278.00 | 4.0 | 0.41881 |
| Z 4167.00:00:00 | 4168.00:00:00 | 3.0 | 280.00 | 4.0 | 0.41881 |
| Z 4168.00:00:00 | 4169.00:00:00 | 3.0 | 282.00 | 4.0 | 0.41881 |
| Z 4169.00:00:00 | 4170.00:00:00 | 3.0 | 284.00 | 4.0 | 0.41881 |
| Z 4170.00:00:00 | 4171.00:00:00 | 3.0 | 286.00 | 4.0 | 0.44085 |

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| Z 4171.00:00:00 | 4172.00:00:00 | 3.0 | 288.00 | 4.0 | 0.44085 |
| Z 4172.00:00:00 | 4173.00:00:00 | 3.0 | 290.00 | 4.0 | 0.44085 |
| Z 4173.00:00:00 | 4174.00:00:00 | 3.0 | 292.00 | 4.0 | 0.44085 |
| Z 4174.00:00:00 | 4175.00:00:00 | 3.0 | 294.00 | 4.0 | 0.44085 |
| Z 4175.00:00:00 | 4176.00:00:00 | 3.0 | 296.00 | 4.0 | 0.45187 |
| Z 4176.00:00:00 | 4177.00:00:00 | 3.0 | 298.00 | 4.0 | 0.45187 |
| Z 4177.00:00:00 | 4178.00:00:00 | 3.0 | 300.00 | 4.0 | 0.45187 |
| Z 4178.00:00:00 | 4179.00:00:00 | 3.0 | 302.00 | 4.0 | 0.45187 |
| Z 4179.00:00:00 | 4180.00:00:00 | 3.0 | 304.00 | 4.0 | 0.45187 |
| Z 4180.00:00:00 | 4181.00:00:00 | 3.0 | 306.00 | 4.0 | 0.59515 |
| Z 4181.00:00:00 | 4182.00:00:00 | 3.0 | 308.00 | 4.0 | 0.59515 |
| Z 4182.00:00:00 | 4183.00:00:00 | 3.0 | 310.00 | 4.0 | 0.59515 |
| Z 4183.00:00:00 | 4184.00:00:00 | 3.0 | 312.00 | 4.0 | 0.59515 |
| Z 4184.00:00:00 | 4185.00:00:00 | 3.0 | 314.00 | 4.0 | 0.59515 |
| Z 4185.00:00:00 | 4186.00:00:00 | 3.0 | 316.00 | 4.0 | 0.44085 |
| Z 4186.00:00:00 | 4187.00:00:00 | 3.0 | 318.00 | 4.0 | 0.44085 |
| Z 4187.00:00:00 | 4188.00:00:00 | 3.0 | 320.00 | 4.0 | 0.44085 |
| Z 4188.00:00:00 | 4189.00:00:00 | 3.0 | 322.00 | 4.0 | 0.44085 |
| Z 4189.00:00:00 | 4190.00:00:00 | 3.0 | 324.00 | 4.0 | 0.44085 |
| Z 4190.00:00:00 | 4191.00:00:00 | 3.0 | 326.00 | 4.0 | 0.28655 |
| Z 4191.00:00:00 | 4192.00:00:00 | 3.0 | 328.00 | 4.0 | 0.28655 |
| Z 4192.00:00:00 | 4193.00:00:00 | 3.0 | 330.00 | 4.0 | 0.28655 |
| Z 4193.00:00:00 | 4194.00:00:00 | 3.0 | 332.00 | 4.0 | 0.28655 |
| Z 4194.00:00:00 | 4195.00:00:00 | 3.0 | 334.00 | 4.0 | 0.28655 |
| Z 4195.00:00:00 | 4196.00:00:00 | 3.0 | 336.00 | 4.0 | 0.24247 |
| Z 4196.00:00:00 | 4197.00:00:00 | 3.0 | 338.00 | 4.0 | 0.24247 |
| Z 4197.00:00:00 | 4198.00:00:00 | 3.0 | 340.00 | 4.0 | 0.24247 |
| Z 4198.00:00:00 | 4199.00:00:00 | 3.0 | 342.00 | 4.0 | 0.24247 |
| Z 4199.00:00:00 | 4200.00:00:00 | 3.0 | 344.00 | 4.0 | 0.24247 |
| Z 4200.00:00:00 | 4201.00:00:00 | 3.0 | 346.00 | 4.0 | 0.19838 |
| Z 4201.00:00:00 | 4202.00:00:00 | 3.0 | 348.00 | 4.0 | 0.19838 |
| Z 4202.00:00:00 | 4203.00:00:00 | 3.0 | 350.00 | 4.0 | 0.19838 |
| Z 4203.00:00:00 | 4204.00:00:00 | 3.0 | 352.00 | 4.0 | 0.19838 |
| Z 4204.00:00:00 | 4205.00:00:00 | 3.0 | 354.00 | 4.0 | 0.19838 |
| Z 4205.00:00:00 | 4206.00:00:00 | 3.0 | 356.00 | 4.0 | 0.24247 |
| Z 4206.00:00:00 | 4207.00:00:00 | 3.0 | 358.00 | 4.0 | 0.24247 |
| Z 4207.00:00:00 | 4208.00:00:00 | 3.0 | 360.00 | 4.0 | 0.24247 |
| Z 4208.00:00:00 | 4209.00:00:00 | 3.0 | 362.00 | 4.0 | 0.24247 |
| Z 4209.00:00:00 | 4210.00:00:00 | 3.0 | 364.00 | 4.0 | 0.24247 |
| Z 4210.00:00:00 | 4211.00:00:00 | 4.5 | 6.00   | 4.0 | 0.02204 |
| Z 4211.00:00:00 | 4212.00:00:00 | 4.5 | 8.00   | 4.0 | 0.02204 |
| Z 4212.00:00:00 | 4213.00:00:00 | 4.5 | 10.00  | 4.0 | 0.02204 |
| Z 4213.00:00:00 | 4214.00:00:00 | 4.5 | 12.00  | 4.0 | 0.02204 |
| Z 4214.00:00:00 | 4215.00:00:00 | 4.5 | 14.00  | 4.0 | 0.02204 |
| Z 4215.00:00:00 | 4216.00:00:00 | 4.5 | 16.00  | 4.0 | 0.03306 |
| Z 4216.00:00:00 | 4217.00:00:00 | 4.5 | 18.00  | 4.0 | 0.03306 |
| Z 4217.00:00:00 | 4218.00:00:00 | 4.5 | 20.00  | 4.0 | 0.03306 |
| Z 4218.00:00:00 | 4219.00:00:00 | 4.5 | 22.00  | 4.0 | 0.03306 |
| Z 4219.00:00:00 | 4220.00:00:00 | 4.5 | 24.00  | 4.0 | 0.03306 |
| Z 4220.00:00:00 | 4221.00:00:00 | 4.5 | 26.00  | 4.0 | 0.07715 |
| Z 4221.00:00:00 | 4222.00:00:00 | 4.5 | 28.00  | 4.0 | 0.07715 |
| Z 4222.00:00:00 | 4223.00:00:00 | 4.5 | 30.00  | 4.0 | 0.07715 |
| Z 4223.00:00:00 | 4224.00:00:00 | 4.5 | 32.00  | 4.0 | 0.07715 |
| Z 4224.00:00:00 | 4225.00:00:00 | 4.5 | 34.00  | 4.0 | 0.07715 |
| Z 4225.00:00:00 | 4226.00:00:00 | 4.5 | 36.00  | 4.0 | 0.09919 |
| Z 4226.00:00:00 | 4227.00:00:00 | 4.5 | 38.00  | 4.0 | 0.09919 |
| Z 4227.00:00:00 | 4228.00:00:00 | 4.5 | 40.00  | 4.0 | 0.09919 |
| Z 4228.00:00:00 | 4229.00:00:00 | 4.5 | 42.00  | 4.0 | 0.09919 |
| Z 4229.00:00:00 | 4230.00:00:00 | 4.5 | 44.00  | 4.0 | 0.09919 |
| Z 4230.00:00:00 | 4231.00:00:00 | 4.5 | 46.00  | 4.0 | 0.12123 |
| Z 4231.00:00:00 | 4232.00:00:00 | 4.5 | 48.00  | 4.0 | 0.12123 |

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| Z 4232.00:00:00 | 4233.00:00:00 | 4.5 | 50.00  | 4.0 | 0.12123 |
| Z 4233.00:00:00 | 4234.00:00:00 | 4.5 | 52.00  | 4.0 | 0.12123 |
| Z 4234.00:00:00 | 4235.00:00:00 | 4.5 | 54.00  | 4.0 | 0.12123 |
| Z 4235.00:00:00 | 4236.00:00:00 | 4.5 | 56.00  | 4.0 | 0.24247 |
| Z 4236.00:00:00 | 4237.00:00:00 | 4.5 | 58.00  | 4.0 | 0.24247 |
| Z 4237.00:00:00 | 4238.00:00:00 | 4.5 | 60.00  | 4.0 | 0.24247 |
| Z 4238.00:00:00 | 4239.00:00:00 | 4.5 | 62.00  | 4.0 | 0.24247 |
| Z 4239.00:00:00 | 4240.00:00:00 | 4.5 | 64.00  | 4.0 | 0.24247 |
| Z 4240.00:00:00 | 4241.00:00:00 | 4.5 | 66.00  | 4.0 | 0.23145 |
| Z 4241.00:00:00 | 4242.00:00:00 | 4.5 | 68.00  | 4.0 | 0.23145 |
| Z 4242.00:00:00 | 4243.00:00:00 | 4.5 | 70.00  | 4.0 | 0.23145 |
| Z 4243.00:00:00 | 4244.00:00:00 | 4.5 | 72.00  | 4.0 | 0.23145 |
| Z 4244.00:00:00 | 4245.00:00:00 | 4.5 | 74.00  | 4.0 | 0.23145 |
| Z 4245.00:00:00 | 4246.00:00:00 | 4.5 | 76.00  | 4.0 | 0.23145 |
| Z 4246.00:00:00 | 4247.00:00:00 | 4.5 | 78.00  | 4.0 | 0.23145 |
| Z 4247.00:00:00 | 4248.00:00:00 | 4.5 | 80.00  | 4.0 | 0.23145 |
| Z 4248.00:00:00 | 4249.00:00:00 | 4.5 | 82.00  | 4.0 | 0.23145 |
| Z 4249.00:00:00 | 4250.00:00:00 | 4.5 | 84.00  | 4.0 | 0.23145 |
| Z 4250.00:00:00 | 4251.00:00:00 | 4.5 | 86.00  | 4.0 | 0.15430 |
| Z 4251.00:00:00 | 4252.00:00:00 | 4.5 | 88.00  | 4.0 | 0.15430 |
| Z 4252.00:00:00 | 4253.00:00:00 | 4.5 | 90.00  | 4.0 | 0.15430 |
| Z 4253.00:00:00 | 4254.00:00:00 | 4.5 | 92.00  | 4.0 | 0.15430 |
| Z 4254.00:00:00 | 4255.00:00:00 | 4.5 | 94.00  | 4.0 | 0.15430 |
| Z 4255.00:00:00 | 4256.00:00:00 | 4.5 | 96.00  | 4.0 | 0.19838 |
| Z 4256.00:00:00 | 4257.00:00:00 | 4.5 | 98.00  | 4.0 | 0.19838 |
| Z 4257.00:00:00 | 4258.00:00:00 | 4.5 | 100.00 | 4.0 | 0.19838 |
| Z 4258.00:00:00 | 4259.00:00:00 | 4.5 | 102.00 | 4.0 | 0.19838 |
| Z 4259.00:00:00 | 4260.00:00:00 | 4.5 | 104.00 | 4.0 | 0.19838 |
| Z 4260.00:00:00 | 4261.00:00:00 | 4.5 | 106.00 | 4.0 | 0.14328 |
| Z 4261.00:00:00 | 4262.00:00:00 | 4.5 | 108.00 | 4.0 | 0.14328 |
| Z 4262.00:00:00 | 4263.00:00:00 | 4.5 | 110.00 | 4.0 | 0.14328 |
| Z 4263.00:00:00 | 4264.00:00:00 | 4.5 | 112.00 | 4.0 | 0.14328 |
| Z 4264.00:00:00 | 4265.00:00:00 | 4.5 | 114.00 | 4.0 | 0.14328 |
| Z 4265.00:00:00 | 4266.00:00:00 | 4.5 | 116.00 | 4.0 | 0.09919 |
| Z 4266.00:00:00 | 4267.00:00:00 | 4.5 | 118.00 | 4.0 | 0.09919 |
| Z 4267.00:00:00 | 4268.00:00:00 | 4.5 | 120.00 | 4.0 | 0.09919 |
| Z 4268.00:00:00 | 4269.00:00:00 | 4.5 | 122.00 | 4.0 | 0.09919 |
| Z 4269.00:00:00 | 4270.00:00:00 | 4.5 | 124.00 | 4.0 | 0.09919 |
| Z 4270.00:00:00 | 4271.00:00:00 | 4.5 | 126.00 | 4.0 | 0.20940 |
| Z 4271.00:00:00 | 4272.00:00:00 | 4.5 | 128.00 | 4.0 | 0.20940 |
| Z 4272.00:00:00 | 4273.00:00:00 | 4.5 | 130.00 | 4.0 | 0.20940 |
| Z 4273.00:00:00 | 4274.00:00:00 | 4.5 | 132.00 | 4.0 | 0.20940 |
| Z 4274.00:00:00 | 4275.00:00:00 | 4.5 | 134.00 | 4.0 | 0.20940 |
| Z 4275.00:00:00 | 4276.00:00:00 | 4.5 | 136.00 | 4.0 | 0.07715 |
| Z 4276.00:00:00 | 4277.00:00:00 | 4.5 | 138.00 | 4.0 | 0.07715 |
| Z 4277.00:00:00 | 4278.00:00:00 | 4.5 | 140.00 | 4.0 | 0.07715 |
| Z 4278.00:00:00 | 4279.00:00:00 | 4.5 | 142.00 | 4.0 | 0.07715 |
| Z 4279.00:00:00 | 4280.00:00:00 | 4.5 | 144.00 | 4.0 | 0.07715 |
| Z 4280.00:00:00 | 4281.00:00:00 | 4.5 | 146.00 | 4.0 | 0.07715 |
| Z 4281.00:00:00 | 4282.00:00:00 | 4.5 | 148.00 | 4.0 | 0.07715 |
| Z 4282.00:00:00 | 4283.00:00:00 | 4.5 | 150.00 | 4.0 | 0.07715 |
| Z 4283.00:00:00 | 4284.00:00:00 | 4.5 | 152.00 | 4.0 | 0.07715 |
| Z 4284.00:00:00 | 4285.00:00:00 | 4.5 | 154.00 | 4.0 | 0.07715 |
| Z 4285.00:00:00 | 4286.00:00:00 | 4.5 | 156.00 | 4.0 | 0.08817 |
| Z 4286.00:00:00 | 4287.00:00:00 | 4.5 | 158.00 | 4.0 | 0.08817 |
| Z 4287.00:00:00 | 4288.00:00:00 | 4.5 | 160.00 | 4.0 | 0.08817 |
| Z 4288.00:00:00 | 4289.00:00:00 | 4.5 | 162.00 | 4.0 | 0.08817 |
| Z 4289.00:00:00 | 4290.00:00:00 | 4.5 | 164.00 | 4.0 | 0.08817 |
| Z 4290.00:00:00 | 4291.00:00:00 | 4.5 | 166.00 | 4.0 | 0.02204 |
| Z 4291.00:00:00 | 4292.00:00:00 | 4.5 | 168.00 | 4.0 | 0.02204 |
| Z 4292.00:00:00 | 4293.00:00:00 | 4.5 | 170.00 | 4.0 | 0.02204 |

|                 |               |     |        |     |         |
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| Z 4293.00:00:00 | 4294.00:00:00 | 4.5 | 172.00 | 4.0 | 0.02204 |
| Z 4294.00:00:00 | 4295.00:00:00 | 4.5 | 174.00 | 4.0 | 0.02204 |
| Z 4295.00:00:00 | 4296.00:00:00 | 4.5 | 176.00 | 4.0 | 0.14328 |
| Z 4296.00:00:00 | 4297.00:00:00 | 4.5 | 178.00 | 4.0 | 0.14328 |
| Z 4297.00:00:00 | 4298.00:00:00 | 4.5 | 180.00 | 4.0 | 0.14328 |
| Z 4298.00:00:00 | 4299.00:00:00 | 4.5 | 182.00 | 4.0 | 0.14328 |
| Z 4299.00:00:00 | 4300.00:00:00 | 4.5 | 184.00 | 4.0 | 0.14328 |
| Z 4300.00:00:00 | 4301.00:00:00 | 4.5 | 186.00 | 4.0 | 0.01102 |
| Z 4301.00:00:00 | 4302.00:00:00 | 4.5 | 188.00 | 4.0 | 0.01102 |
| Z 4302.00:00:00 | 4303.00:00:00 | 4.5 | 190.00 | 4.0 | 0.01102 |
| Z 4303.00:00:00 | 4304.00:00:00 | 4.5 | 192.00 | 4.0 | 0.01102 |
| Z 4304.00:00:00 | 4305.00:00:00 | 4.5 | 194.00 | 4.0 | 0.01102 |
| Z 4305.00:00:00 | 4306.00:00:00 | 4.5 | 196.00 | 4.0 | 0.07715 |
| Z 4306.00:00:00 | 4307.00:00:00 | 4.5 | 198.00 | 4.0 | 0.07715 |
| Z 4307.00:00:00 | 4308.00:00:00 | 4.5 | 200.00 | 4.0 | 0.07715 |
| Z 4308.00:00:00 | 4309.00:00:00 | 4.5 | 202.00 | 4.0 | 0.07715 |
| Z 4309.00:00:00 | 4310.00:00:00 | 4.5 | 204.00 | 4.0 | 0.07715 |
| Z 4310.00:00:00 | 4311.00:00:00 | 4.5 | 206.00 | 4.0 | 0.07715 |
| Z 4311.00:00:00 | 4312.00:00:00 | 4.5 | 208.00 | 4.0 | 0.07715 |
| Z 4312.00:00:00 | 4313.00:00:00 | 4.5 | 210.00 | 4.0 | 0.07715 |
| Z 4313.00:00:00 | 4314.00:00:00 | 4.5 | 212.00 | 4.0 | 0.07715 |
| Z 4314.00:00:00 | 4315.00:00:00 | 4.5 | 214.00 | 4.0 | 0.07715 |
| Z 4315.00:00:00 | 4316.00:00:00 | 4.5 | 216.00 | 4.0 | 0.08817 |
| Z 4316.00:00:00 | 4317.00:00:00 | 4.5 | 218.00 | 4.0 | 0.08817 |
| Z 4317.00:00:00 | 4318.00:00:00 | 4.5 | 220.00 | 4.0 | 0.08817 |
| Z 4318.00:00:00 | 4319.00:00:00 | 4.5 | 222.00 | 4.0 | 0.08817 |
| Z 4319.00:00:00 | 4320.00:00:00 | 4.5 | 224.00 | 4.0 | 0.08817 |
| Z 4320.00:00:00 | 4321.00:00:00 | 4.5 | 226.00 | 4.0 | 0.18736 |
| Z 4321.00:00:00 | 4322.00:00:00 | 4.5 | 228.00 | 4.0 | 0.18736 |
| Z 4322.00:00:00 | 4323.00:00:00 | 4.5 | 230.00 | 4.0 | 0.18736 |
| Z 4323.00:00:00 | 4324.00:00:00 | 4.5 | 232.00 | 4.0 | 0.18736 |
| Z 4324.00:00:00 | 4325.00:00:00 | 4.5 | 234.00 | 4.0 | 0.18736 |
| Z 4325.00:00:00 | 4326.00:00:00 | 4.5 | 236.00 | 4.0 | 0.20940 |
| Z 4326.00:00:00 | 4327.00:00:00 | 4.5 | 238.00 | 4.0 | 0.20940 |
| Z 4327.00:00:00 | 4328.00:00:00 | 4.5 | 240.00 | 4.0 | 0.20940 |
| Z 4328.00:00:00 | 4329.00:00:00 | 4.5 | 242.00 | 4.0 | 0.20940 |
| Z 4329.00:00:00 | 4330.00:00:00 | 4.5 | 244.00 | 4.0 | 0.20940 |
| Z 4330.00:00:00 | 4331.00:00:00 | 4.5 | 246.00 | 4.0 | 0.29757 |
| Z 4331.00:00:00 | 4332.00:00:00 | 4.5 | 248.00 | 4.0 | 0.29757 |
| Z 4332.00:00:00 | 4333.00:00:00 | 4.5 | 250.00 | 4.0 | 0.29757 |
| Z 4333.00:00:00 | 4334.00:00:00 | 4.5 | 252.00 | 4.0 | 0.29757 |
| Z 4334.00:00:00 | 4335.00:00:00 | 4.5 | 254.00 | 4.0 | 0.29757 |
| Z 4335.00:00:00 | 4336.00:00:00 | 4.5 | 256.00 | 4.0 | 0.37472 |
| Z 4336.00:00:00 | 4337.00:00:00 | 4.5 | 258.00 | 4.0 | 0.37472 |
| Z 4337.00:00:00 | 4338.00:00:00 | 4.5 | 260.00 | 4.0 | 0.37472 |
| Z 4338.00:00:00 | 4339.00:00:00 | 4.5 | 262.00 | 4.0 | 0.37472 |
| Z 4339.00:00:00 | 4340.00:00:00 | 4.5 | 264.00 | 4.0 | 0.37472 |
| Z 4340.00:00:00 | 4341.00:00:00 | 4.5 | 266.00 | 4.0 | 0.27553 |
| Z 4341.00:00:00 | 4342.00:00:00 | 4.5 | 268.00 | 4.0 | 0.27553 |
| Z 4342.00:00:00 | 4343.00:00:00 | 4.5 | 270.00 | 4.0 | 0.27553 |
| Z 4343.00:00:00 | 4344.00:00:00 | 4.5 | 272.00 | 4.0 | 0.27553 |
| Z 4344.00:00:00 | 4345.00:00:00 | 4.5 | 274.00 | 4.0 | 0.27553 |
| Z 4345.00:00:00 | 4346.00:00:00 | 4.5 | 276.00 | 4.0 | 0.23145 |
| Z 4346.00:00:00 | 4347.00:00:00 | 4.5 | 278.00 | 4.0 | 0.23145 |
| Z 4347.00:00:00 | 4348.00:00:00 | 4.5 | 280.00 | 4.0 | 0.23145 |
| Z 4348.00:00:00 | 4349.00:00:00 | 4.5 | 282.00 | 4.0 | 0.23145 |
| Z 4349.00:00:00 | 4350.00:00:00 | 4.5 | 284.00 | 4.0 | 0.23145 |
| Z 4350.00:00:00 | 4351.00:00:00 | 4.5 | 286.00 | 4.0 | 0.23145 |
| Z 4351.00:00:00 | 4352.00:00:00 | 4.5 | 288.00 | 4.0 | 0.23145 |
| Z 4352.00:00:00 | 4353.00:00:00 | 4.5 | 290.00 | 4.0 | 0.23145 |
| Z 4353.00:00:00 | 4354.00:00:00 | 4.5 | 292.00 | 4.0 | 0.23145 |

|   |               |               |     |        |     |         |
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| Z | 4354.00:00:00 | 4355.00:00:00 | 4.5 | 294.00 | 4.0 | 0.23145 |
| Z | 4355.00:00:00 | 4356.00:00:00 | 4.5 | 296.00 | 4.0 | 0.17634 |
| Z | 4356.00:00:00 | 4357.00:00:00 | 4.5 | 298.00 | 4.0 | 0.17634 |
| Z | 4357.00:00:00 | 4358.00:00:00 | 4.5 | 300.00 | 4.0 | 0.17634 |
| Z | 4358.00:00:00 | 4359.00:00:00 | 4.5 | 302.00 | 4.0 | 0.17634 |
| Z | 4359.00:00:00 | 4360.00:00:00 | 4.5 | 304.00 | 4.0 | 0.17634 |
| Z | 4360.00:00:00 | 4361.00:00:00 | 4.5 | 306.00 | 4.0 | 0.12123 |
| Z | 4361.00:00:00 | 4362.00:00:00 | 4.5 | 308.00 | 4.0 | 0.12123 |
| Z | 4362.00:00:00 | 4363.00:00:00 | 4.5 | 310.00 | 4.0 | 0.12123 |
| Z | 4363.00:00:00 | 4364.00:00:00 | 4.5 | 312.00 | 4.0 | 0.12123 |
| Z | 4364.00:00:00 | 4365.00:00:00 | 4.5 | 314.00 | 4.0 | 0.12123 |
| Z | 4365.00:00:00 | 4366.00:00:00 | 4.5 | 316.00 | 4.0 | 0.07715 |
| Z | 4366.00:00:00 | 4367.00:00:00 | 4.5 | 318.00 | 4.0 | 0.07715 |
| Z | 4367.00:00:00 | 4368.00:00:00 | 4.5 | 320.00 | 4.0 | 0.07715 |
| Z | 4368.00:00:00 | 4369.00:00:00 | 4.5 | 322.00 | 4.0 | 0.07715 |
| Z | 4369.00:00:00 | 4370.00:00:00 | 4.5 | 324.00 | 4.0 | 0.07715 |
| Z | 4370.00:00:00 | 4371.00:00:00 | 4.5 | 326.00 | 4.0 | 0.08817 |
| Z | 4371.00:00:00 | 4372.00:00:00 | 4.5 | 328.00 | 4.0 | 0.08817 |
| Z | 4372.00:00:00 | 4373.00:00:00 | 4.5 | 330.00 | 4.0 | 0.08817 |
| Z | 4373.00:00:00 | 4374.00:00:00 | 4.5 | 332.00 | 4.0 | 0.08817 |
| Z | 4374.00:00:00 | 4375.00:00:00 | 4.5 | 334.00 | 4.0 | 0.08817 |
| Z | 4375.00:00:00 | 4376.00:00:00 | 4.5 | 336.00 | 4.0 | 0.07715 |
| Z | 4376.00:00:00 | 4377.00:00:00 | 4.5 | 338.00 | 4.0 | 0.07715 |
| Z | 4377.00:00:00 | 4378.00:00:00 | 4.5 | 340.00 | 4.0 | 0.07715 |
| Z | 4378.00:00:00 | 4379.00:00:00 | 4.5 | 342.00 | 4.0 | 0.07715 |
| Z | 4379.00:00:00 | 4380.00:00:00 | 4.5 | 344.00 | 4.0 | 0.07715 |
| Z | 4380.00:00:00 | 4381.00:00:00 | 4.5 | 346.00 | 4.0 | 0.03306 |
| Z | 4381.00:00:00 | 4382.00:00:00 | 4.5 | 348.00 | 4.0 | 0.03306 |
| Z | 4382.00:00:00 | 4383.00:00:00 | 4.5 | 350.00 | 4.0 | 0.03306 |
| Z | 4383.00:00:00 | 4384.00:00:00 | 4.5 | 352.00 | 4.0 | 0.03306 |
| Z | 4384.00:00:00 | 4385.00:00:00 | 4.5 | 354.00 | 4.0 | 0.03306 |
| Z | 4385.00:00:00 | 4386.00:00:00 | 4.5 | 356.00 | 4.0 | 0.02204 |
| Z | 4386.00:00:00 | 4387.00:00:00 | 4.5 | 358.00 | 4.0 | 0.02204 |
| Z | 4387.00:00:00 | 4388.00:00:00 | 4.5 | 360.00 | 4.0 | 0.02204 |
| Z | 4388.00:00:00 | 4389.00:00:00 | 4.5 | 362.00 | 4.0 | 0.02204 |
| Z | 4389.00:00:00 | 4390.00:00:00 | 4.5 | 364.00 | 4.0 | 0.02204 |
| Z | 4390.00:00:00 | 4391.00:00:00 | 6.0 | 36.00  | 4.0 | 0.06613 |
| Z | 4391.00:00:00 | 4392.00:00:00 | 6.0 | 38.00  | 4.0 | 0.06613 |
| Z | 4392.00:00:00 | 4393.00:00:00 | 6.0 | 40.00  | 4.0 | 0.06613 |
| Z | 4393.00:00:00 | 4394.00:00:00 | 6.0 | 42.00  | 4.0 | 0.06613 |
| Z | 4394.00:00:00 | 4395.00:00:00 | 6.0 | 44.00  | 4.0 | 0.06613 |
| Z | 4395.00:00:00 | 4396.00:00:00 | 6.0 | 46.00  | 4.0 | 0.01102 |
| Z | 4396.00:00:00 | 4397.00:00:00 | 6.0 | 48.00  | 4.0 | 0.01102 |
| Z | 4397.00:00:00 | 4398.00:00:00 | 6.0 | 50.00  | 4.0 | 0.01102 |
| Z | 4398.00:00:00 | 4399.00:00:00 | 6.0 | 52.00  | 4.0 | 0.01102 |
| Z | 4399.00:00:00 | 4400.00:00:00 | 6.0 | 54.00  | 4.0 | 0.01102 |
| Z | 4400.00:00:00 | 4401.00:00:00 | 6.0 | 56.00  | 4.0 | 0.08817 |
| Z | 4401.00:00:00 | 4402.00:00:00 | 6.0 | 58.00  | 4.0 | 0.08817 |
| Z | 4402.00:00:00 | 4403.00:00:00 | 6.0 | 60.00  | 4.0 | 0.08817 |
| Z | 4403.00:00:00 | 4404.00:00:00 | 6.0 | 62.00  | 4.0 | 0.08817 |
| Z | 4404.00:00:00 | 4405.00:00:00 | 6.0 | 64.00  | 4.0 | 0.08817 |
| Z | 4405.00:00:00 | 4406.00:00:00 | 6.0 | 66.00  | 4.0 | 0.05511 |
| Z | 4406.00:00:00 | 4407.00:00:00 | 6.0 | 68.00  | 4.0 | 0.05511 |
| Z | 4407.00:00:00 | 4408.00:00:00 | 6.0 | 70.00  | 4.0 | 0.05511 |
| Z | 4408.00:00:00 | 4409.00:00:00 | 6.0 | 72.00  | 4.0 | 0.05511 |
| Z | 4409.00:00:00 | 4410.00:00:00 | 6.0 | 74.00  | 4.0 | 0.05511 |
| Z | 4410.00:00:00 | 4411.00:00:00 | 6.0 | 76.00  | 4.0 | 0.09919 |
| Z | 4411.00:00:00 | 4412.00:00:00 | 6.0 | 78.00  | 4.0 | 0.09919 |
| Z | 4412.00:00:00 | 4413.00:00:00 | 6.0 | 80.00  | 4.0 | 0.09919 |
| Z | 4413.00:00:00 | 4414.00:00:00 | 6.0 | 82.00  | 4.0 | 0.09919 |
| Z | 4414.00:00:00 | 4415.00:00:00 | 6.0 | 84.00  | 4.0 | 0.09919 |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 4415.00:00:00 | 4416.00:00:00 | 6.0 | 86.00  | 4.0 | 0.07715 |
| Z 4416.00:00:00 | 4417.00:00:00 | 6.0 | 88.00  | 4.0 | 0.07715 |
| Z 4417.00:00:00 | 4418.00:00:00 | 6.0 | 90.00  | 4.0 | 0.07715 |
| Z 4418.00:00:00 | 4419.00:00:00 | 6.0 | 92.00  | 4.0 | 0.07715 |
| Z 4419.00:00:00 | 4420.00:00:00 | 6.0 | 94.00  | 4.0 | 0.07715 |
| Z 4420.00:00:00 | 4421.00:00:00 | 6.0 | 96.00  | 4.0 | 0.05511 |
| Z 4421.00:00:00 | 4422.00:00:00 | 6.0 | 98.00  | 4.0 | 0.05511 |
| Z 4422.00:00:00 | 4423.00:00:00 | 6.0 | 100.00 | 4.0 | 0.05511 |
| Z 4423.00:00:00 | 4424.00:00:00 | 6.0 | 102.00 | 4.0 | 0.05511 |
| Z 4424.00:00:00 | 4425.00:00:00 | 6.0 | 104.00 | 4.0 | 0.05511 |
| Z 4425.00:00:00 | 4426.00:00:00 | 6.0 | 106.00 | 4.0 | 0.02204 |
| Z 4426.00:00:00 | 4427.00:00:00 | 6.0 | 108.00 | 4.0 | 0.02204 |
| Z 4427.00:00:00 | 4428.00:00:00 | 6.0 | 110.00 | 4.0 | 0.02204 |
| Z 4428.00:00:00 | 4429.00:00:00 | 6.0 | 112.00 | 4.0 | 0.02204 |
| Z 4429.00:00:00 | 4430.00:00:00 | 6.0 | 114.00 | 4.0 | 0.02204 |
| Z 4430.00:00:00 | 4431.00:00:00 | 6.0 | 116.00 | 4.0 | 0.02204 |
| Z 4431.00:00:00 | 4432.00:00:00 | 6.0 | 118.00 | 4.0 | 0.02204 |
| Z 4432.00:00:00 | 4433.00:00:00 | 6.0 | 120.00 | 4.0 | 0.02204 |
| Z 4433.00:00:00 | 4434.00:00:00 | 6.0 | 122.00 | 4.0 | 0.02204 |
| Z 4434.00:00:00 | 4435.00:00:00 | 6.0 | 124.00 | 4.0 | 0.02204 |
| Z 4435.00:00:00 | 4436.00:00:00 | 6.0 | 176.00 | 4.0 | 0.01102 |
| Z 4436.00:00:00 | 4437.00:00:00 | 6.0 | 178.00 | 4.0 | 0.01102 |
| Z 4437.00:00:00 | 4438.00:00:00 | 6.0 | 180.00 | 4.0 | 0.01102 |
| Z 4438.00:00:00 | 4439.00:00:00 | 6.0 | 182.00 | 4.0 | 0.01102 |
| Z 4439.00:00:00 | 4440.00:00:00 | 6.0 | 184.00 | 4.0 | 0.01102 |
| Z 4440.00:00:00 | 4441.00:00:00 | 6.0 | 196.00 | 4.0 | 0.03306 |
| Z 4441.00:00:00 | 4442.00:00:00 | 6.0 | 198.00 | 4.0 | 0.03306 |
| Z 4442.00:00:00 | 4443.00:00:00 | 6.0 | 200.00 | 4.0 | 0.03306 |
| Z 4443.00:00:00 | 4444.00:00:00 | 6.0 | 202.00 | 4.0 | 0.03306 |
| Z 4444.00:00:00 | 4445.00:00:00 | 6.0 | 204.00 | 4.0 | 0.03306 |
| Z 4445.00:00:00 | 4446.00:00:00 | 6.0 | 206.00 | 4.0 | 0.02204 |
| Z 4446.00:00:00 | 4447.00:00:00 | 6.0 | 208.00 | 4.0 | 0.02204 |
| Z 4447.00:00:00 | 4448.00:00:00 | 6.0 | 210.00 | 4.0 | 0.02204 |
| Z 4448.00:00:00 | 4449.00:00:00 | 6.0 | 212.00 | 4.0 | 0.02204 |
| Z 4449.00:00:00 | 4450.00:00:00 | 6.0 | 214.00 | 4.0 | 0.02204 |
| Z 4450.00:00:00 | 4451.00:00:00 | 6.0 | 216.00 | 4.0 | 0.05511 |
| Z 4451.00:00:00 | 4452.00:00:00 | 6.0 | 218.00 | 4.0 | 0.05511 |
| Z 4452.00:00:00 | 4453.00:00:00 | 6.0 | 220.00 | 4.0 | 0.05511 |
| Z 4453.00:00:00 | 4454.00:00:00 | 6.0 | 222.00 | 4.0 | 0.05511 |
| Z 4454.00:00:00 | 4455.00:00:00 | 6.0 | 224.00 | 4.0 | 0.05511 |
| Z 4455.00:00:00 | 4456.00:00:00 | 6.0 | 226.00 | 4.0 | 0.25349 |
| Z 4456.00:00:00 | 4457.00:00:00 | 6.0 | 228.00 | 4.0 | 0.25349 |
| Z 4457.00:00:00 | 4458.00:00:00 | 6.0 | 230.00 | 4.0 | 0.25349 |
| Z 4458.00:00:00 | 4459.00:00:00 | 6.0 | 232.00 | 4.0 | 0.25349 |
| Z 4459.00:00:00 | 4460.00:00:00 | 6.0 | 234.00 | 4.0 | 0.25349 |
| Z 4460.00:00:00 | 4461.00:00:00 | 6.0 | 236.00 | 4.0 | 0.09919 |
| Z 4461.00:00:00 | 4462.00:00:00 | 6.0 | 238.00 | 4.0 | 0.09919 |
| Z 4462.00:00:00 | 4463.00:00:00 | 6.0 | 240.00 | 4.0 | 0.09919 |
| Z 4463.00:00:00 | 4464.00:00:00 | 6.0 | 242.00 | 4.0 | 0.09919 |
| Z 4464.00:00:00 | 4465.00:00:00 | 6.0 | 244.00 | 4.0 | 0.09919 |
| Z 4465.00:00:00 | 4466.00:00:00 | 6.0 | 246.00 | 4.0 | 0.09919 |
| Z 4466.00:00:00 | 4467.00:00:00 | 6.0 | 248.00 | 4.0 | 0.09919 |
| Z 4467.00:00:00 | 4468.00:00:00 | 6.0 | 250.00 | 4.0 | 0.09919 |
| Z 4468.00:00:00 | 4469.00:00:00 | 6.0 | 252.00 | 4.0 | 0.09919 |
| Z 4469.00:00:00 | 4470.00:00:00 | 6.0 | 254.00 | 4.0 | 0.09919 |
| Z 4470.00:00:00 | 4471.00:00:00 | 6.0 | 256.00 | 4.0 | 0.08817 |
| Z 4471.00:00:00 | 4472.00:00:00 | 6.0 | 258.00 | 4.0 | 0.08817 |
| Z 4472.00:00:00 | 4473.00:00:00 | 6.0 | 260.00 | 4.0 | 0.08817 |
| Z 4473.00:00:00 | 4474.00:00:00 | 6.0 | 262.00 | 4.0 | 0.08817 |
| Z 4474.00:00:00 | 4475.00:00:00 | 6.0 | 264.00 | 4.0 | 0.08817 |
| Z 4475.00:00:00 | 4476.00:00:00 | 6.0 | 266.00 | 4.0 | 0.19838 |

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| Z 4476.00:00:00 | 4477.00:00:00 | 6.0 | 268.00 | 4.0 | 0.19838 |
| Z 4477.00:00:00 | 4478.00:00:00 | 6.0 | 270.00 | 4.0 | 0.19838 |
| Z 4478.00:00:00 | 4479.00:00:00 | 6.0 | 272.00 | 4.0 | 0.19838 |
| Z 4479.00:00:00 | 4480.00:00:00 | 6.0 | 274.00 | 4.0 | 0.19838 |
| Z 4480.00:00:00 | 4481.00:00:00 | 6.0 | 276.00 | 4.0 | 0.14328 |
| Z 4481.00:00:00 | 4482.00:00:00 | 6.0 | 278.00 | 4.0 | 0.14328 |
| Z 4482.00:00:00 | 4483.00:00:00 | 6.0 | 280.00 | 4.0 | 0.14328 |
| Z 4483.00:00:00 | 4484.00:00:00 | 6.0 | 282.00 | 4.0 | 0.14328 |
| Z 4484.00:00:00 | 4485.00:00:00 | 6.0 | 284.00 | 4.0 | 0.14328 |
| Z 4485.00:00:00 | 4486.00:00:00 | 6.0 | 286.00 | 4.0 | 0.08817 |
| Z 4486.00:00:00 | 4487.00:00:00 | 6.0 | 288.00 | 4.0 | 0.08817 |
| Z 4487.00:00:00 | 4488.00:00:00 | 6.0 | 290.00 | 4.0 | 0.08817 |
| Z 4488.00:00:00 | 4489.00:00:00 | 6.0 | 292.00 | 4.0 | 0.08817 |
| Z 4489.00:00:00 | 4490.00:00:00 | 6.0 | 294.00 | 4.0 | 0.08817 |
| Z 4490.00:00:00 | 4491.00:00:00 | 6.0 | 296.00 | 4.0 | 0.09919 |
| Z 4491.00:00:00 | 4492.00:00:00 | 6.0 | 298.00 | 4.0 | 0.09919 |
| Z 4492.00:00:00 | 4493.00:00:00 | 6.0 | 300.00 | 4.0 | 0.09919 |
| Z 4493.00:00:00 | 4494.00:00:00 | 6.0 | 302.00 | 4.0 | 0.09919 |
| Z 4494.00:00:00 | 4495.00:00:00 | 6.0 | 304.00 | 4.0 | 0.09919 |
| Z 4495.00:00:00 | 4496.00:00:00 | 6.0 | 306.00 | 4.0 | 0.01102 |
| Z 4496.00:00:00 | 4497.00:00:00 | 6.0 | 308.00 | 4.0 | 0.01102 |
| Z 4497.00:00:00 | 4498.00:00:00 | 6.0 | 310.00 | 4.0 | 0.01102 |
| Z 4498.00:00:00 | 4499.00:00:00 | 6.0 | 312.00 | 4.0 | 0.01102 |
| Z 4499.00:00:00 | 4500.00:00:00 | 6.0 | 314.00 | 4.0 | 0.01102 |
| Z 4500.00:00:00 | 4501.00:00:00 | 6.0 | 316.00 | 4.0 | 0.08817 |
| Z 4501.00:00:00 | 4502.00:00:00 | 6.0 | 318.00 | 4.0 | 0.08817 |
| Z 4502.00:00:00 | 4503.00:00:00 | 6.0 | 320.00 | 4.0 | 0.08817 |
| Z 4503.00:00:00 | 4504.00:00:00 | 6.0 | 322.00 | 4.0 | 0.08817 |
| Z 4504.00:00:00 | 4505.00:00:00 | 6.0 | 324.00 | 4.0 | 0.08817 |
| Z 4505.00:00:00 | 4506.00:00:00 | 6.0 | 326.00 | 4.0 | 0.01102 |
| Z 4506.00:00:00 | 4507.00:00:00 | 6.0 | 328.00 | 4.0 | 0.01102 |
| Z 4507.00:00:00 | 4508.00:00:00 | 6.0 | 330.00 | 4.0 | 0.01102 |
| Z 4508.00:00:00 | 4509.00:00:00 | 6.0 | 332.00 | 4.0 | 0.01102 |
| Z 4509.00:00:00 | 4510.00:00:00 | 6.0 | 334.00 | 4.0 | 0.01102 |
| Z 4510.00:00:00 | 4511.00:00:00 | 6.0 | 336.00 | 4.0 | 0.01102 |
| Z 4511.00:00:00 | 4512.00:00:00 | 6.0 | 338.00 | 4.0 | 0.01102 |
| Z 4512.00:00:00 | 4513.00:00:00 | 6.0 | 340.00 | 4.0 | 0.01102 |
| Z 4513.00:00:00 | 4514.00:00:00 | 6.0 | 342.00 | 4.0 | 0.01102 |
| Z 4514.00:00:00 | 4515.00:00:00 | 6.0 | 344.00 | 4.0 | 0.01102 |
| Z 4515.00:00:00 | 4516.00:00:00 | 7.5 | 216.00 | 4.0 | 0.03306 |
| Z 4516.00:00:00 | 4517.00:00:00 | 7.5 | 218.00 | 4.0 | 0.03306 |
| Z 4517.00:00:00 | 4518.00:00:00 | 7.5 | 220.00 | 4.0 | 0.03306 |
| Z 4518.00:00:00 | 4519.00:00:00 | 7.5 | 222.00 | 4.0 | 0.03306 |
| Z 4519.00:00:00 | 4520.00:00:00 | 7.5 | 224.00 | 4.0 | 0.03306 |
| Z 4520.00:00:00 | 4521.00:00:00 | 7.5 | 226.00 | 4.0 | 0.01102 |
| Z 4521.00:00:00 | 4522.00:00:00 | 7.5 | 228.00 | 4.0 | 0.01102 |
| Z 4522.00:00:00 | 4523.00:00:00 | 7.5 | 230.00 | 4.0 | 0.01102 |
| Z 4523.00:00:00 | 4524.00:00:00 | 7.5 | 232.00 | 4.0 | 0.01102 |
| Z 4524.00:00:00 | 4525.00:00:00 | 7.5 | 234.00 | 4.0 | 0.01102 |
| Z 4525.00:00:00 | 4526.00:00:00 | 7.5 | 246.00 | 4.0 | 0.02204 |
| Z 4526.00:00:00 | 4527.00:00:00 | 7.5 | 248.00 | 4.0 | 0.02204 |
| Z 4527.00:00:00 | 4528.00:00:00 | 7.5 | 250.00 | 4.0 | 0.02204 |
| Z 4528.00:00:00 | 4529.00:00:00 | 7.5 | 252.00 | 4.0 | 0.02204 |
| Z 4529.00:00:00 | 4530.00:00:00 | 7.5 | 254.00 | 4.0 | 0.02204 |
| Z 4530.00:00:00 | 4531.00:00:00 | 7.5 | 256.00 | 4.0 | 0.03306 |
| Z 4531.00:00:00 | 4532.00:00:00 | 7.5 | 258.00 | 4.0 | 0.03306 |
| Z 4532.00:00:00 | 4533.00:00:00 | 7.5 | 260.00 | 4.0 | 0.03306 |
| Z 4533.00:00:00 | 4534.00:00:00 | 7.5 | 262.00 | 4.0 | 0.03306 |
| Z 4534.00:00:00 | 4535.00:00:00 | 7.5 | 264.00 | 4.0 | 0.03306 |
| Z 4535.00:00:00 | 4536.00:00:00 | 7.5 | 266.00 | 4.0 | 0.01102 |
| Z 4536.00:00:00 | 4537.00:00:00 | 7.5 | 268.00 | 4.0 | 0.01102 |

|                 |               |     |        |     |         |
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| Z 4537.00:00:00 | 4538.00:00:00 | 7.5 | 270.00 | 4.0 | 0.01102 |
| Z 4538.00:00:00 | 4539.00:00:00 | 7.5 | 272.00 | 4.0 | 0.01102 |
| Z 4539.00:00:00 | 4540.00:00:00 | 7.5 | 274.00 | 4.0 | 0.01102 |
| Z 4540.00:00:00 | 4541.00:00:00 | 7.5 | 276.00 | 4.0 | 0.01102 |
| Z 4541.00:00:00 | 4542.00:00:00 | 7.5 | 278.00 | 4.0 | 0.01102 |
| Z 4542.00:00:00 | 4543.00:00:00 | 7.5 | 280.00 | 4.0 | 0.01102 |
| Z 4543.00:00:00 | 4544.00:00:00 | 7.5 | 282.00 | 4.0 | 0.01102 |
| Z 4544.00:00:00 | 4545.00:00:00 | 7.5 | 284.00 | 4.0 | 0.01102 |
| Z 4545.00:00:00 | 4546.00:00:00 | 7.5 | 286.00 | 4.0 | 0.01102 |
| Z 4546.00:00:00 | 4547.00:00:00 | 7.5 | 288.00 | 4.0 | 0.01102 |
| Z 4547.00:00:00 | 4548.00:00:00 | 7.5 | 290.00 | 4.0 | 0.01102 |
| Z 4548.00:00:00 | 4549.00:00:00 | 7.5 | 292.00 | 4.0 | 0.01102 |
| Z 4549.00:00:00 | 4550.00:00:00 | 7.5 | 294.00 | 4.0 | 0.01102 |
| Z 4550.00:00:00 | 4551.00:00:00 | 7.5 | 326.00 | 4.0 | 0.01102 |
| Z 4551.00:00:00 | 4552.00:00:00 | 7.5 | 328.00 | 4.0 | 0.01102 |
| Z 4552.00:00:00 | 4553.00:00:00 | 7.5 | 330.00 | 4.0 | 0.01102 |
| Z 4553.00:00:00 | 4554.00:00:00 | 7.5 | 332.00 | 4.0 | 0.01102 |
| Z 4554.00:00:00 | 4555.00:00:00 | 7.5 | 334.00 | 4.0 | 0.01102 |
| Z 4555.00:00:00 | 4556.00:00:00 | 1.0 | 6.00   | 5.0 | 0.07715 |
| Z 4556.00:00:00 | 4557.00:00:00 | 1.0 | 8.00   | 5.0 | 0.07715 |
| Z 4557.00:00:00 | 4558.00:00:00 | 1.0 | 10.00  | 5.0 | 0.07715 |
| Z 4558.00:00:00 | 4559.00:00:00 | 1.0 | 12.00  | 5.0 | 0.07715 |
| Z 4559.00:00:00 | 4560.00:00:00 | 1.0 | 14.00  | 5.0 | 0.07715 |
| Z 4560.00:00:00 | 4561.00:00:00 | 1.0 | 16.00  | 5.0 | 0.07715 |
| Z 4561.00:00:00 | 4562.00:00:00 | 1.0 | 18.00  | 5.0 | 0.07715 |
| Z 4562.00:00:00 | 4563.00:00:00 | 1.0 | 20.00  | 5.0 | 0.07715 |
| Z 4563.00:00:00 | 4564.00:00:00 | 1.0 | 22.00  | 5.0 | 0.07715 |
| Z 4564.00:00:00 | 4565.00:00:00 | 1.0 | 24.00  | 5.0 | 0.07715 |
| Z 4565.00:00:00 | 4566.00:00:00 | 1.0 | 26.00  | 5.0 | 0.05511 |
| Z 4566.00:00:00 | 4567.00:00:00 | 1.0 | 28.00  | 5.0 | 0.05511 |
| Z 4567.00:00:00 | 4568.00:00:00 | 1.0 | 30.00  | 5.0 | 0.05511 |
| Z 4568.00:00:00 | 4569.00:00:00 | 1.0 | 32.00  | 5.0 | 0.05511 |
| Z 4569.00:00:00 | 4570.00:00:00 | 1.0 | 34.00  | 5.0 | 0.05511 |
| Z 4570.00:00:00 | 4571.00:00:00 | 1.0 | 36.00  | 5.0 | 0.07715 |
| Z 4571.00:00:00 | 4572.00:00:00 | 1.0 | 38.00  | 5.0 | 0.07715 |
| Z 4572.00:00:00 | 4573.00:00:00 | 1.0 | 40.00  | 5.0 | 0.07715 |
| Z 4573.00:00:00 | 4574.00:00:00 | 1.0 | 42.00  | 5.0 | 0.07715 |
| Z 4574.00:00:00 | 4575.00:00:00 | 1.0 | 44.00  | 5.0 | 0.07715 |
| Z 4575.00:00:00 | 4576.00:00:00 | 1.0 | 46.00  | 5.0 | 0.12123 |
| Z 4576.00:00:00 | 4577.00:00:00 | 1.0 | 48.00  | 5.0 | 0.12123 |
| Z 4577.00:00:00 | 4578.00:00:00 | 1.0 | 50.00  | 5.0 | 0.12123 |
| Z 4578.00:00:00 | 4579.00:00:00 | 1.0 | 52.00  | 5.0 | 0.12123 |
| Z 4579.00:00:00 | 4580.00:00:00 | 1.0 | 54.00  | 5.0 | 0.12123 |
| Z 4580.00:00:00 | 4581.00:00:00 | 1.0 | 56.00  | 5.0 | 0.11021 |
| Z 4581.00:00:00 | 4582.00:00:00 | 1.0 | 58.00  | 5.0 | 0.11021 |
| Z 4582.00:00:00 | 4583.00:00:00 | 1.0 | 60.00  | 5.0 | 0.11021 |
| Z 4583.00:00:00 | 4584.00:00:00 | 1.0 | 62.00  | 5.0 | 0.11021 |
| Z 4584.00:00:00 | 4585.00:00:00 | 1.0 | 64.00  | 5.0 | 0.11021 |
| Z 4585.00:00:00 | 4586.00:00:00 | 1.0 | 66.00  | 5.0 | 0.05511 |
| Z 4586.00:00:00 | 4587.00:00:00 | 1.0 | 68.00  | 5.0 | 0.05511 |
| Z 4587.00:00:00 | 4588.00:00:00 | 1.0 | 70.00  | 5.0 | 0.05511 |
| Z 4588.00:00:00 | 4589.00:00:00 | 1.0 | 72.00  | 5.0 | 0.05511 |
| Z 4589.00:00:00 | 4590.00:00:00 | 1.0 | 74.00  | 5.0 | 0.05511 |
| Z 4590.00:00:00 | 4591.00:00:00 | 1.0 | 76.00  | 5.0 | 0.16532 |
| Z 4591.00:00:00 | 4592.00:00:00 | 1.0 | 78.00  | 5.0 | 0.16532 |
| Z 4592.00:00:00 | 4593.00:00:00 | 1.0 | 80.00  | 5.0 | 0.16532 |
| Z 4593.00:00:00 | 4594.00:00:00 | 1.0 | 82.00  | 5.0 | 0.16532 |
| Z 4594.00:00:00 | 4595.00:00:00 | 1.0 | 84.00  | 5.0 | 0.16532 |
| Z 4595.00:00:00 | 4596.00:00:00 | 1.0 | 86.00  | 5.0 | 0.08817 |
| Z 4596.00:00:00 | 4597.00:00:00 | 1.0 | 88.00  | 5.0 | 0.08817 |
| Z 4597.00:00:00 | 4598.00:00:00 | 1.0 | 90.00  | 5.0 | 0.08817 |

|                 |               |     |        |     |         |
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| Z 4598.00:00:00 | 4599.00:00:00 | 1.0 | 92.00  | 5.0 | 0.08817 |
| Z 4599.00:00:00 | 4600.00:00:00 | 1.0 | 94.00  | 5.0 | 0.08817 |
| Z 4600.00:00:00 | 4601.00:00:00 | 1.0 | 96.00  | 5.0 | 0.11021 |
| Z 4601.00:00:00 | 4602.00:00:00 | 1.0 | 98.00  | 5.0 | 0.11021 |
| Z 4602.00:00:00 | 4603.00:00:00 | 1.0 | 100.00 | 5.0 | 0.11021 |
| Z 4603.00:00:00 | 4604.00:00:00 | 1.0 | 102.00 | 5.0 | 0.11021 |
| Z 4604.00:00:00 | 4605.00:00:00 | 1.0 | 104.00 | 5.0 | 0.11021 |
| Z 4605.00:00:00 | 4606.00:00:00 | 1.0 | 106.00 | 5.0 | 0.09919 |
| Z 4606.00:00:00 | 4607.00:00:00 | 1.0 | 108.00 | 5.0 | 0.09919 |
| Z 4607.00:00:00 | 4608.00:00:00 | 1.0 | 110.00 | 5.0 | 0.09919 |
| Z 4608.00:00:00 | 4609.00:00:00 | 1.0 | 112.00 | 5.0 | 0.09919 |
| Z 4609.00:00:00 | 4610.00:00:00 | 1.0 | 114.00 | 5.0 | 0.09919 |
| Z 4610.00:00:00 | 4611.00:00:00 | 1.0 | 116.00 | 5.0 | 0.05511 |
| Z 4611.00:00:00 | 4612.00:00:00 | 1.0 | 118.00 | 5.0 | 0.05511 |
| Z 4612.00:00:00 | 4613.00:00:00 | 1.0 | 120.00 | 5.0 | 0.05511 |
| Z 4613.00:00:00 | 4614.00:00:00 | 1.0 | 122.00 | 5.0 | 0.05511 |
| Z 4614.00:00:00 | 4615.00:00:00 | 1.0 | 124.00 | 5.0 | 0.05511 |
| Z 4615.00:00:00 | 4616.00:00:00 | 1.0 | 126.00 | 5.0 | 0.14328 |
| Z 4616.00:00:00 | 4617.00:00:00 | 1.0 | 128.00 | 5.0 | 0.14328 |
| Z 4617.00:00:00 | 4618.00:00:00 | 1.0 | 130.00 | 5.0 | 0.14328 |
| Z 4618.00:00:00 | 4619.00:00:00 | 1.0 | 132.00 | 5.0 | 0.14328 |
| Z 4619.00:00:00 | 4620.00:00:00 | 1.0 | 134.00 | 5.0 | 0.14328 |
| Z 4620.00:00:00 | 4621.00:00:00 | 1.0 | 136.00 | 5.0 | 0.12123 |
| Z 4621.00:00:00 | 4622.00:00:00 | 1.0 | 138.00 | 5.0 | 0.12123 |
| Z 4622.00:00:00 | 4623.00:00:00 | 1.0 | 140.00 | 5.0 | 0.12123 |
| Z 4623.00:00:00 | 4624.00:00:00 | 1.0 | 142.00 | 5.0 | 0.12123 |
| Z 4624.00:00:00 | 4625.00:00:00 | 1.0 | 144.00 | 5.0 | 0.12123 |
| Z 4625.00:00:00 | 4626.00:00:00 | 1.0 | 146.00 | 5.0 | 0.11021 |
| Z 4626.00:00:00 | 4627.00:00:00 | 1.0 | 148.00 | 5.0 | 0.11021 |
| Z 4627.00:00:00 | 4628.00:00:00 | 1.0 | 150.00 | 5.0 | 0.11021 |
| Z 4628.00:00:00 | 4629.00:00:00 | 1.0 | 152.00 | 5.0 | 0.11021 |
| Z 4629.00:00:00 | 4630.00:00:00 | 1.0 | 154.00 | 5.0 | 0.11021 |
| Z 4630.00:00:00 | 4631.00:00:00 | 1.0 | 156.00 | 5.0 | 0.11021 |
| Z 4631.00:00:00 | 4632.00:00:00 | 1.0 | 158.00 | 5.0 | 0.11021 |
| Z 4632.00:00:00 | 4633.00:00:00 | 1.0 | 160.00 | 5.0 | 0.11021 |
| Z 4633.00:00:00 | 4634.00:00:00 | 1.0 | 162.00 | 5.0 | 0.11021 |
| Z 4634.00:00:00 | 4635.00:00:00 | 1.0 | 164.00 | 5.0 | 0.11021 |
| Z 4635.00:00:00 | 4636.00:00:00 | 1.0 | 166.00 | 5.0 | 0.03306 |
| Z 4636.00:00:00 | 4637.00:00:00 | 1.0 | 168.00 | 5.0 | 0.03306 |
| Z 4637.00:00:00 | 4638.00:00:00 | 1.0 | 170.00 | 5.0 | 0.03306 |
| Z 4638.00:00:00 | 4639.00:00:00 | 1.0 | 172.00 | 5.0 | 0.03306 |
| Z 4639.00:00:00 | 4640.00:00:00 | 1.0 | 174.00 | 5.0 | 0.03306 |
| Z 4640.00:00:00 | 4641.00:00:00 | 1.0 | 176.00 | 5.0 | 0.02204 |
| Z 4641.00:00:00 | 4642.00:00:00 | 1.0 | 178.00 | 5.0 | 0.02204 |
| Z 4642.00:00:00 | 4643.00:00:00 | 1.0 | 180.00 | 5.0 | 0.02204 |
| Z 4643.00:00:00 | 4644.00:00:00 | 1.0 | 182.00 | 5.0 | 0.02204 |
| Z 4644.00:00:00 | 4645.00:00:00 | 1.0 | 184.00 | 5.0 | 0.02204 |
| Z 4645.00:00:00 | 4646.00:00:00 | 1.0 | 186.00 | 5.0 | 0.07715 |
| Z 4646.00:00:00 | 4647.00:00:00 | 1.0 | 188.00 | 5.0 | 0.07715 |
| Z 4647.00:00:00 | 4648.00:00:00 | 1.0 | 190.00 | 5.0 | 0.07715 |
| Z 4648.00:00:00 | 4649.00:00:00 | 1.0 | 192.00 | 5.0 | 0.07715 |
| Z 4649.00:00:00 | 4650.00:00:00 | 1.0 | 194.00 | 5.0 | 0.07715 |
| Z 4650.00:00:00 | 4651.00:00:00 | 1.0 | 196.00 | 5.0 | 0.01102 |
| Z 4651.00:00:00 | 4652.00:00:00 | 1.0 | 198.00 | 5.0 | 0.01102 |
| Z 4652.00:00:00 | 4653.00:00:00 | 1.0 | 200.00 | 5.0 | 0.01102 |
| Z 4653.00:00:00 | 4654.00:00:00 | 1.0 | 202.00 | 5.0 | 0.01102 |
| Z 4654.00:00:00 | 4655.00:00:00 | 1.0 | 204.00 | 5.0 | 0.01102 |
| Z 4655.00:00:00 | 4656.00:00:00 | 1.0 | 206.00 | 5.0 | 0.07715 |
| Z 4656.00:00:00 | 4657.00:00:00 | 1.0 | 208.00 | 5.0 | 0.07715 |
| Z 4657.00:00:00 | 4658.00:00:00 | 1.0 | 210.00 | 5.0 | 0.07715 |
| Z 4658.00:00:00 | 4659.00:00:00 | 1.0 | 212.00 | 5.0 | 0.07715 |

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| Z 4659.00:00:00 | 4660.00:00:00 | 1.0 | 214.00 | 5.0 | 0.07715 |
| Z 4660.00:00:00 | 4661.00:00:00 | 1.0 | 216.00 | 5.0 | 0.08817 |
| Z 4661.00:00:00 | 4662.00:00:00 | 1.0 | 218.00 | 5.0 | 0.08817 |
| Z 4662.00:00:00 | 4663.00:00:00 | 1.0 | 220.00 | 5.0 | 0.08817 |
| Z 4663.00:00:00 | 4664.00:00:00 | 1.0 | 222.00 | 5.0 | 0.08817 |
| Z 4664.00:00:00 | 4665.00:00:00 | 1.0 | 224.00 | 5.0 | 0.08817 |
| Z 4665.00:00:00 | 4666.00:00:00 | 1.0 | 226.00 | 5.0 | 0.09919 |
| Z 4666.00:00:00 | 4667.00:00:00 | 1.0 | 228.00 | 5.0 | 0.09919 |
| Z 4667.00:00:00 | 4668.00:00:00 | 1.0 | 230.00 | 5.0 | 0.09919 |
| Z 4668.00:00:00 | 4669.00:00:00 | 1.0 | 232.00 | 5.0 | 0.09919 |
| Z 4669.00:00:00 | 4670.00:00:00 | 1.0 | 234.00 | 5.0 | 0.09919 |
| Z 4670.00:00:00 | 4671.00:00:00 | 1.0 | 236.00 | 5.0 | 0.11021 |
| Z 4671.00:00:00 | 4672.00:00:00 | 1.0 | 238.00 | 5.0 | 0.11021 |
| Z 4672.00:00:00 | 4673.00:00:00 | 1.0 | 240.00 | 5.0 | 0.11021 |
| Z 4673.00:00:00 | 4674.00:00:00 | 1.0 | 242.00 | 5.0 | 0.11021 |
| Z 4674.00:00:00 | 4675.00:00:00 | 1.0 | 244.00 | 5.0 | 0.11021 |
| Z 4675.00:00:00 | 4676.00:00:00 | 1.0 | 246.00 | 5.0 | 0.07715 |
| Z 4676.00:00:00 | 4677.00:00:00 | 1.0 | 248.00 | 5.0 | 0.07715 |
| Z 4677.00:00:00 | 4678.00:00:00 | 1.0 | 250.00 | 5.0 | 0.07715 |
| Z 4678.00:00:00 | 4679.00:00:00 | 1.0 | 252.00 | 5.0 | 0.07715 |
| Z 4679.00:00:00 | 4680.00:00:00 | 1.0 | 254.00 | 5.0 | 0.07715 |
| Z 4680.00:00:00 | 4681.00:00:00 | 1.0 | 256.00 | 5.0 | 0.11021 |
| Z 4681.00:00:00 | 4682.00:00:00 | 1.0 | 258.00 | 5.0 | 0.11021 |
| Z 4682.00:00:00 | 4683.00:00:00 | 1.0 | 260.00 | 5.0 | 0.11021 |
| Z 4683.00:00:00 | 4684.00:00:00 | 1.0 | 262.00 | 5.0 | 0.11021 |
| Z 4684.00:00:00 | 4685.00:00:00 | 1.0 | 264.00 | 5.0 | 0.11021 |
| Z 4685.00:00:00 | 4686.00:00:00 | 1.0 | 266.00 | 5.0 | 0.05511 |
| Z 4686.00:00:00 | 4687.00:00:00 | 1.0 | 268.00 | 5.0 | 0.05511 |
| Z 4687.00:00:00 | 4688.00:00:00 | 1.0 | 270.00 | 5.0 | 0.05511 |
| Z 4688.00:00:00 | 4689.00:00:00 | 1.0 | 272.00 | 5.0 | 0.05511 |
| Z 4689.00:00:00 | 4690.00:00:00 | 1.0 | 274.00 | 5.0 | 0.05511 |
| Z 4690.00:00:00 | 4691.00:00:00 | 1.0 | 276.00 | 5.0 | 0.14328 |
| Z 4691.00:00:00 | 4692.00:00:00 | 1.0 | 278.00 | 5.0 | 0.14328 |
| Z 4692.00:00:00 | 4693.00:00:00 | 1.0 | 280.00 | 5.0 | 0.14328 |
| Z 4693.00:00:00 | 4694.00:00:00 | 1.0 | 282.00 | 5.0 | 0.14328 |
| Z 4694.00:00:00 | 4695.00:00:00 | 1.0 | 284.00 | 5.0 | 0.14328 |
| Z 4695.00:00:00 | 4696.00:00:00 | 1.0 | 286.00 | 5.0 | 0.11021 |
| Z 4696.00:00:00 | 4697.00:00:00 | 1.0 | 288.00 | 5.0 | 0.11021 |
| Z 4697.00:00:00 | 4698.00:00:00 | 1.0 | 290.00 | 5.0 | 0.11021 |
| Z 4698.00:00:00 | 4699.00:00:00 | 1.0 | 292.00 | 5.0 | 0.11021 |
| Z 4699.00:00:00 | 4700.00:00:00 | 1.0 | 294.00 | 5.0 | 0.11021 |
| Z 4700.00:00:00 | 4701.00:00:00 | 1.0 | 296.00 | 5.0 | 0.14328 |
| Z 4701.00:00:00 | 4702.00:00:00 | 1.0 | 298.00 | 5.0 | 0.14328 |
| Z 4702.00:00:00 | 4703.00:00:00 | 1.0 | 300.00 | 5.0 | 0.14328 |
| Z 4703.00:00:00 | 4704.00:00:00 | 1.0 | 302.00 | 5.0 | 0.14328 |
| Z 4704.00:00:00 | 4705.00:00:00 | 1.0 | 304.00 | 5.0 | 0.14328 |
| Z 4705.00:00:00 | 4706.00:00:00 | 1.0 | 306.00 | 5.0 | 0.11021 |
| Z 4706.00:00:00 | 4707.00:00:00 | 1.0 | 308.00 | 5.0 | 0.11021 |
| Z 4707.00:00:00 | 4708.00:00:00 | 1.0 | 310.00 | 5.0 | 0.11021 |
| Z 4708.00:00:00 | 4709.00:00:00 | 1.0 | 312.00 | 5.0 | 0.11021 |
| Z 4709.00:00:00 | 4710.00:00:00 | 1.0 | 314.00 | 5.0 | 0.11021 |
| Z 4710.00:00:00 | 4711.00:00:00 | 1.0 | 316.00 | 5.0 | 0.08817 |
| Z 4711.00:00:00 | 4712.00:00:00 | 1.0 | 318.00 | 5.0 | 0.08817 |
| Z 4712.00:00:00 | 4713.00:00:00 | 1.0 | 320.00 | 5.0 | 0.08817 |
| Z 4713.00:00:00 | 4714.00:00:00 | 1.0 | 322.00 | 5.0 | 0.08817 |
| Z 4714.00:00:00 | 4715.00:00:00 | 1.0 | 324.00 | 5.0 | 0.08817 |
| Z 4715.00:00:00 | 4716.00:00:00 | 1.0 | 326.00 | 5.0 | 0.11021 |
| Z 4716.00:00:00 | 4717.00:00:00 | 1.0 | 328.00 | 5.0 | 0.11021 |
| Z 4717.00:00:00 | 4718.00:00:00 | 1.0 | 330.00 | 5.0 | 0.11021 |
| Z 4718.00:00:00 | 4719.00:00:00 | 1.0 | 332.00 | 5.0 | 0.11021 |
| Z 4719.00:00:00 | 4720.00:00:00 | 1.0 | 334.00 | 5.0 | 0.11021 |

|                 |               |     |        |     |         |
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| Z 4720.00:00:00 | 4721.00:00:00 | 1.0 | 336.00 | 5.0 | 0.06613 |
| Z 4721.00:00:00 | 4722.00:00:00 | 1.0 | 338.00 | 5.0 | 0.06613 |
| Z 4722.00:00:00 | 4723.00:00:00 | 1.0 | 340.00 | 5.0 | 0.06613 |
| Z 4723.00:00:00 | 4724.00:00:00 | 1.0 | 342.00 | 5.0 | 0.06613 |
| Z 4724.00:00:00 | 4725.00:00:00 | 1.0 | 344.00 | 5.0 | 0.06613 |
| Z 4725.00:00:00 | 4726.00:00:00 | 1.0 | 346.00 | 5.0 | 0.03306 |
| Z 4726.00:00:00 | 4727.00:00:00 | 1.0 | 348.00 | 5.0 | 0.03306 |
| Z 4727.00:00:00 | 4728.00:00:00 | 1.0 | 350.00 | 5.0 | 0.03306 |
| Z 4728.00:00:00 | 4729.00:00:00 | 1.0 | 352.00 | 5.0 | 0.03306 |
| Z 4729.00:00:00 | 4730.00:00:00 | 1.0 | 354.00 | 5.0 | 0.03306 |
| Z 4730.00:00:00 | 4731.00:00:00 | 1.0 | 356.00 | 5.0 | 0.08817 |
| Z 4731.00:00:00 | 4732.00:00:00 | 1.0 | 358.00 | 5.0 | 0.08817 |
| Z 4732.00:00:00 | 4733.00:00:00 | 1.0 | 360.00 | 5.0 | 0.08817 |
| Z 4733.00:00:00 | 4734.00:00:00 | 1.0 | 362.00 | 5.0 | 0.08817 |
| Z 4734.00:00:00 | 4735.00:00:00 | 1.0 | 364.00 | 5.0 | 0.08817 |
| Z 4735.00:00:00 | 4736.00:00:00 | 1.5 | 6.00   | 5.0 | 0.07715 |
| Z 4736.00:00:00 | 4737.00:00:00 | 1.5 | 8.00   | 5.0 | 0.07715 |
| Z 4737.00:00:00 | 4738.00:00:00 | 1.5 | 10.00  | 5.0 | 0.07715 |
| Z 4738.00:00:00 | 4739.00:00:00 | 1.5 | 12.00  | 5.0 | 0.07715 |
| Z 4739.00:00:00 | 4740.00:00:00 | 1.5 | 14.00  | 5.0 | 0.07715 |
| Z 4740.00:00:00 | 4741.00:00:00 | 1.5 | 16.00  | 5.0 | 0.06613 |
| Z 4741.00:00:00 | 4742.00:00:00 | 1.5 | 18.00  | 5.0 | 0.06613 |
| Z 4742.00:00:00 | 4743.00:00:00 | 1.5 | 20.00  | 5.0 | 0.06613 |
| Z 4743.00:00:00 | 4744.00:00:00 | 1.5 | 22.00  | 5.0 | 0.06613 |
| Z 4744.00:00:00 | 4745.00:00:00 | 1.5 | 24.00  | 5.0 | 0.06613 |
| Z 4745.00:00:00 | 4746.00:00:00 | 1.5 | 26.00  | 5.0 | 0.07715 |
| Z 4746.00:00:00 | 4747.00:00:00 | 1.5 | 28.00  | 5.0 | 0.07715 |
| Z 4747.00:00:00 | 4748.00:00:00 | 1.5 | 30.00  | 5.0 | 0.07715 |
| Z 4748.00:00:00 | 4749.00:00:00 | 1.5 | 32.00  | 5.0 | 0.07715 |
| Z 4749.00:00:00 | 4750.00:00:00 | 1.5 | 34.00  | 5.0 | 0.07715 |
| Z 4750.00:00:00 | 4751.00:00:00 | 1.5 | 36.00  | 5.0 | 0.07715 |
| Z 4751.00:00:00 | 4752.00:00:00 | 1.5 | 38.00  | 5.0 | 0.07715 |
| Z 4752.00:00:00 | 4753.00:00:00 | 1.5 | 40.00  | 5.0 | 0.07715 |
| Z 4753.00:00:00 | 4754.00:00:00 | 1.5 | 42.00  | 5.0 | 0.07715 |
| Z 4754.00:00:00 | 4755.00:00:00 | 1.5 | 44.00  | 5.0 | 0.07715 |
| Z 4755.00:00:00 | 4756.00:00:00 | 1.5 | 46.00  | 5.0 | 0.09919 |
| Z 4756.00:00:00 | 4757.00:00:00 | 1.5 | 48.00  | 5.0 | 0.09919 |
| Z 4757.00:00:00 | 4758.00:00:00 | 1.5 | 50.00  | 5.0 | 0.09919 |
| Z 4758.00:00:00 | 4759.00:00:00 | 1.5 | 52.00  | 5.0 | 0.09919 |
| Z 4759.00:00:00 | 4760.00:00:00 | 1.5 | 54.00  | 5.0 | 0.09919 |
| Z 4760.00:00:00 | 4761.00:00:00 | 1.5 | 56.00  | 5.0 | 0.05511 |
| Z 4761.00:00:00 | 4762.00:00:00 | 1.5 | 58.00  | 5.0 | 0.05511 |
| Z 4762.00:00:00 | 4763.00:00:00 | 1.5 | 60.00  | 5.0 | 0.05511 |
| Z 4763.00:00:00 | 4764.00:00:00 | 1.5 | 62.00  | 5.0 | 0.05511 |
| Z 4764.00:00:00 | 4765.00:00:00 | 1.5 | 64.00  | 5.0 | 0.05511 |
| Z 4765.00:00:00 | 4766.00:00:00 | 1.5 | 66.00  | 5.0 | 0.02204 |
| Z 4766.00:00:00 | 4767.00:00:00 | 1.5 | 68.00  | 5.0 | 0.02204 |
| Z 4767.00:00:00 | 4768.00:00:00 | 1.5 | 70.00  | 5.0 | 0.02204 |
| Z 4768.00:00:00 | 4769.00:00:00 | 1.5 | 72.00  | 5.0 | 0.02204 |
| Z 4769.00:00:00 | 4770.00:00:00 | 1.5 | 74.00  | 5.0 | 0.02204 |
| Z 4770.00:00:00 | 4771.00:00:00 | 1.5 | 76.00  | 5.0 | 0.11021 |
| Z 4771.00:00:00 | 4772.00:00:00 | 1.5 | 78.00  | 5.0 | 0.11021 |
| Z 4772.00:00:00 | 4773.00:00:00 | 1.5 | 80.00  | 5.0 | 0.11021 |
| Z 4773.00:00:00 | 4774.00:00:00 | 1.5 | 82.00  | 5.0 | 0.11021 |
| Z 4774.00:00:00 | 4775.00:00:00 | 1.5 | 84.00  | 5.0 | 0.11021 |
| Z 4775.00:00:00 | 4776.00:00:00 | 1.5 | 86.00  | 5.0 | 0.07715 |
| Z 4776.00:00:00 | 4777.00:00:00 | 1.5 | 88.00  | 5.0 | 0.07715 |
| Z 4777.00:00:00 | 4778.00:00:00 | 1.5 | 90.00  | 5.0 | 0.07715 |
| Z 4778.00:00:00 | 4779.00:00:00 | 1.5 | 92.00  | 5.0 | 0.07715 |
| Z 4779.00:00:00 | 4780.00:00:00 | 1.5 | 94.00  | 5.0 | 0.07715 |
| Z 4780.00:00:00 | 4781.00:00:00 | 1.5 | 96.00  | 5.0 | 0.06613 |

|                 |               |     |        |     |         |
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| Z 4781.00:00:00 | 4782.00:00:00 | 1.5 | 98.00  | 5.0 | 0.06613 |
| Z 4782.00:00:00 | 4783.00:00:00 | 1.5 | 100.00 | 5.0 | 0.06613 |
| Z 4783.00:00:00 | 4784.00:00:00 | 1.5 | 102.00 | 5.0 | 0.06613 |
| Z 4784.00:00:00 | 4785.00:00:00 | 1.5 | 104.00 | 5.0 | 0.06613 |
| Z 4785.00:00:00 | 4786.00:00:00 | 1.5 | 106.00 | 5.0 | 0.06613 |
| Z 4786.00:00:00 | 4787.00:00:00 | 1.5 | 108.00 | 5.0 | 0.06613 |
| Z 4787.00:00:00 | 4788.00:00:00 | 1.5 | 110.00 | 5.0 | 0.06613 |
| Z 4788.00:00:00 | 4789.00:00:00 | 1.5 | 112.00 | 5.0 | 0.06613 |
| Z 4789.00:00:00 | 4790.00:00:00 | 1.5 | 114.00 | 5.0 | 0.06613 |
| Z 4790.00:00:00 | 4791.00:00:00 | 1.5 | 116.00 | 5.0 | 0.08817 |
| Z 4791.00:00:00 | 4792.00:00:00 | 1.5 | 118.00 | 5.0 | 0.08817 |
| Z 4792.00:00:00 | 4793.00:00:00 | 1.5 | 120.00 | 5.0 | 0.08817 |
| Z 4793.00:00:00 | 4794.00:00:00 | 1.5 | 122.00 | 5.0 | 0.08817 |
| Z 4794.00:00:00 | 4795.00:00:00 | 1.5 | 124.00 | 5.0 | 0.08817 |
| Z 4795.00:00:00 | 4796.00:00:00 | 1.5 | 126.00 | 5.0 | 0.06613 |
| Z 4796.00:00:00 | 4797.00:00:00 | 1.5 | 128.00 | 5.0 | 0.06613 |
| Z 4797.00:00:00 | 4798.00:00:00 | 1.5 | 130.00 | 5.0 | 0.06613 |
| Z 4798.00:00:00 | 4799.00:00:00 | 1.5 | 132.00 | 5.0 | 0.06613 |
| Z 4799.00:00:00 | 4800.00:00:00 | 1.5 | 134.00 | 5.0 | 0.06613 |
| Z 4800.00:00:00 | 4801.00:00:00 | 1.5 | 136.00 | 5.0 | 0.12123 |
| Z 4801.00:00:00 | 4802.00:00:00 | 1.5 | 138.00 | 5.0 | 0.12123 |
| Z 4802.00:00:00 | 4803.00:00:00 | 1.5 | 140.00 | 5.0 | 0.12123 |
| Z 4803.00:00:00 | 4804.00:00:00 | 1.5 | 142.00 | 5.0 | 0.12123 |
| Z 4804.00:00:00 | 4805.00:00:00 | 1.5 | 144.00 | 5.0 | 0.12123 |
| Z 4805.00:00:00 | 4806.00:00:00 | 1.5 | 146.00 | 5.0 | 0.06613 |
| Z 4806.00:00:00 | 4807.00:00:00 | 1.5 | 148.00 | 5.0 | 0.06613 |
| Z 4807.00:00:00 | 4808.00:00:00 | 1.5 | 150.00 | 5.0 | 0.06613 |
| Z 4808.00:00:00 | 4809.00:00:00 | 1.5 | 152.00 | 5.0 | 0.06613 |
| Z 4809.00:00:00 | 4810.00:00:00 | 1.5 | 154.00 | 5.0 | 0.06613 |
| Z 4810.00:00:00 | 4811.00:00:00 | 1.5 | 156.00 | 5.0 | 0.07715 |
| Z 4811.00:00:00 | 4812.00:00:00 | 1.5 | 158.00 | 5.0 | 0.07715 |
| Z 4812.00:00:00 | 4813.00:00:00 | 1.5 | 160.00 | 5.0 | 0.07715 |
| Z 4813.00:00:00 | 4814.00:00:00 | 1.5 | 162.00 | 5.0 | 0.07715 |
| Z 4814.00:00:00 | 4815.00:00:00 | 1.5 | 164.00 | 5.0 | 0.07715 |
| Z 4815.00:00:00 | 4816.00:00:00 | 1.5 | 166.00 | 5.0 | 0.07715 |
| Z 4816.00:00:00 | 4817.00:00:00 | 1.5 | 168.00 | 5.0 | 0.07715 |
| Z 4817.00:00:00 | 4818.00:00:00 | 1.5 | 170.00 | 5.0 | 0.07715 |
| Z 4818.00:00:00 | 4819.00:00:00 | 1.5 | 172.00 | 5.0 | 0.07715 |
| Z 4819.00:00:00 | 4820.00:00:00 | 1.5 | 174.00 | 5.0 | 0.07715 |
| Z 4820.00:00:00 | 4821.00:00:00 | 1.5 | 176.00 | 5.0 | 0.02204 |
| Z 4821.00:00:00 | 4822.00:00:00 | 1.5 | 178.00 | 5.0 | 0.02204 |
| Z 4822.00:00:00 | 4823.00:00:00 | 1.5 | 180.00 | 5.0 | 0.02204 |
| Z 4823.00:00:00 | 4824.00:00:00 | 1.5 | 182.00 | 5.0 | 0.02204 |
| Z 4824.00:00:00 | 4825.00:00:00 | 1.5 | 184.00 | 5.0 | 0.02204 |
| Z 4825.00:00:00 | 4826.00:00:00 | 1.5 | 186.00 | 5.0 | 0.02204 |
| Z 4826.00:00:00 | 4827.00:00:00 | 1.5 | 188.00 | 5.0 | 0.02204 |
| Z 4827.00:00:00 | 4828.00:00:00 | 1.5 | 190.00 | 5.0 | 0.02204 |
| Z 4828.00:00:00 | 4829.00:00:00 | 1.5 | 192.00 | 5.0 | 0.02204 |
| Z 4829.00:00:00 | 4830.00:00:00 | 1.5 | 194.00 | 5.0 | 0.02204 |
| Z 4830.00:00:00 | 4831.00:00:00 | 1.5 | 196.00 | 5.0 | 0.02204 |
| Z 4831.00:00:00 | 4832.00:00:00 | 1.5 | 198.00 | 5.0 | 0.02204 |
| Z 4832.00:00:00 | 4833.00:00:00 | 1.5 | 200.00 | 5.0 | 0.02204 |
| Z 4833.00:00:00 | 4834.00:00:00 | 1.5 | 202.00 | 5.0 | 0.02204 |
| Z 4834.00:00:00 | 4835.00:00:00 | 1.5 | 204.00 | 5.0 | 0.02204 |
| Z 4835.00:00:00 | 4836.00:00:00 | 1.5 | 206.00 | 5.0 | 0.03306 |
| Z 4836.00:00:00 | 4837.00:00:00 | 1.5 | 208.00 | 5.0 | 0.03306 |
| Z 4837.00:00:00 | 4838.00:00:00 | 1.5 | 210.00 | 5.0 | 0.03306 |
| Z 4838.00:00:00 | 4839.00:00:00 | 1.5 | 212.00 | 5.0 | 0.03306 |
| Z 4839.00:00:00 | 4840.00:00:00 | 1.5 | 214.00 | 5.0 | 0.03306 |
| Z 4840.00:00:00 | 4841.00:00:00 | 1.5 | 216.00 | 5.0 | 0.06613 |
| Z 4841.00:00:00 | 4842.00:00:00 | 1.5 | 218.00 | 5.0 | 0.06613 |

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| Z 4842.00:00:00 | 4843.00:00:00 | 1.5 | 220.00 | 5.0 | 0.06613 |
| Z 4843.00:00:00 | 4844.00:00:00 | 1.5 | 222.00 | 5.0 | 0.06613 |
| Z 4844.00:00:00 | 4845.00:00:00 | 1.5 | 224.00 | 5.0 | 0.06613 |
| Z 4845.00:00:00 | 4846.00:00:00 | 1.5 | 236.00 | 5.0 | 0.07715 |
| Z 4846.00:00:00 | 4847.00:00:00 | 1.5 | 238.00 | 5.0 | 0.07715 |
| Z 4847.00:00:00 | 4848.00:00:00 | 1.5 | 240.00 | 5.0 | 0.07715 |
| Z 4848.00:00:00 | 4849.00:00:00 | 1.5 | 242.00 | 5.0 | 0.07715 |
| Z 4849.00:00:00 | 4850.00:00:00 | 1.5 | 244.00 | 5.0 | 0.07715 |
| Z 4850.00:00:00 | 4851.00:00:00 | 1.5 | 246.00 | 5.0 | 0.01102 |
| Z 4851.00:00:00 | 4852.00:00:00 | 1.5 | 248.00 | 5.0 | 0.01102 |
| Z 4852.00:00:00 | 4853.00:00:00 | 1.5 | 250.00 | 5.0 | 0.01102 |
| Z 4853.00:00:00 | 4854.00:00:00 | 1.5 | 252.00 | 5.0 | 0.01102 |
| Z 4854.00:00:00 | 4855.00:00:00 | 1.5 | 254.00 | 5.0 | 0.01102 |
| Z 4855.00:00:00 | 4856.00:00:00 | 1.5 | 256.00 | 5.0 | 0.05511 |
| Z 4856.00:00:00 | 4857.00:00:00 | 1.5 | 258.00 | 5.0 | 0.05511 |
| Z 4857.00:00:00 | 4858.00:00:00 | 1.5 | 260.00 | 5.0 | 0.05511 |
| Z 4858.00:00:00 | 4859.00:00:00 | 1.5 | 262.00 | 5.0 | 0.05511 |
| Z 4859.00:00:00 | 4860.00:00:00 | 1.5 | 264.00 | 5.0 | 0.05511 |
| Z 4860.00:00:00 | 4861.00:00:00 | 1.5 | 266.00 | 5.0 | 0.08817 |
| Z 4861.00:00:00 | 4862.00:00:00 | 1.5 | 268.00 | 5.0 | 0.08817 |
| Z 4862.00:00:00 | 4863.00:00:00 | 1.5 | 270.00 | 5.0 | 0.08817 |
| Z 4863.00:00:00 | 4864.00:00:00 | 1.5 | 272.00 | 5.0 | 0.08817 |
| Z 4864.00:00:00 | 4865.00:00:00 | 1.5 | 274.00 | 5.0 | 0.08817 |
| Z 4865.00:00:00 | 4866.00:00:00 | 1.5 | 276.00 | 5.0 | 0.09919 |
| Z 4866.00:00:00 | 4867.00:00:00 | 1.5 | 278.00 | 5.0 | 0.09919 |
| Z 4867.00:00:00 | 4868.00:00:00 | 1.5 | 280.00 | 5.0 | 0.09919 |
| Z 4868.00:00:00 | 4869.00:00:00 | 1.5 | 282.00 | 5.0 | 0.09919 |
| Z 4869.00:00:00 | 4870.00:00:00 | 1.5 | 284.00 | 5.0 | 0.09919 |
| Z 4870.00:00:00 | 4871.00:00:00 | 1.5 | 286.00 | 5.0 | 0.07715 |
| Z 4871.00:00:00 | 4872.00:00:00 | 1.5 | 288.00 | 5.0 | 0.07715 |
| Z 4872.00:00:00 | 4873.00:00:00 | 1.5 | 290.00 | 5.0 | 0.07715 |
| Z 4873.00:00:00 | 4874.00:00:00 | 1.5 | 292.00 | 5.0 | 0.07715 |
| Z 4874.00:00:00 | 4875.00:00:00 | 1.5 | 294.00 | 5.0 | 0.07715 |
| Z 4875.00:00:00 | 4876.00:00:00 | 1.5 | 296.00 | 5.0 | 0.12123 |
| Z 4876.00:00:00 | 4877.00:00:00 | 1.5 | 298.00 | 5.0 | 0.12123 |
| Z 4877.00:00:00 | 4878.00:00:00 | 1.5 | 300.00 | 5.0 | 0.12123 |
| Z 4878.00:00:00 | 4879.00:00:00 | 1.5 | 302.00 | 5.0 | 0.12123 |
| Z 4879.00:00:00 | 4880.00:00:00 | 1.5 | 304.00 | 5.0 | 0.12123 |
| Z 4880.00:00:00 | 4881.00:00:00 | 1.5 | 306.00 | 5.0 | 0.07715 |
| Z 4881.00:00:00 | 4882.00:00:00 | 1.5 | 308.00 | 5.0 | 0.07715 |
| Z 4882.00:00:00 | 4883.00:00:00 | 1.5 | 310.00 | 5.0 | 0.07715 |
| Z 4883.00:00:00 | 4884.00:00:00 | 1.5 | 312.00 | 5.0 | 0.07715 |
| Z 4884.00:00:00 | 4885.00:00:00 | 1.5 | 314.00 | 5.0 | 0.07715 |
| Z 4885.00:00:00 | 4886.00:00:00 | 1.5 | 316.00 | 5.0 | 0.09919 |
| Z 4886.00:00:00 | 4887.00:00:00 | 1.5 | 318.00 | 5.0 | 0.09919 |
| Z 4887.00:00:00 | 4888.00:00:00 | 1.5 | 320.00 | 5.0 | 0.09919 |
| Z 4888.00:00:00 | 4889.00:00:00 | 1.5 | 322.00 | 5.0 | 0.09919 |
| Z 4889.00:00:00 | 4890.00:00:00 | 1.5 | 324.00 | 5.0 | 0.09919 |
| Z 4890.00:00:00 | 4891.00:00:00 | 1.5 | 326.00 | 5.0 | 0.08817 |
| Z 4891.00:00:00 | 4892.00:00:00 | 1.5 | 328.00 | 5.0 | 0.08817 |
| Z 4892.00:00:00 | 4893.00:00:00 | 1.5 | 330.00 | 5.0 | 0.08817 |
| Z 4893.00:00:00 | 4894.00:00:00 | 1.5 | 332.00 | 5.0 | 0.08817 |
| Z 4894.00:00:00 | 4895.00:00:00 | 1.5 | 334.00 | 5.0 | 0.08817 |
| Z 4895.00:00:00 | 4896.00:00:00 | 1.5 | 336.00 | 5.0 | 0.09919 |
| Z 4896.00:00:00 | 4897.00:00:00 | 1.5 | 338.00 | 5.0 | 0.09919 |
| Z 4897.00:00:00 | 4898.00:00:00 | 1.5 | 340.00 | 5.0 | 0.09919 |
| Z 4898.00:00:00 | 4899.00:00:00 | 1.5 | 342.00 | 5.0 | 0.09919 |
| Z 4899.00:00:00 | 4900.00:00:00 | 1.5 | 344.00 | 5.0 | 0.09919 |
| Z 4900.00:00:00 | 4901.00:00:00 | 1.5 | 346.00 | 5.0 | 0.07715 |
| Z 4901.00:00:00 | 4902.00:00:00 | 1.5 | 348.00 | 5.0 | 0.07715 |
| Z 4902.00:00:00 | 4903.00:00:00 | 1.5 | 350.00 | 5.0 | 0.07715 |

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| Z 4903.00:00:00 | 4904.00:00:00 | 1.5 | 352.00 | 5.0 | 0.07715 |
| Z 4904.00:00:00 | 4905.00:00:00 | 1.5 | 354.00 | 5.0 | 0.07715 |
| Z 4905.00:00:00 | 4906.00:00:00 | 1.5 | 356.00 | 5.0 | 0.07715 |
| Z 4906.00:00:00 | 4907.00:00:00 | 1.5 | 358.00 | 5.0 | 0.07715 |
| Z 4907.00:00:00 | 4908.00:00:00 | 1.5 | 360.00 | 5.0 | 0.07715 |
| Z 4908.00:00:00 | 4909.00:00:00 | 1.5 | 362.00 | 5.0 | 0.07715 |
| Z 4909.00:00:00 | 4910.00:00:00 | 1.5 | 364.00 | 5.0 | 0.07715 |
| Z 4910.00:00:00 | 4911.00:00:00 | 2.0 | 6.00   | 5.0 | 0.09919 |
| Z 4911.00:00:00 | 4912.00:00:00 | 2.0 | 8.00   | 5.0 | 0.09919 |
| Z 4912.00:00:00 | 4913.00:00:00 | 2.0 | 10.00  | 5.0 | 0.09919 |
| Z 4913.00:00:00 | 4914.00:00:00 | 2.0 | 12.00  | 5.0 | 0.09919 |
| Z 4914.00:00:00 | 4915.00:00:00 | 2.0 | 14.00  | 5.0 | 0.09919 |
| Z 4915.00:00:00 | 4916.00:00:00 | 2.0 | 16.00  | 5.0 | 0.07715 |
| Z 4916.00:00:00 | 4917.00:00:00 | 2.0 | 18.00  | 5.0 | 0.07715 |
| Z 4917.00:00:00 | 4918.00:00:00 | 2.0 | 20.00  | 5.0 | 0.07715 |
| Z 4918.00:00:00 | 4919.00:00:00 | 2.0 | 22.00  | 5.0 | 0.07715 |
| Z 4919.00:00:00 | 4920.00:00:00 | 2.0 | 24.00  | 5.0 | 0.07715 |
| Z 4920.00:00:00 | 4921.00:00:00 | 2.0 | 26.00  | 5.0 | 0.03306 |
| Z 4921.00:00:00 | 4922.00:00:00 | 2.0 | 28.00  | 5.0 | 0.03306 |
| Z 4922.00:00:00 | 4923.00:00:00 | 2.0 | 30.00  | 5.0 | 0.03306 |
| Z 4923.00:00:00 | 4924.00:00:00 | 2.0 | 32.00  | 5.0 | 0.03306 |
| Z 4924.00:00:00 | 4925.00:00:00 | 2.0 | 34.00  | 5.0 | 0.03306 |
| Z 4925.00:00:00 | 4926.00:00:00 | 2.0 | 36.00  | 5.0 | 0.11021 |
| Z 4926.00:00:00 | 4927.00:00:00 | 2.0 | 38.00  | 5.0 | 0.11021 |
| Z 4927.00:00:00 | 4928.00:00:00 | 2.0 | 40.00  | 5.0 | 0.11021 |
| Z 4928.00:00:00 | 4929.00:00:00 | 2.0 | 42.00  | 5.0 | 0.11021 |
| Z 4929.00:00:00 | 4930.00:00:00 | 2.0 | 44.00  | 5.0 | 0.11021 |
| Z 4930.00:00:00 | 4931.00:00:00 | 2.0 | 46.00  | 5.0 | 0.05511 |
| Z 4931.00:00:00 | 4932.00:00:00 | 2.0 | 48.00  | 5.0 | 0.05511 |
| Z 4932.00:00:00 | 4933.00:00:00 | 2.0 | 50.00  | 5.0 | 0.05511 |
| Z 4933.00:00:00 | 4934.00:00:00 | 2.0 | 52.00  | 5.0 | 0.05511 |
| Z 4934.00:00:00 | 4935.00:00:00 | 2.0 | 54.00  | 5.0 | 0.05511 |
| Z 4935.00:00:00 | 4936.00:00:00 | 2.0 | 56.00  | 5.0 | 0.02204 |
| Z 4936.00:00:00 | 4937.00:00:00 | 2.0 | 58.00  | 5.0 | 0.02204 |
| Z 4937.00:00:00 | 4938.00:00:00 | 2.0 | 60.00  | 5.0 | 0.02204 |
| Z 4938.00:00:00 | 4939.00:00:00 | 2.0 | 62.00  | 5.0 | 0.02204 |
| Z 4939.00:00:00 | 4940.00:00:00 | 2.0 | 64.00  | 5.0 | 0.02204 |
| Z 4940.00:00:00 | 4941.00:00:00 | 2.0 | 66.00  | 5.0 | 0.14328 |
| Z 4941.00:00:00 | 4942.00:00:00 | 2.0 | 68.00  | 5.0 | 0.14328 |
| Z 4942.00:00:00 | 4943.00:00:00 | 2.0 | 70.00  | 5.0 | 0.14328 |
| Z 4943.00:00:00 | 4944.00:00:00 | 2.0 | 72.00  | 5.0 | 0.14328 |
| Z 4944.00:00:00 | 4945.00:00:00 | 2.0 | 74.00  | 5.0 | 0.14328 |
| Z 4945.00:00:00 | 4946.00:00:00 | 2.0 | 76.00  | 5.0 | 0.11021 |
| Z 4946.00:00:00 | 4947.00:00:00 | 2.0 | 78.00  | 5.0 | 0.11021 |
| Z 4947.00:00:00 | 4948.00:00:00 | 2.0 | 80.00  | 5.0 | 0.11021 |
| Z 4948.00:00:00 | 4949.00:00:00 | 2.0 | 82.00  | 5.0 | 0.11021 |
| Z 4949.00:00:00 | 4950.00:00:00 | 2.0 | 84.00  | 5.0 | 0.11021 |
| Z 4950.00:00:00 | 4951.00:00:00 | 2.0 | 86.00  | 5.0 | 0.16532 |
| Z 4951.00:00:00 | 4952.00:00:00 | 2.0 | 88.00  | 5.0 | 0.16532 |
| Z 4952.00:00:00 | 4953.00:00:00 | 2.0 | 90.00  | 5.0 | 0.16532 |
| Z 4953.00:00:00 | 4954.00:00:00 | 2.0 | 92.00  | 5.0 | 0.16532 |
| Z 4954.00:00:00 | 4955.00:00:00 | 2.0 | 94.00  | 5.0 | 0.16532 |
| Z 4955.00:00:00 | 4956.00:00:00 | 2.0 | 96.00  | 5.0 | 0.18736 |
| Z 4956.00:00:00 | 4957.00:00:00 | 2.0 | 98.00  | 5.0 | 0.18736 |
| Z 4957.00:00:00 | 4958.00:00:00 | 2.0 | 100.00 | 5.0 | 0.18736 |
| Z 4958.00:00:00 | 4959.00:00:00 | 2.0 | 102.00 | 5.0 | 0.18736 |
| Z 4959.00:00:00 | 4960.00:00:00 | 2.0 | 104.00 | 5.0 | 0.18736 |
| Z 4960.00:00:00 | 4961.00:00:00 | 2.0 | 106.00 | 5.0 | 0.16532 |
| Z 4961.00:00:00 | 4962.00:00:00 | 2.0 | 108.00 | 5.0 | 0.16532 |
| Z 4962.00:00:00 | 4963.00:00:00 | 2.0 | 110.00 | 5.0 | 0.16532 |
| Z 4963.00:00:00 | 4964.00:00:00 | 2.0 | 112.00 | 5.0 | 0.16532 |

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| Z 4964.00:00:00 | 4965.00:00:00 | 2.0 | 114.00 | 5.0 | 0.16532 |
| Z 4965.00:00:00 | 4966.00:00:00 | 2.0 | 116.00 | 5.0 | 0.11021 |
| Z 4966.00:00:00 | 4967.00:00:00 | 2.0 | 118.00 | 5.0 | 0.11021 |
| Z 4967.00:00:00 | 4968.00:00:00 | 2.0 | 120.00 | 5.0 | 0.11021 |
| Z 4968.00:00:00 | 4969.00:00:00 | 2.0 | 122.00 | 5.0 | 0.11021 |
| Z 4969.00:00:00 | 4970.00:00:00 | 2.0 | 124.00 | 5.0 | 0.11021 |
| Z 4970.00:00:00 | 4971.00:00:00 | 2.0 | 126.00 | 5.0 | 0.18736 |
| Z 4971.00:00:00 | 4972.00:00:00 | 2.0 | 128.00 | 5.0 | 0.18736 |
| Z 4972.00:00:00 | 4973.00:00:00 | 2.0 | 130.00 | 5.0 | 0.18736 |
| Z 4973.00:00:00 | 4974.00:00:00 | 2.0 | 132.00 | 5.0 | 0.18736 |
| Z 4974.00:00:00 | 4975.00:00:00 | 2.0 | 134.00 | 5.0 | 0.18736 |
| Z 4975.00:00:00 | 4976.00:00:00 | 2.0 | 136.00 | 5.0 | 0.08817 |
| Z 4976.00:00:00 | 4977.00:00:00 | 2.0 | 138.00 | 5.0 | 0.08817 |
| Z 4977.00:00:00 | 4978.00:00:00 | 2.0 | 140.00 | 5.0 | 0.08817 |
| Z 4978.00:00:00 | 4979.00:00:00 | 2.0 | 142.00 | 5.0 | 0.08817 |
| Z 4979.00:00:00 | 4980.00:00:00 | 2.0 | 144.00 | 5.0 | 0.08817 |
| Z 4980.00:00:00 | 4981.00:00:00 | 2.0 | 146.00 | 5.0 | 0.12123 |
| Z 4981.00:00:00 | 4982.00:00:00 | 2.0 | 148.00 | 5.0 | 0.12123 |
| Z 4982.00:00:00 | 4983.00:00:00 | 2.0 | 150.00 | 5.0 | 0.12123 |
| Z 4983.00:00:00 | 4984.00:00:00 | 2.0 | 152.00 | 5.0 | 0.12123 |
| Z 4984.00:00:00 | 4985.00:00:00 | 2.0 | 154.00 | 5.0 | 0.12123 |
| Z 4985.00:00:00 | 4986.00:00:00 | 2.0 | 156.00 | 5.0 | 0.02204 |
| Z 4986.00:00:00 | 4987.00:00:00 | 2.0 | 158.00 | 5.0 | 0.02204 |
| Z 4987.00:00:00 | 4988.00:00:00 | 2.0 | 160.00 | 5.0 | 0.02204 |
| Z 4988.00:00:00 | 4989.00:00:00 | 2.0 | 162.00 | 5.0 | 0.02204 |
| Z 4989.00:00:00 | 4990.00:00:00 | 2.0 | 164.00 | 5.0 | 0.02204 |
| Z 4990.00:00:00 | 4991.00:00:00 | 2.0 | 166.00 | 5.0 | 0.11021 |
| Z 4991.00:00:00 | 4992.00:00:00 | 2.0 | 168.00 | 5.0 | 0.11021 |
| Z 4992.00:00:00 | 4993.00:00:00 | 2.0 | 170.00 | 5.0 | 0.11021 |
| Z 4993.00:00:00 | 4994.00:00:00 | 2.0 | 172.00 | 5.0 | 0.11021 |
| Z 4994.00:00:00 | 4995.00:00:00 | 2.0 | 174.00 | 5.0 | 0.11021 |
| Z 4995.00:00:00 | 4996.00:00:00 | 2.0 | 176.00 | 5.0 | 0.14328 |
| Z 4996.00:00:00 | 4997.00:00:00 | 2.0 | 178.00 | 5.0 | 0.14328 |
| Z 4997.00:00:00 | 4998.00:00:00 | 2.0 | 180.00 | 5.0 | 0.14328 |
| Z 4998.00:00:00 | 4999.00:00:00 | 2.0 | 182.00 | 5.0 | 0.14328 |
| Z 4999.00:00:00 | 5000.00:00:00 | 2.0 | 184.00 | 5.0 | 0.14328 |
| Z 5000.00:00:00 | 5001.00:00:00 | 2.0 | 186.00 | 5.0 | 0.07715 |
| Z 5001.00:00:00 | 5002.00:00:00 | 2.0 | 188.00 | 5.0 | 0.07715 |
| Z 5002.00:00:00 | 5003.00:00:00 | 2.0 | 190.00 | 5.0 | 0.07715 |
| Z 5003.00:00:00 | 5004.00:00:00 | 2.0 | 192.00 | 5.0 | 0.07715 |
| Z 5004.00:00:00 | 5005.00:00:00 | 2.0 | 194.00 | 5.0 | 0.07715 |
| Z 5005.00:00:00 | 5006.00:00:00 | 2.0 | 196.00 | 5.0 | 0.03306 |
| Z 5006.00:00:00 | 5007.00:00:00 | 2.0 | 198.00 | 5.0 | 0.03306 |
| Z 5007.00:00:00 | 5008.00:00:00 | 2.0 | 200.00 | 5.0 | 0.03306 |
| Z 5008.00:00:00 | 5009.00:00:00 | 2.0 | 202.00 | 5.0 | 0.03306 |
| Z 5009.00:00:00 | 5010.00:00:00 | 2.0 | 204.00 | 5.0 | 0.03306 |
| Z 5010.00:00:00 | 5011.00:00:00 | 2.0 | 206.00 | 5.0 | 0.05511 |
| Z 5011.00:00:00 | 5012.00:00:00 | 2.0 | 208.00 | 5.0 | 0.05511 |
| Z 5012.00:00:00 | 5013.00:00:00 | 2.0 | 210.00 | 5.0 | 0.05511 |
| Z 5013.00:00:00 | 5014.00:00:00 | 2.0 | 212.00 | 5.0 | 0.05511 |
| Z 5014.00:00:00 | 5015.00:00:00 | 2.0 | 214.00 | 5.0 | 0.05511 |
| Z 5015.00:00:00 | 5016.00:00:00 | 2.0 | 216.00 | 5.0 | 0.01102 |
| Z 5016.00:00:00 | 5017.00:00:00 | 2.0 | 218.00 | 5.0 | 0.01102 |
| Z 5017.00:00:00 | 5018.00:00:00 | 2.0 | 220.00 | 5.0 | 0.01102 |
| Z 5018.00:00:00 | 5019.00:00:00 | 2.0 | 222.00 | 5.0 | 0.01102 |
| Z 5019.00:00:00 | 5020.00:00:00 | 2.0 | 224.00 | 5.0 | 0.01102 |
| Z 5020.00:00:00 | 5021.00:00:00 | 2.0 | 226.00 | 5.0 | 0.03306 |
| Z 5021.00:00:00 | 5022.00:00:00 | 2.0 | 228.00 | 5.0 | 0.03306 |
| Z 5022.00:00:00 | 5023.00:00:00 | 2.0 | 230.00 | 5.0 | 0.03306 |
| Z 5023.00:00:00 | 5024.00:00:00 | 2.0 | 232.00 | 5.0 | 0.03306 |
| Z 5024.00:00:00 | 5025.00:00:00 | 2.0 | 234.00 | 5.0 | 0.03306 |

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| Z 5025.00:00:00 | 5026.00:00:00 | 2.0 | 236.00 | 5.0 | 0.07715 |
| Z 5026.00:00:00 | 5027.00:00:00 | 2.0 | 238.00 | 5.0 | 0.07715 |
| Z 5027.00:00:00 | 5028.00:00:00 | 2.0 | 240.00 | 5.0 | 0.07715 |
| Z 5028.00:00:00 | 5029.00:00:00 | 2.0 | 242.00 | 5.0 | 0.07715 |
| Z 5029.00:00:00 | 5030.00:00:00 | 2.0 | 244.00 | 5.0 | 0.07715 |
| Z 5030.00:00:00 | 5031.00:00:00 | 2.0 | 246.00 | 5.0 | 0.02204 |
| Z 5031.00:00:00 | 5032.00:00:00 | 2.0 | 248.00 | 5.0 | 0.02204 |
| Z 5032.00:00:00 | 5033.00:00:00 | 2.0 | 250.00 | 5.0 | 0.02204 |
| Z 5033.00:00:00 | 5034.00:00:00 | 2.0 | 252.00 | 5.0 | 0.02204 |
| Z 5034.00:00:00 | 5035.00:00:00 | 2.0 | 254.00 | 5.0 | 0.02204 |
| Z 5035.00:00:00 | 5036.00:00:00 | 2.0 | 256.00 | 5.0 | 0.06613 |
| Z 5036.00:00:00 | 5037.00:00:00 | 2.0 | 258.00 | 5.0 | 0.06613 |
| Z 5037.00:00:00 | 5038.00:00:00 | 2.0 | 260.00 | 5.0 | 0.06613 |
| Z 5038.00:00:00 | 5039.00:00:00 | 2.0 | 262.00 | 5.0 | 0.06613 |
| Z 5039.00:00:00 | 5040.00:00:00 | 2.0 | 264.00 | 5.0 | 0.06613 |
| Z 5040.00:00:00 | 5041.00:00:00 | 2.0 | 266.00 | 5.0 | 0.07715 |
| Z 5041.00:00:00 | 5042.00:00:00 | 2.0 | 268.00 | 5.0 | 0.07715 |
| Z 5042.00:00:00 | 5043.00:00:00 | 2.0 | 270.00 | 5.0 | 0.07715 |
| Z 5043.00:00:00 | 5044.00:00:00 | 2.0 | 272.00 | 5.0 | 0.07715 |
| Z 5044.00:00:00 | 5045.00:00:00 | 2.0 | 274.00 | 5.0 | 0.07715 |
| Z 5045.00:00:00 | 5046.00:00:00 | 2.0 | 276.00 | 5.0 | 0.12123 |
| Z 5046.00:00:00 | 5047.00:00:00 | 2.0 | 278.00 | 5.0 | 0.12123 |
| Z 5047.00:00:00 | 5048.00:00:00 | 2.0 | 280.00 | 5.0 | 0.12123 |
| Z 5048.00:00:00 | 5049.00:00:00 | 2.0 | 282.00 | 5.0 | 0.12123 |
| Z 5049.00:00:00 | 5050.00:00:00 | 2.0 | 284.00 | 5.0 | 0.12123 |
| Z 5050.00:00:00 | 5051.00:00:00 | 2.0 | 286.00 | 5.0 | 0.08817 |
| Z 5051.00:00:00 | 5052.00:00:00 | 2.0 | 288.00 | 5.0 | 0.08817 |
| Z 5052.00:00:00 | 5053.00:00:00 | 2.0 | 290.00 | 5.0 | 0.08817 |
| Z 5053.00:00:00 | 5054.00:00:00 | 2.0 | 292.00 | 5.0 | 0.08817 |
| Z 5054.00:00:00 | 5055.00:00:00 | 2.0 | 294.00 | 5.0 | 0.08817 |
| Z 5055.00:00:00 | 5056.00:00:00 | 2.0 | 296.00 | 5.0 | 0.12123 |
| Z 5056.00:00:00 | 5057.00:00:00 | 2.0 | 298.00 | 5.0 | 0.12123 |
| Z 5057.00:00:00 | 5058.00:00:00 | 2.0 | 300.00 | 5.0 | 0.12123 |
| Z 5058.00:00:00 | 5059.00:00:00 | 2.0 | 302.00 | 5.0 | 0.12123 |
| Z 5059.00:00:00 | 5060.00:00:00 | 2.0 | 304.00 | 5.0 | 0.12123 |
| Z 5060.00:00:00 | 5061.00:00:00 | 2.0 | 306.00 | 5.0 | 0.15430 |
| Z 5061.00:00:00 | 5062.00:00:00 | 2.0 | 308.00 | 5.0 | 0.15430 |
| Z 5062.00:00:00 | 5063.00:00:00 | 2.0 | 310.00 | 5.0 | 0.15430 |
| Z 5063.00:00:00 | 5064.00:00:00 | 2.0 | 312.00 | 5.0 | 0.15430 |
| Z 5064.00:00:00 | 5065.00:00:00 | 2.0 | 314.00 | 5.0 | 0.15430 |
| Z 5065.00:00:00 | 5066.00:00:00 | 2.0 | 316.00 | 5.0 | 0.14328 |
| Z 5066.00:00:00 | 5067.00:00:00 | 2.0 | 318.00 | 5.0 | 0.14328 |
| Z 5067.00:00:00 | 5068.00:00:00 | 2.0 | 320.00 | 5.0 | 0.14328 |
| Z 5068.00:00:00 | 5069.00:00:00 | 2.0 | 322.00 | 5.0 | 0.14328 |
| Z 5069.00:00:00 | 5070.00:00:00 | 2.0 | 324.00 | 5.0 | 0.14328 |
| Z 5070.00:00:00 | 5071.00:00:00 | 2.0 | 326.00 | 5.0 | 0.07715 |
| Z 5071.00:00:00 | 5072.00:00:00 | 2.0 | 328.00 | 5.0 | 0.07715 |
| Z 5072.00:00:00 | 5073.00:00:00 | 2.0 | 330.00 | 5.0 | 0.07715 |
| Z 5073.00:00:00 | 5074.00:00:00 | 2.0 | 332.00 | 5.0 | 0.07715 |
| Z 5074.00:00:00 | 5075.00:00:00 | 2.0 | 334.00 | 5.0 | 0.07715 |
| Z 5075.00:00:00 | 5076.00:00:00 | 2.0 | 336.00 | 5.0 | 0.03306 |
| Z 5076.00:00:00 | 5077.00:00:00 | 2.0 | 338.00 | 5.0 | 0.03306 |
| Z 5077.00:00:00 | 5078.00:00:00 | 2.0 | 340.00 | 5.0 | 0.03306 |
| Z 5078.00:00:00 | 5079.00:00:00 | 2.0 | 342.00 | 5.0 | 0.03306 |
| Z 5079.00:00:00 | 5080.00:00:00 | 2.0 | 344.00 | 5.0 | 0.03306 |
| Z 5080.00:00:00 | 5081.00:00:00 | 2.0 | 346.00 | 5.0 | 0.03306 |
| Z 5081.00:00:00 | 5082.00:00:00 | 2.0 | 348.00 | 5.0 | 0.03306 |
| Z 5082.00:00:00 | 5083.00:00:00 | 2.0 | 350.00 | 5.0 | 0.03306 |
| Z 5083.00:00:00 | 5084.00:00:00 | 2.0 | 352.00 | 5.0 | 0.03306 |
| Z 5084.00:00:00 | 5085.00:00:00 | 2.0 | 354.00 | 5.0 | 0.03306 |
| Z 5085.00:00:00 | 5086.00:00:00 | 2.0 | 356.00 | 5.0 | 0.06613 |

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| Z 5086.00:00:00 | 5087.00:00:00 | 2.0 | 358.00 | 5.0 | 0.06613 |
| Z 5087.00:00:00 | 5088.00:00:00 | 2.0 | 360.00 | 5.0 | 0.06613 |
| Z 5088.00:00:00 | 5089.00:00:00 | 2.0 | 362.00 | 5.0 | 0.06613 |
| Z 5089.00:00:00 | 5090.00:00:00 | 2.0 | 364.00 | 5.0 | 0.06613 |
| Z 5090.00:00:00 | 5091.00:00:00 | 3.0 | 6.00   | 5.0 | 0.09919 |
| Z 5091.00:00:00 | 5092.00:00:00 | 3.0 | 8.00   | 5.0 | 0.09919 |
| Z 5092.00:00:00 | 5093.00:00:00 | 3.0 | 10.00  | 5.0 | 0.09919 |
| Z 5093.00:00:00 | 5094.00:00:00 | 3.0 | 12.00  | 5.0 | 0.09919 |
| Z 5094.00:00:00 | 5095.00:00:00 | 3.0 | 14.00  | 5.0 | 0.09919 |
| Z 5095.00:00:00 | 5096.00:00:00 | 3.0 | 16.00  | 5.0 | 0.06613 |
| Z 5096.00:00:00 | 5097.00:00:00 | 3.0 | 18.00  | 5.0 | 0.06613 |
| Z 5097.00:00:00 | 5098.00:00:00 | 3.0 | 20.00  | 5.0 | 0.06613 |
| Z 5098.00:00:00 | 5099.00:00:00 | 3.0 | 22.00  | 5.0 | 0.06613 |
| Z 5099.00:00:00 | 5100.00:00:00 | 3.0 | 24.00  | 5.0 | 0.06613 |
| Z 5100.00:00:00 | 5101.00:00:00 | 3.0 | 26.00  | 5.0 | 0.07715 |
| Z 5101.00:00:00 | 5102.00:00:00 | 3.0 | 28.00  | 5.0 | 0.07715 |
| Z 5102.00:00:00 | 5103.00:00:00 | 3.0 | 30.00  | 5.0 | 0.07715 |
| Z 5103.00:00:00 | 5104.00:00:00 | 3.0 | 32.00  | 5.0 | 0.07715 |
| Z 5104.00:00:00 | 5105.00:00:00 | 3.0 | 34.00  | 5.0 | 0.07715 |
| Z 5105.00:00:00 | 5106.00:00:00 | 3.0 | 36.00  | 5.0 | 0.17634 |
| Z 5106.00:00:00 | 5107.00:00:00 | 3.0 | 38.00  | 5.0 | 0.17634 |
| Z 5107.00:00:00 | 5108.00:00:00 | 3.0 | 40.00  | 5.0 | 0.17634 |
| Z 5108.00:00:00 | 5109.00:00:00 | 3.0 | 42.00  | 5.0 | 0.17634 |
| Z 5109.00:00:00 | 5110.00:00:00 | 3.0 | 44.00  | 5.0 | 0.17634 |
| Z 5110.00:00:00 | 5111.00:00:00 | 3.0 | 46.00  | 5.0 | 0.23145 |
| Z 5111.00:00:00 | 5112.00:00:00 | 3.0 | 48.00  | 5.0 | 0.23145 |
| Z 5112.00:00:00 | 5113.00:00:00 | 3.0 | 50.00  | 5.0 | 0.23145 |
| Z 5113.00:00:00 | 5114.00:00:00 | 3.0 | 52.00  | 5.0 | 0.23145 |
| Z 5114.00:00:00 | 5115.00:00:00 | 3.0 | 54.00  | 5.0 | 0.23145 |
| Z 5115.00:00:00 | 5116.00:00:00 | 3.0 | 56.00  | 5.0 | 0.23145 |
| Z 5116.00:00:00 | 5117.00:00:00 | 3.0 | 58.00  | 5.0 | 0.23145 |
| Z 5117.00:00:00 | 5118.00:00:00 | 3.0 | 60.00  | 5.0 | 0.23145 |
| Z 5118.00:00:00 | 5119.00:00:00 | 3.0 | 62.00  | 5.0 | 0.23145 |
| Z 5119.00:00:00 | 5120.00:00:00 | 3.0 | 64.00  | 5.0 | 0.23145 |
| Z 5120.00:00:00 | 5121.00:00:00 | 3.0 | 66.00  | 5.0 | 0.20940 |
| Z 5121.00:00:00 | 5122.00:00:00 | 3.0 | 68.00  | 5.0 | 0.20940 |
| Z 5122.00:00:00 | 5123.00:00:00 | 3.0 | 70.00  | 5.0 | 0.20940 |
| Z 5123.00:00:00 | 5124.00:00:00 | 3.0 | 72.00  | 5.0 | 0.20940 |
| Z 5124.00:00:00 | 5125.00:00:00 | 3.0 | 74.00  | 5.0 | 0.20940 |
| Z 5125.00:00:00 | 5126.00:00:00 | 3.0 | 76.00  | 5.0 | 0.24247 |
| Z 5126.00:00:00 | 5127.00:00:00 | 3.0 | 78.00  | 5.0 | 0.24247 |
| Z 5127.00:00:00 | 5128.00:00:00 | 3.0 | 80.00  | 5.0 | 0.24247 |
| Z 5128.00:00:00 | 5129.00:00:00 | 3.0 | 82.00  | 5.0 | 0.24247 |
| Z 5129.00:00:00 | 5130.00:00:00 | 3.0 | 84.00  | 5.0 | 0.24247 |
| Z 5130.00:00:00 | 5131.00:00:00 | 3.0 | 86.00  | 5.0 | 0.26451 |
| Z 5131.00:00:00 | 5132.00:00:00 | 3.0 | 88.00  | 5.0 | 0.26451 |
| Z 5132.00:00:00 | 5133.00:00:00 | 3.0 | 90.00  | 5.0 | 0.26451 |
| Z 5133.00:00:00 | 5134.00:00:00 | 3.0 | 92.00  | 5.0 | 0.26451 |
| Z 5134.00:00:00 | 5135.00:00:00 | 3.0 | 94.00  | 5.0 | 0.26451 |
| Z 5135.00:00:00 | 5136.00:00:00 | 3.0 | 96.00  | 5.0 | 0.24247 |
| Z 5136.00:00:00 | 5137.00:00:00 | 3.0 | 98.00  | 5.0 | 0.24247 |
| Z 5137.00:00:00 | 5138.00:00:00 | 3.0 | 100.00 | 5.0 | 0.24247 |
| Z 5138.00:00:00 | 5139.00:00:00 | 3.0 | 102.00 | 5.0 | 0.24247 |
| Z 5139.00:00:00 | 5140.00:00:00 | 3.0 | 104.00 | 5.0 | 0.24247 |
| Z 5140.00:00:00 | 5141.00:00:00 | 3.0 | 106.00 | 5.0 | 0.18736 |
| Z 5141.00:00:00 | 5142.00:00:00 | 3.0 | 108.00 | 5.0 | 0.18736 |
| Z 5142.00:00:00 | 5143.00:00:00 | 3.0 | 110.00 | 5.0 | 0.18736 |
| Z 5143.00:00:00 | 5144.00:00:00 | 3.0 | 112.00 | 5.0 | 0.18736 |
| Z 5144.00:00:00 | 5145.00:00:00 | 3.0 | 114.00 | 5.0 | 0.18736 |
| Z 5145.00:00:00 | 5146.00:00:00 | 3.0 | 116.00 | 5.0 | 0.38574 |
| Z 5146.00:00:00 | 5147.00:00:00 | 3.0 | 118.00 | 5.0 | 0.38574 |

|                 |               |     |        |     |         |
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| Z 5147.00:00:00 | 5148.00:00:00 | 3.0 | 120.00 | 5.0 | 0.38574 |
| Z 5148.00:00:00 | 5149.00:00:00 | 3.0 | 122.00 | 5.0 | 0.38574 |
| Z 5149.00:00:00 | 5150.00:00:00 | 3.0 | 124.00 | 5.0 | 0.38574 |
| Z 5150.00:00:00 | 5151.00:00:00 | 3.0 | 126.00 | 5.0 | 0.55106 |
| Z 5151.00:00:00 | 5152.00:00:00 | 3.0 | 128.00 | 5.0 | 0.55106 |
| Z 5152.00:00:00 | 5153.00:00:00 | 3.0 | 130.00 | 5.0 | 0.55106 |
| Z 5153.00:00:00 | 5154.00:00:00 | 3.0 | 132.00 | 5.0 | 0.55106 |
| Z 5154.00:00:00 | 5155.00:00:00 | 3.0 | 134.00 | 5.0 | 0.55106 |
| Z 5155.00:00:00 | 5156.00:00:00 | 3.0 | 136.00 | 5.0 | 0.31962 |
| Z 5156.00:00:00 | 5157.00:00:00 | 3.0 | 138.00 | 5.0 | 0.31962 |
| Z 5157.00:00:00 | 5158.00:00:00 | 3.0 | 140.00 | 5.0 | 0.31962 |
| Z 5158.00:00:00 | 5159.00:00:00 | 3.0 | 142.00 | 5.0 | 0.31962 |
| Z 5159.00:00:00 | 5160.00:00:00 | 3.0 | 144.00 | 5.0 | 0.31962 |
| Z 5160.00:00:00 | 5161.00:00:00 | 3.0 | 146.00 | 5.0 | 0.41881 |
| Z 5161.00:00:00 | 5162.00:00:00 | 3.0 | 148.00 | 5.0 | 0.41881 |
| Z 5162.00:00:00 | 5163.00:00:00 | 3.0 | 150.00 | 5.0 | 0.41881 |
| Z 5163.00:00:00 | 5164.00:00:00 | 3.0 | 152.00 | 5.0 | 0.41881 |
| Z 5164.00:00:00 | 5165.00:00:00 | 3.0 | 154.00 | 5.0 | 0.41881 |
| Z 5165.00:00:00 | 5166.00:00:00 | 3.0 | 156.00 | 5.0 | 0.36370 |
| Z 5166.00:00:00 | 5167.00:00:00 | 3.0 | 158.00 | 5.0 | 0.36370 |
| Z 5167.00:00:00 | 5168.00:00:00 | 3.0 | 160.00 | 5.0 | 0.36370 |
| Z 5168.00:00:00 | 5169.00:00:00 | 3.0 | 162.00 | 5.0 | 0.36370 |
| Z 5169.00:00:00 | 5170.00:00:00 | 3.0 | 164.00 | 5.0 | 0.36370 |
| Z 5170.00:00:00 | 5171.00:00:00 | 3.0 | 166.00 | 5.0 | 0.40778 |
| Z 5171.00:00:00 | 5172.00:00:00 | 3.0 | 168.00 | 5.0 | 0.40778 |
| Z 5172.00:00:00 | 5173.00:00:00 | 3.0 | 170.00 | 5.0 | 0.40778 |
| Z 5173.00:00:00 | 5174.00:00:00 | 3.0 | 172.00 | 5.0 | 0.40778 |
| Z 5174.00:00:00 | 5175.00:00:00 | 3.0 | 174.00 | 5.0 | 0.40778 |
| Z 5175.00:00:00 | 5176.00:00:00 | 3.0 | 176.00 | 5.0 | 0.26451 |
| Z 5176.00:00:00 | 5177.00:00:00 | 3.0 | 178.00 | 5.0 | 0.26451 |
| Z 5177.00:00:00 | 5178.00:00:00 | 3.0 | 180.00 | 5.0 | 0.26451 |
| Z 5178.00:00:00 | 5179.00:00:00 | 3.0 | 182.00 | 5.0 | 0.26451 |
| Z 5179.00:00:00 | 5180.00:00:00 | 3.0 | 184.00 | 5.0 | 0.26451 |
| Z 5180.00:00:00 | 5181.00:00:00 | 3.0 | 186.00 | 5.0 | 0.15430 |
| Z 5181.00:00:00 | 5182.00:00:00 | 3.0 | 188.00 | 5.0 | 0.15430 |
| Z 5182.00:00:00 | 5183.00:00:00 | 3.0 | 190.00 | 5.0 | 0.15430 |
| Z 5183.00:00:00 | 5184.00:00:00 | 3.0 | 192.00 | 5.0 | 0.15430 |
| Z 5184.00:00:00 | 5185.00:00:00 | 3.0 | 194.00 | 5.0 | 0.15430 |
| Z 5185.00:00:00 | 5186.00:00:00 | 3.0 | 196.00 | 5.0 | 0.26451 |
| Z 5186.00:00:00 | 5187.00:00:00 | 3.0 | 198.00 | 5.0 | 0.26451 |
| Z 5187.00:00:00 | 5188.00:00:00 | 3.0 | 200.00 | 5.0 | 0.26451 |
| Z 5188.00:00:00 | 5189.00:00:00 | 3.0 | 202.00 | 5.0 | 0.26451 |
| Z 5189.00:00:00 | 5190.00:00:00 | 3.0 | 204.00 | 5.0 | 0.26451 |
| Z 5190.00:00:00 | 5191.00:00:00 | 3.0 | 206.00 | 5.0 | 0.14328 |
| Z 5191.00:00:00 | 5192.00:00:00 | 3.0 | 208.00 | 5.0 | 0.14328 |
| Z 5192.00:00:00 | 5193.00:00:00 | 3.0 | 210.00 | 5.0 | 0.14328 |
| Z 5193.00:00:00 | 5194.00:00:00 | 3.0 | 212.00 | 5.0 | 0.14328 |
| Z 5194.00:00:00 | 5195.00:00:00 | 3.0 | 214.00 | 5.0 | 0.14328 |
| Z 5195.00:00:00 | 5196.00:00:00 | 3.0 | 216.00 | 5.0 | 0.08817 |
| Z 5196.00:00:00 | 5197.00:00:00 | 3.0 | 218.00 | 5.0 | 0.08817 |
| Z 5197.00:00:00 | 5198.00:00:00 | 3.0 | 220.00 | 5.0 | 0.08817 |
| Z 5198.00:00:00 | 5199.00:00:00 | 3.0 | 222.00 | 5.0 | 0.08817 |
| Z 5199.00:00:00 | 5200.00:00:00 | 3.0 | 224.00 | 5.0 | 0.08817 |
| Z 5200.00:00:00 | 5201.00:00:00 | 3.0 | 226.00 | 5.0 | 0.08817 |
| Z 5201.00:00:00 | 5202.00:00:00 | 3.0 | 228.00 | 5.0 | 0.08817 |
| Z 5202.00:00:00 | 5203.00:00:00 | 3.0 | 230.00 | 5.0 | 0.08817 |
| Z 5203.00:00:00 | 5204.00:00:00 | 3.0 | 232.00 | 5.0 | 0.08817 |
| Z 5204.00:00:00 | 5205.00:00:00 | 3.0 | 234.00 | 5.0 | 0.08817 |
| Z 5205.00:00:00 | 5206.00:00:00 | 3.0 | 236.00 | 5.0 | 0.09919 |
| Z 5206.00:00:00 | 5207.00:00:00 | 3.0 | 238.00 | 5.0 | 0.09919 |
| Z 5207.00:00:00 | 5208.00:00:00 | 3.0 | 240.00 | 5.0 | 0.09919 |

|                 |               |     |        |     |         |
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| Z 5208.00:00:00 | 5209.00:00:00 | 3.0 | 242.00 | 5.0 | 0.09919 |
| Z 5209.00:00:00 | 5210.00:00:00 | 3.0 | 244.00 | 5.0 | 0.09919 |
| Z 5210.00:00:00 | 5211.00:00:00 | 3.0 | 246.00 | 5.0 | 0.08817 |
| Z 5211.00:00:00 | 5212.00:00:00 | 3.0 | 248.00 | 5.0 | 0.08817 |
| Z 5212.00:00:00 | 5213.00:00:00 | 3.0 | 250.00 | 5.0 | 0.08817 |
| Z 5213.00:00:00 | 5214.00:00:00 | 3.0 | 252.00 | 5.0 | 0.08817 |
| Z 5214.00:00:00 | 5215.00:00:00 | 3.0 | 254.00 | 5.0 | 0.08817 |
| Z 5215.00:00:00 | 5216.00:00:00 | 3.0 | 256.00 | 5.0 | 0.18736 |
| Z 5216.00:00:00 | 5217.00:00:00 | 3.0 | 258.00 | 5.0 | 0.18736 |
| Z 5217.00:00:00 | 5218.00:00:00 | 3.0 | 260.00 | 5.0 | 0.18736 |
| Z 5218.00:00:00 | 5219.00:00:00 | 3.0 | 262.00 | 5.0 | 0.18736 |
| Z 5219.00:00:00 | 5220.00:00:00 | 3.0 | 264.00 | 5.0 | 0.18736 |
| Z 5220.00:00:00 | 5221.00:00:00 | 3.0 | 266.00 | 5.0 | 0.35268 |
| Z 5221.00:00:00 | 5222.00:00:00 | 3.0 | 268.00 | 5.0 | 0.35268 |
| Z 5222.00:00:00 | 5223.00:00:00 | 3.0 | 270.00 | 5.0 | 0.35268 |
| Z 5223.00:00:00 | 5224.00:00:00 | 3.0 | 272.00 | 5.0 | 0.35268 |
| Z 5224.00:00:00 | 5225.00:00:00 | 3.0 | 274.00 | 5.0 | 0.35268 |
| Z 5225.00:00:00 | 5226.00:00:00 | 3.0 | 276.00 | 5.0 | 0.37472 |
| Z 5226.00:00:00 | 5227.00:00:00 | 3.0 | 278.00 | 5.0 | 0.37472 |
| Z 5227.00:00:00 | 5228.00:00:00 | 3.0 | 280.00 | 5.0 | 0.37472 |
| Z 5228.00:00:00 | 5229.00:00:00 | 3.0 | 282.00 | 5.0 | 0.37472 |
| Z 5229.00:00:00 | 5230.00:00:00 | 3.0 | 284.00 | 5.0 | 0.37472 |
| Z 5230.00:00:00 | 5231.00:00:00 | 3.0 | 286.00 | 5.0 | 0.26451 |
| Z 5231.00:00:00 | 5232.00:00:00 | 3.0 | 288.00 | 5.0 | 0.26451 |
| Z 5232.00:00:00 | 5233.00:00:00 | 3.0 | 290.00 | 5.0 | 0.26451 |
| Z 5233.00:00:00 | 5234.00:00:00 | 3.0 | 292.00 | 5.0 | 0.26451 |
| Z 5234.00:00:00 | 5235.00:00:00 | 3.0 | 294.00 | 5.0 | 0.26451 |
| Z 5235.00:00:00 | 5236.00:00:00 | 3.0 | 296.00 | 5.0 | 0.41881 |
| Z 5236.00:00:00 | 5237.00:00:00 | 3.0 | 298.00 | 5.0 | 0.41881 |
| Z 5237.00:00:00 | 5238.00:00:00 | 3.0 | 300.00 | 5.0 | 0.41881 |
| Z 5238.00:00:00 | 5239.00:00:00 | 3.0 | 302.00 | 5.0 | 0.41881 |
| Z 5239.00:00:00 | 5240.00:00:00 | 3.0 | 304.00 | 5.0 | 0.41881 |
| Z 5240.00:00:00 | 5241.00:00:00 | 3.0 | 306.00 | 5.0 | 0.27553 |
| Z 5241.00:00:00 | 5242.00:00:00 | 3.0 | 308.00 | 5.0 | 0.27553 |
| Z 5242.00:00:00 | 5243.00:00:00 | 3.0 | 310.00 | 5.0 | 0.27553 |
| Z 5243.00:00:00 | 5244.00:00:00 | 3.0 | 312.00 | 5.0 | 0.27553 |
| Z 5244.00:00:00 | 5245.00:00:00 | 3.0 | 314.00 | 5.0 | 0.27553 |
| Z 5245.00:00:00 | 5246.00:00:00 | 3.0 | 316.00 | 5.0 | 0.25349 |
| Z 5246.00:00:00 | 5247.00:00:00 | 3.0 | 318.00 | 5.0 | 0.25349 |
| Z 5247.00:00:00 | 5248.00:00:00 | 3.0 | 320.00 | 5.0 | 0.25349 |
| Z 5248.00:00:00 | 5249.00:00:00 | 3.0 | 322.00 | 5.0 | 0.25349 |
| Z 5249.00:00:00 | 5250.00:00:00 | 3.0 | 324.00 | 5.0 | 0.25349 |
| Z 5250.00:00:00 | 5251.00:00:00 | 3.0 | 326.00 | 5.0 | 0.15430 |
| Z 5251.00:00:00 | 5252.00:00:00 | 3.0 | 328.00 | 5.0 | 0.15430 |
| Z 5252.00:00:00 | 5253.00:00:00 | 3.0 | 330.00 | 5.0 | 0.15430 |
| Z 5253.00:00:00 | 5254.00:00:00 | 3.0 | 332.00 | 5.0 | 0.15430 |
| Z 5254.00:00:00 | 5255.00:00:00 | 3.0 | 334.00 | 5.0 | 0.15430 |
| Z 5255.00:00:00 | 5256.00:00:00 | 3.0 | 336.00 | 5.0 | 0.05511 |
| Z 5256.00:00:00 | 5257.00:00:00 | 3.0 | 338.00 | 5.0 | 0.05511 |
| Z 5257.00:00:00 | 5258.00:00:00 | 3.0 | 340.00 | 5.0 | 0.05511 |
| Z 5258.00:00:00 | 5259.00:00:00 | 3.0 | 342.00 | 5.0 | 0.05511 |
| Z 5259.00:00:00 | 5260.00:00:00 | 3.0 | 344.00 | 5.0 | 0.05511 |
| Z 5260.00:00:00 | 5261.00:00:00 | 3.0 | 346.00 | 5.0 | 0.05511 |
| Z 5261.00:00:00 | 5262.00:00:00 | 3.0 | 348.00 | 5.0 | 0.05511 |
| Z 5262.00:00:00 | 5263.00:00:00 | 3.0 | 350.00 | 5.0 | 0.05511 |
| Z 5263.00:00:00 | 5264.00:00:00 | 3.0 | 352.00 | 5.0 | 0.05511 |
| Z 5264.00:00:00 | 5265.00:00:00 | 3.0 | 354.00 | 5.0 | 0.05511 |
| Z 5265.00:00:00 | 5266.00:00:00 | 3.0 | 356.00 | 5.0 | 0.05511 |
| Z 5266.00:00:00 | 5267.00:00:00 | 3.0 | 358.00 | 5.0 | 0.05511 |
| Z 5267.00:00:00 | 5268.00:00:00 | 3.0 | 360.00 | 5.0 | 0.05511 |
| Z 5268.00:00:00 | 5269.00:00:00 | 3.0 | 362.00 | 5.0 | 0.05511 |

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| Z 5269.00:00:00 | 5270.00:00:00 | 3.0 | 364.00 | 5.0 | 0.05511 |
| Z 5270.00:00:00 | 5271.00:00:00 | 4.5 | 16.00  | 5.0 | 0.01102 |
| Z 5271.00:00:00 | 5272.00:00:00 | 4.5 | 18.00  | 5.0 | 0.01102 |
| Z 5272.00:00:00 | 5273.00:00:00 | 4.5 | 20.00  | 5.0 | 0.01102 |
| Z 5273.00:00:00 | 5274.00:00:00 | 4.5 | 22.00  | 5.0 | 0.01102 |
| Z 5274.00:00:00 | 5275.00:00:00 | 4.5 | 24.00  | 5.0 | 0.01102 |
| Z 5275.00:00:00 | 5276.00:00:00 | 4.5 | 26.00  | 5.0 | 0.03306 |
| Z 5276.00:00:00 | 5277.00:00:00 | 4.5 | 28.00  | 5.0 | 0.03306 |
| Z 5277.00:00:00 | 5278.00:00:00 | 4.5 | 30.00  | 5.0 | 0.03306 |
| Z 5278.00:00:00 | 5279.00:00:00 | 4.5 | 32.00  | 5.0 | 0.03306 |
| Z 5279.00:00:00 | 5280.00:00:00 | 4.5 | 34.00  | 5.0 | 0.03306 |
| Z 5280.00:00:00 | 5281.00:00:00 | 4.5 | 36.00  | 5.0 | 0.01102 |
| Z 5281.00:00:00 | 5282.00:00:00 | 4.5 | 38.00  | 5.0 | 0.01102 |
| Z 5282.00:00:00 | 5283.00:00:00 | 4.5 | 40.00  | 5.0 | 0.01102 |
| Z 5283.00:00:00 | 5284.00:00:00 | 4.5 | 42.00  | 5.0 | 0.01102 |
| Z 5284.00:00:00 | 5285.00:00:00 | 4.5 | 44.00  | 5.0 | 0.01102 |
| Z 5285.00:00:00 | 5286.00:00:00 | 4.5 | 46.00  | 5.0 | 0.03306 |
| Z 5286.00:00:00 | 5287.00:00:00 | 4.5 | 48.00  | 5.0 | 0.03306 |
| Z 5287.00:00:00 | 5288.00:00:00 | 4.5 | 50.00  | 5.0 | 0.03306 |
| Z 5288.00:00:00 | 5289.00:00:00 | 4.5 | 52.00  | 5.0 | 0.03306 |
| Z 5289.00:00:00 | 5290.00:00:00 | 4.5 | 54.00  | 5.0 | 0.03306 |
| Z 5290.00:00:00 | 5291.00:00:00 | 4.5 | 56.00  | 5.0 | 0.05511 |
| Z 5291.00:00:00 | 5292.00:00:00 | 4.5 | 58.00  | 5.0 | 0.05511 |
| Z 5292.00:00:00 | 5293.00:00:00 | 4.5 | 60.00  | 5.0 | 0.05511 |
| Z 5293.00:00:00 | 5294.00:00:00 | 4.5 | 62.00  | 5.0 | 0.05511 |
| Z 5294.00:00:00 | 5295.00:00:00 | 4.5 | 64.00  | 5.0 | 0.05511 |
| Z 5295.00:00:00 | 5296.00:00:00 | 4.5 | 66.00  | 5.0 | 0.01102 |
| Z 5296.00:00:00 | 5297.00:00:00 | 4.5 | 68.00  | 5.0 | 0.01102 |
| Z 5297.00:00:00 | 5298.00:00:00 | 4.5 | 70.00  | 5.0 | 0.01102 |
| Z 5298.00:00:00 | 5299.00:00:00 | 4.5 | 72.00  | 5.0 | 0.01102 |
| Z 5299.00:00:00 | 5300.00:00:00 | 4.5 | 74.00  | 5.0 | 0.01102 |
| Z 5300.00:00:00 | 5301.00:00:00 | 4.5 | 76.00  | 5.0 | 0.02204 |
| Z 5301.00:00:00 | 5302.00:00:00 | 4.5 | 78.00  | 5.0 | 0.02204 |
| Z 5302.00:00:00 | 5303.00:00:00 | 4.5 | 80.00  | 5.0 | 0.02204 |
| Z 5303.00:00:00 | 5304.00:00:00 | 4.5 | 82.00  | 5.0 | 0.02204 |
| Z 5304.00:00:00 | 5305.00:00:00 | 4.5 | 84.00  | 5.0 | 0.02204 |
| Z 5305.00:00:00 | 5306.00:00:00 | 4.5 | 86.00  | 5.0 | 0.03306 |
| Z 5306.00:00:00 | 5307.00:00:00 | 4.5 | 88.00  | 5.0 | 0.03306 |
| Z 5307.00:00:00 | 5308.00:00:00 | 4.5 | 90.00  | 5.0 | 0.03306 |
| Z 5308.00:00:00 | 5309.00:00:00 | 4.5 | 92.00  | 5.0 | 0.03306 |
| Z 5309.00:00:00 | 5310.00:00:00 | 4.5 | 94.00  | 5.0 | 0.03306 |
| Z 5310.00:00:00 | 5311.00:00:00 | 4.5 | 96.00  | 5.0 | 0.02204 |
| Z 5311.00:00:00 | 5312.00:00:00 | 4.5 | 98.00  | 5.0 | 0.02204 |
| Z 5312.00:00:00 | 5313.00:00:00 | 4.5 | 100.00 | 5.0 | 0.02204 |
| Z 5313.00:00:00 | 5314.00:00:00 | 4.5 | 102.00 | 5.0 | 0.02204 |
| Z 5314.00:00:00 | 5315.00:00:00 | 4.5 | 104.00 | 5.0 | 0.02204 |
| Z 5315.00:00:00 | 5316.00:00:00 | 4.5 | 106.00 | 5.0 | 0.07715 |
| Z 5316.00:00:00 | 5317.00:00:00 | 4.5 | 108.00 | 5.0 | 0.07715 |
| Z 5317.00:00:00 | 5318.00:00:00 | 4.5 | 110.00 | 5.0 | 0.07715 |
| Z 5318.00:00:00 | 5319.00:00:00 | 4.5 | 112.00 | 5.0 | 0.07715 |
| Z 5319.00:00:00 | 5320.00:00:00 | 4.5 | 114.00 | 5.0 | 0.07715 |
| Z 5320.00:00:00 | 5321.00:00:00 | 4.5 | 116.00 | 5.0 | 0.02204 |
| Z 5321.00:00:00 | 5322.00:00:00 | 4.5 | 118.00 | 5.0 | 0.02204 |
| Z 5322.00:00:00 | 5323.00:00:00 | 4.5 | 120.00 | 5.0 | 0.02204 |
| Z 5323.00:00:00 | 5324.00:00:00 | 4.5 | 122.00 | 5.0 | 0.02204 |
| Z 5324.00:00:00 | 5325.00:00:00 | 4.5 | 124.00 | 5.0 | 0.02204 |
| Z 5325.00:00:00 | 5326.00:00:00 | 4.5 | 126.00 | 5.0 | 0.17634 |
| Z 5326.00:00:00 | 5327.00:00:00 | 4.5 | 128.00 | 5.0 | 0.17634 |
| Z 5327.00:00:00 | 5328.00:00:00 | 4.5 | 130.00 | 5.0 | 0.17634 |
| Z 5328.00:00:00 | 5329.00:00:00 | 4.5 | 132.00 | 5.0 | 0.17634 |
| Z 5329.00:00:00 | 5330.00:00:00 | 4.5 | 134.00 | 5.0 | 0.17634 |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 5330.00:00:00 | 5331.00:00:00 | 4.5 | 136.00 | 5.0 | 0.09919 |
| Z 5331.00:00:00 | 5332.00:00:00 | 4.5 | 138.00 | 5.0 | 0.09919 |
| Z 5332.00:00:00 | 5333.00:00:00 | 4.5 | 140.00 | 5.0 | 0.09919 |
| Z 5333.00:00:00 | 5334.00:00:00 | 4.5 | 142.00 | 5.0 | 0.09919 |
| Z 5334.00:00:00 | 5335.00:00:00 | 4.5 | 144.00 | 5.0 | 0.09919 |
| Z 5335.00:00:00 | 5336.00:00:00 | 4.5 | 146.00 | 5.0 | 0.09919 |
| Z 5336.00:00:00 | 5337.00:00:00 | 4.5 | 148.00 | 5.0 | 0.09919 |
| Z 5337.00:00:00 | 5338.00:00:00 | 4.5 | 150.00 | 5.0 | 0.09919 |
| Z 5338.00:00:00 | 5339.00:00:00 | 4.5 | 152.00 | 5.0 | 0.09919 |
| Z 5339.00:00:00 | 5340.00:00:00 | 4.5 | 154.00 | 5.0 | 0.09919 |
| Z 5340.00:00:00 | 5341.00:00:00 | 4.5 | 156.00 | 5.0 | 0.01102 |
| Z 5341.00:00:00 | 5342.00:00:00 | 4.5 | 158.00 | 5.0 | 0.01102 |
| Z 5342.00:00:00 | 5343.00:00:00 | 4.5 | 160.00 | 5.0 | 0.01102 |
| Z 5343.00:00:00 | 5344.00:00:00 | 4.5 | 162.00 | 5.0 | 0.01102 |
| Z 5344.00:00:00 | 5345.00:00:00 | 4.5 | 164.00 | 5.0 | 0.01102 |
| Z 5345.00:00:00 | 5346.00:00:00 | 4.5 | 166.00 | 5.0 | 0.03306 |
| Z 5346.00:00:00 | 5347.00:00:00 | 4.5 | 168.00 | 5.0 | 0.03306 |
| Z 5347.00:00:00 | 5348.00:00:00 | 4.5 | 170.00 | 5.0 | 0.03306 |
| Z 5348.00:00:00 | 5349.00:00:00 | 4.5 | 172.00 | 5.0 | 0.03306 |
| Z 5349.00:00:00 | 5350.00:00:00 | 4.5 | 174.00 | 5.0 | 0.03306 |
| Z 5350.00:00:00 | 5351.00:00:00 | 4.5 | 176.00 | 5.0 | 0.05511 |
| Z 5351.00:00:00 | 5352.00:00:00 | 4.5 | 178.00 | 5.0 | 0.05511 |
| Z 5352.00:00:00 | 5353.00:00:00 | 4.5 | 180.00 | 5.0 | 0.05511 |
| Z 5353.00:00:00 | 5354.00:00:00 | 4.5 | 182.00 | 5.0 | 0.05511 |
| Z 5354.00:00:00 | 5355.00:00:00 | 4.5 | 184.00 | 5.0 | 0.05511 |
| Z 5355.00:00:00 | 5356.00:00:00 | 4.5 | 186.00 | 5.0 | 0.05511 |
| Z 5356.00:00:00 | 5357.00:00:00 | 4.5 | 188.00 | 5.0 | 0.05511 |
| Z 5357.00:00:00 | 5358.00:00:00 | 4.5 | 190.00 | 5.0 | 0.05511 |
| Z 5358.00:00:00 | 5359.00:00:00 | 4.5 | 192.00 | 5.0 | 0.05511 |
| Z 5359.00:00:00 | 5360.00:00:00 | 4.5 | 194.00 | 5.0 | 0.05511 |
| Z 5360.00:00:00 | 5361.00:00:00 | 4.5 | 206.00 | 5.0 | 0.02204 |
| Z 5361.00:00:00 | 5362.00:00:00 | 4.5 | 208.00 | 5.0 | 0.02204 |
| Z 5362.00:00:00 | 5363.00:00:00 | 4.5 | 210.00 | 5.0 | 0.02204 |
| Z 5363.00:00:00 | 5364.00:00:00 | 4.5 | 212.00 | 5.0 | 0.02204 |
| Z 5364.00:00:00 | 5365.00:00:00 | 4.5 | 214.00 | 5.0 | 0.02204 |
| Z 5365.00:00:00 | 5366.00:00:00 | 4.5 | 226.00 | 5.0 | 0.03306 |
| Z 5366.00:00:00 | 5367.00:00:00 | 4.5 | 228.00 | 5.0 | 0.03306 |
| Z 5367.00:00:00 | 5368.00:00:00 | 4.5 | 230.00 | 5.0 | 0.03306 |
| Z 5368.00:00:00 | 5369.00:00:00 | 4.5 | 232.00 | 5.0 | 0.03306 |
| Z 5369.00:00:00 | 5370.00:00:00 | 4.5 | 234.00 | 5.0 | 0.03306 |
| Z 5370.00:00:00 | 5371.00:00:00 | 4.5 | 236.00 | 5.0 | 0.02204 |
| Z 5371.00:00:00 | 5372.00:00:00 | 4.5 | 238.00 | 5.0 | 0.02204 |
| Z 5372.00:00:00 | 5373.00:00:00 | 4.5 | 240.00 | 5.0 | 0.02204 |
| Z 5373.00:00:00 | 5374.00:00:00 | 4.5 | 242.00 | 5.0 | 0.02204 |
| Z 5374.00:00:00 | 5375.00:00:00 | 4.5 | 244.00 | 5.0 | 0.02204 |
| Z 5375.00:00:00 | 5376.00:00:00 | 4.5 | 246.00 | 5.0 | 0.09919 |
| Z 5376.00:00:00 | 5377.00:00:00 | 4.5 | 248.00 | 5.0 | 0.09919 |
| Z 5377.00:00:00 | 5378.00:00:00 | 4.5 | 250.00 | 5.0 | 0.09919 |
| Z 5378.00:00:00 | 5379.00:00:00 | 4.5 | 252.00 | 5.0 | 0.09919 |
| Z 5379.00:00:00 | 5380.00:00:00 | 4.5 | 254.00 | 5.0 | 0.09919 |
| Z 5380.00:00:00 | 5381.00:00:00 | 4.5 | 256.00 | 5.0 | 0.20940 |
| Z 5381.00:00:00 | 5382.00:00:00 | 4.5 | 258.00 | 5.0 | 0.20940 |
| Z 5382.00:00:00 | 5383.00:00:00 | 4.5 | 260.00 | 5.0 | 0.20940 |
| Z 5383.00:00:00 | 5384.00:00:00 | 4.5 | 262.00 | 5.0 | 0.20940 |
| Z 5384.00:00:00 | 5385.00:00:00 | 4.5 | 264.00 | 5.0 | 0.20940 |
| Z 5385.00:00:00 | 5386.00:00:00 | 4.5 | 266.00 | 5.0 | 0.11021 |
| Z 5386.00:00:00 | 5387.00:00:00 | 4.5 | 268.00 | 5.0 | 0.11021 |
| Z 5387.00:00:00 | 5388.00:00:00 | 4.5 | 270.00 | 5.0 | 0.11021 |
| Z 5388.00:00:00 | 5389.00:00:00 | 4.5 | 272.00 | 5.0 | 0.11021 |
| Z 5389.00:00:00 | 5390.00:00:00 | 4.5 | 274.00 | 5.0 | 0.11021 |
| Z 5390.00:00:00 | 5391.00:00:00 | 4.5 | 276.00 | 5.0 | 0.16532 |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 5391.00:00:00 | 5392.00:00:00 | 4.5 | 278.00 | 5.0 | 0.16532 |
| Z 5392.00:00:00 | 5393.00:00:00 | 4.5 | 280.00 | 5.0 | 0.16532 |
| Z 5393.00:00:00 | 5394.00:00:00 | 4.5 | 282.00 | 5.0 | 0.16532 |
| Z 5394.00:00:00 | 5395.00:00:00 | 4.5 | 284.00 | 5.0 | 0.16532 |
| Z 5395.00:00:00 | 5396.00:00:00 | 4.5 | 286.00 | 5.0 | 0.07715 |
| Z 5396.00:00:00 | 5397.00:00:00 | 4.5 | 288.00 | 5.0 | 0.07715 |
| Z 5397.00:00:00 | 5398.00:00:00 | 4.5 | 290.00 | 5.0 | 0.07715 |
| Z 5398.00:00:00 | 5399.00:00:00 | 4.5 | 292.00 | 5.0 | 0.07715 |
| Z 5399.00:00:00 | 5400.00:00:00 | 4.5 | 294.00 | 5.0 | 0.07715 |
| Z 5400.00:00:00 | 5401.00:00:00 | 4.5 | 296.00 | 5.0 | 0.07715 |
| Z 5401.00:00:00 | 5402.00:00:00 | 4.5 | 298.00 | 5.0 | 0.07715 |
| Z 5402.00:00:00 | 5403.00:00:00 | 4.5 | 300.00 | 5.0 | 0.07715 |
| Z 5403.00:00:00 | 5404.00:00:00 | 4.5 | 302.00 | 5.0 | 0.07715 |
| Z 5404.00:00:00 | 5405.00:00:00 | 4.5 | 304.00 | 5.0 | 0.07715 |
| Z 5405.00:00:00 | 5406.00:00:00 | 4.5 | 306.00 | 5.0 | 0.05511 |
| Z 5406.00:00:00 | 5407.00:00:00 | 4.5 | 308.00 | 5.0 | 0.05511 |
| Z 5407.00:00:00 | 5408.00:00:00 | 4.5 | 310.00 | 5.0 | 0.05511 |
| Z 5408.00:00:00 | 5409.00:00:00 | 4.5 | 312.00 | 5.0 | 0.05511 |
| Z 5409.00:00:00 | 5410.00:00:00 | 4.5 | 314.00 | 5.0 | 0.05511 |
| Z 5410.00:00:00 | 5411.00:00:00 | 4.5 | 316.00 | 5.0 | 0.03306 |
| Z 5411.00:00:00 | 5412.00:00:00 | 4.5 | 318.00 | 5.0 | 0.03306 |
| Z 5412.00:00:00 | 5413.00:00:00 | 4.5 | 320.00 | 5.0 | 0.03306 |
| Z 5413.00:00:00 | 5414.00:00:00 | 4.5 | 322.00 | 5.0 | 0.03306 |
| Z 5414.00:00:00 | 5415.00:00:00 | 4.5 | 324.00 | 5.0 | 0.03306 |
| Z 5415.00:00:00 | 5416.00:00:00 | 4.5 | 326.00 | 5.0 | 0.02204 |
| Z 5416.00:00:00 | 5417.00:00:00 | 4.5 | 328.00 | 5.0 | 0.02204 |
| Z 5417.00:00:00 | 5418.00:00:00 | 4.5 | 330.00 | 5.0 | 0.02204 |
| Z 5418.00:00:00 | 5419.00:00:00 | 4.5 | 332.00 | 5.0 | 0.02204 |
| Z 5419.00:00:00 | 5420.00:00:00 | 4.5 | 334.00 | 5.0 | 0.02204 |
| Z 5420.00:00:00 | 5421.00:00:00 | 4.5 | 336.00 | 5.0 | 0.06613 |
| Z 5421.00:00:00 | 5422.00:00:00 | 4.5 | 338.00 | 5.0 | 0.06613 |
| Z 5422.00:00:00 | 5423.00:00:00 | 4.5 | 340.00 | 5.0 | 0.06613 |
| Z 5423.00:00:00 | 5424.00:00:00 | 4.5 | 342.00 | 5.0 | 0.06613 |
| Z 5424.00:00:00 | 5425.00:00:00 | 4.5 | 344.00 | 5.0 | 0.06613 |
| Z 5425.00:00:00 | 5426.00:00:00 | 4.5 | 346.00 | 5.0 | 0.02204 |
| Z 5426.00:00:00 | 5427.00:00:00 | 4.5 | 348.00 | 5.0 | 0.02204 |
| Z 5427.00:00:00 | 5428.00:00:00 | 4.5 | 350.00 | 5.0 | 0.02204 |
| Z 5428.00:00:00 | 5429.00:00:00 | 4.5 | 352.00 | 5.0 | 0.02204 |
| Z 5429.00:00:00 | 5430.00:00:00 | 4.5 | 354.00 | 5.0 | 0.02204 |
| Z 5430.00:00:00 | 5431.00:00:00 | 4.5 | 356.00 | 5.0 | 0.01102 |
| Z 5431.00:00:00 | 5432.00:00:00 | 4.5 | 358.00 | 5.0 | 0.01102 |
| Z 5432.00:00:00 | 5433.00:00:00 | 4.5 | 360.00 | 5.0 | 0.01102 |
| Z 5433.00:00:00 | 5434.00:00:00 | 4.5 | 362.00 | 5.0 | 0.01102 |
| Z 5434.00:00:00 | 5435.00:00:00 | 4.5 | 364.00 | 5.0 | 0.01102 |
| Z 5435.00:00:00 | 5436.00:00:00 | 6.0 | 46.00  | 5.0 | 0.03306 |
| Z 5436.00:00:00 | 5437.00:00:00 | 6.0 | 48.00  | 5.0 | 0.03306 |
| Z 5437.00:00:00 | 5438.00:00:00 | 6.0 | 50.00  | 5.0 | 0.03306 |
| Z 5438.00:00:00 | 5439.00:00:00 | 6.0 | 52.00  | 5.0 | 0.03306 |
| Z 5439.00:00:00 | 5440.00:00:00 | 6.0 | 54.00  | 5.0 | 0.03306 |
| Z 5440.00:00:00 | 5441.00:00:00 | 6.0 | 56.00  | 5.0 | 0.02204 |
| Z 5441.00:00:00 | 5442.00:00:00 | 6.0 | 58.00  | 5.0 | 0.02204 |
| Z 5442.00:00:00 | 5443.00:00:00 | 6.0 | 60.00  | 5.0 | 0.02204 |
| Z 5443.00:00:00 | 5444.00:00:00 | 6.0 | 62.00  | 5.0 | 0.02204 |
| Z 5444.00:00:00 | 5445.00:00:00 | 6.0 | 64.00  | 5.0 | 0.02204 |
| Z 5445.00:00:00 | 5446.00:00:00 | 6.0 | 66.00  | 5.0 | 0.02204 |
| Z 5446.00:00:00 | 5447.00:00:00 | 6.0 | 68.00  | 5.0 | 0.02204 |
| Z 5447.00:00:00 | 5448.00:00:00 | 6.0 | 70.00  | 5.0 | 0.02204 |
| Z 5448.00:00:00 | 5449.00:00:00 | 6.0 | 72.00  | 5.0 | 0.02204 |
| Z 5449.00:00:00 | 5450.00:00:00 | 6.0 | 74.00  | 5.0 | 0.02204 |
| Z 5450.00:00:00 | 5451.00:00:00 | 6.0 | 186.00 | 5.0 | 0.01102 |
| Z 5451.00:00:00 | 5452.00:00:00 | 6.0 | 188.00 | 5.0 | 0.01102 |

|                 |               |     |        |     |         |
|-----------------|---------------|-----|--------|-----|---------|
| Z 5452.00:00:00 | 5453.00:00:00 | 6.0 | 190.00 | 5.0 | 0.01102 |
| Z 5453.00:00:00 | 5454.00:00:00 | 6.0 | 192.00 | 5.0 | 0.01102 |
| Z 5454.00:00:00 | 5455.00:00:00 | 6.0 | 194.00 | 5.0 | 0.01102 |
| Z 5455.00:00:00 | 5456.00:00:00 | 6.0 | 216.00 | 5.0 | 0.09919 |
| Z 5456.00:00:00 | 5457.00:00:00 | 6.0 | 218.00 | 5.0 | 0.09919 |
| Z 5457.00:00:00 | 5458.00:00:00 | 6.0 | 220.00 | 5.0 | 0.09919 |
| Z 5458.00:00:00 | 5459.00:00:00 | 6.0 | 222.00 | 5.0 | 0.09919 |
| Z 5459.00:00:00 | 5460.00:00:00 | 6.0 | 224.00 | 5.0 | 0.09919 |
| Z 5460.00:00:00 | 5461.00:00:00 | 6.0 | 226.00 | 5.0 | 0.07715 |
| Z 5461.00:00:00 | 5462.00:00:00 | 6.0 | 228.00 | 5.0 | 0.07715 |
| Z 5462.00:00:00 | 5463.00:00:00 | 6.0 | 230.00 | 5.0 | 0.07715 |
| Z 5463.00:00:00 | 5464.00:00:00 | 6.0 | 232.00 | 5.0 | 0.07715 |
| Z 5464.00:00:00 | 5465.00:00:00 | 6.0 | 234.00 | 5.0 | 0.07715 |
| Z 5465.00:00:00 | 5466.00:00:00 | 6.0 | 236.00 | 5.0 | 0.03306 |
| Z 5466.00:00:00 | 5467.00:00:00 | 6.0 | 238.00 | 5.0 | 0.03306 |
| Z 5467.00:00:00 | 5468.00:00:00 | 6.0 | 240.00 | 5.0 | 0.03306 |
| Z 5468.00:00:00 | 5469.00:00:00 | 6.0 | 242.00 | 5.0 | 0.03306 |
| Z 5469.00:00:00 | 5470.00:00:00 | 6.0 | 244.00 | 5.0 | 0.03306 |
| Z 5470.00:00:00 | 5471.00:00:00 | 6.0 | 246.00 | 5.0 | 0.03306 |
| Z 5471.00:00:00 | 5472.00:00:00 | 6.0 | 248.00 | 5.0 | 0.03306 |
| Z 5472.00:00:00 | 5473.00:00:00 | 6.0 | 250.00 | 5.0 | 0.03306 |
| Z 5473.00:00:00 | 5474.00:00:00 | 6.0 | 252.00 | 5.0 | 0.03306 |
| Z 5474.00:00:00 | 5475.00:00:00 | 6.0 | 254.00 | 5.0 | 0.03306 |
| Z 5475.00:00:00 | 5476.00:00:00 | 6.0 | 256.00 | 5.0 | 0.03306 |
| Z 5476.00:00:00 | 5477.00:00:00 | 6.0 | 258.00 | 5.0 | 0.03306 |
| Z 5477.00:00:00 | 5478.00:00:00 | 6.0 | 260.00 | 5.0 | 0.03306 |
| Z 5478.00:00:00 | 5479.00:00:00 | 6.0 | 262.00 | 5.0 | 0.03306 |
| Z 5479.00:00:00 | 5480.00:00:00 | 6.0 | 264.00 | 5.0 | 0.03306 |
| Z 5480.00:00:00 | 5481.00:00:00 | 6.0 | 266.00 | 5.0 | 0.01102 |
| Z 5481.00:00:00 | 5482.00:00:00 | 6.0 | 268.00 | 5.0 | 0.01102 |
| Z 5482.00:00:00 | 5483.00:00:00 | 6.0 | 270.00 | 5.0 | 0.01102 |
| Z 5483.00:00:00 | 5484.00:00:00 | 6.0 | 272.00 | 5.0 | 0.01102 |
| Z 5484.00:00:00 | 5485.00:00:00 | 6.0 | 274.00 | 5.0 | 0.01102 |
| Z 5485.00:00:00 | 5486.00:00:00 | 6.0 | 276.00 | 5.0 | 0.03306 |
| Z 5486.00:00:00 | 5487.00:00:00 | 6.0 | 278.00 | 5.0 | 0.03306 |
| Z 5487.00:00:00 | 5488.00:00:00 | 6.0 | 280.00 | 5.0 | 0.03306 |
| Z 5488.00:00:00 | 5489.00:00:00 | 6.0 | 282.00 | 5.0 | 0.03306 |
| Z 5489.00:00:00 | 5490.00:00:00 | 6.0 | 284.00 | 5.0 | 0.03306 |
| Z 5490.00:00:00 | 5491.00:00:00 | 6.0 | 286.00 | 5.0 | 0.01102 |
| Z 5491.00:00:00 | 5492.00:00:00 | 6.0 | 288.00 | 5.0 | 0.01102 |
| Z 5492.00:00:00 | 5493.00:00:00 | 6.0 | 290.00 | 5.0 | 0.01102 |
| Z 5493.00:00:00 | 5494.00:00:00 | 6.0 | 292.00 | 5.0 | 0.01102 |
| Z 5494.00:00:00 | 5495.00:00:00 | 6.0 | 294.00 | 5.0 | 0.01102 |
| Z 5495.00:00:00 | 5496.00:00:00 | 6.0 | 336.00 | 5.0 | 0.01102 |
| Z 5496.00:00:00 | 5497.00:00:00 | 6.0 | 338.00 | 5.0 | 0.01102 |
| Z 5497.00:00:00 | 5498.00:00:00 | 6.0 | 340.00 | 5.0 | 0.01102 |
| Z 5498.00:00:00 | 5499.00:00:00 | 6.0 | 342.00 | 5.0 | 0.01102 |
| Z 5499.00:00:00 | 5500.00:00:00 | 6.0 | 344.00 | 5.0 | 0.01102 |
| Z 5500.00:00:00 | 5501.00:00:00 | 7.5 | 216.00 | 5.0 | 0.01102 |
| Z 5501.00:00:00 | 5502.00:00:00 | 7.5 | 218.00 | 5.0 | 0.01102 |
| Z 5502.00:00:00 | 5503.00:00:00 | 7.5 | 220.00 | 5.0 | 0.01102 |
| Z 5503.00:00:00 | 5504.00:00:00 | 7.5 | 222.00 | 5.0 | 0.01102 |
| Z 5504.00:00:00 | 5505.00:00:00 | 7.5 | 224.00 | 5.0 | 0.01102 |
| Z 5505.00:00:00 | 5506.00:00:00 | 7.5 | 256.00 | 5.0 | 0.02204 |
| Z 5506.00:00:00 | 5507.00:00:00 | 7.5 | 258.00 | 5.0 | 0.02204 |
| Z 5507.00:00:00 | 5508.00:00:00 | 7.5 | 260.00 | 5.0 | 0.02204 |
| Z 5508.00:00:00 | 5509.00:00:00 | 7.5 | 262.00 | 5.0 | 0.02204 |
| Z 5509.00:00:00 | 5510.00:00:00 | 7.5 | 264.00 | 5.0 | 0.02204 |

## Auswertung der Ergebnisse

### Prognose-Nullfall

022-04-07 13:42:07 LOPREP\_1.1.10

Auswertung der Ergebnisse für ".\loprep"

=====

DEP: Jahres-/Langzeitmittel der gesamten Deposition  
DRY: Jahres-/Langzeitmittel der trockenen Deposition  
WET: Jahres-/Langzeitmittel der nassen Deposition  
J00: Jahres-/Langzeitmittel der Konzentration/Geruchsstundenhäufigkeit  
Tnn: Höchstes Tagesmittel der Konzentration mit nn Überschreitungen  
Snn: Höchstes Stundenmittel der Konzentration mit nn Überschreitungen

Maximalwerte, Deposition

-----

ENH3 DEP 3,644e+00 mg/(m<sup>2</sup>\*d) (+/- 0,5%) bei x=46935 m, y=21685 m (1:174, 89)  
ENH3 DRY 3,644e+00 mg/(m<sup>2</sup>\*d) (+/- 0,5%) bei x=46935 m, y=21685 m (1:174, 89)  
ENH3 WET 0,000e+00 mg/(m<sup>2</sup>\*d) (+/- 0,0%)  
ENOX DEP 8,233e+00 mg/(m<sup>2</sup>\*d) (+/- 0,6%) bei x=46175 m, y=21695 m (1: 98, 90)  
ENOX DRY 8,233e+00 mg/(m<sup>2</sup>\*d) (+/- 0,6%) bei x=46175 m, y=21695 m (1: 98, 90)  
ENOX WET 0,000e+00 mg/(m<sup>2</sup>\*d) (+/- 0,0%)

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Maximalwerte, Konzentration bei z=1,0 m

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ENH3 J00 3,362e-03 mg/m<sup>3</sup> (+/- 0,5%) bei x=47735 m, y=21465 m (1:254, 67)  
ENOX J00 6,393e-02 mg/m<sup>3</sup> (+/- 0,5%) bei x=47735 m, y=21465 m (1:254, 67)

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### Planfall

2022-04-07 13:42:22 LOPREP\_1.1.10

Auswertung der Ergebnisse für ".\loprep"

=====

DEP: Jahres-/Langzeitmittel der gesamten Deposition  
DRY: Jahres-/Langzeitmittel der trockenen Deposition  
WET: Jahres-/Langzeitmittel der nassen Deposition  
J00: Jahres-/Langzeitmittel der Konzentration/Geruchsstundenhäufigkeit  
Tnn: Höchstes Tagesmittel der Konzentration mit nn Überschreitungen  
Snn: Höchstes Stundenmittel der Konzentration mit nn Überschreitungen

## Maximalwerte, Deposition

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ENH3 DEP 3,540e+00 mg/(m<sup>2</sup>\*d) (+/- 0,5%) bei x=45705 m, y=21915 m (1: 51,112)  
ENH3 DRY 3,540e+00 mg/(m<sup>2</sup>\*d) (+/- 0,5%) bei x=45705 m, y=21915 m (1: 51,112)  
ENH3 WET 0,000e+00 mg/(m<sup>2</sup>\*d) (+/- 0,0%)  
ENOX DEP 8,197e+00 mg/(m<sup>2</sup>\*d) (+/- 0,6%) bei x=45705 m, y=21915 m (1: 51,112)  
ENOX DRY 8,197e+00 mg/(m<sup>2</sup>\*d) (+/- 0,6%) bei x=45705 m, y=21915 m (1: 51,112)  
ENOX WET 0,000e+00 mg/(m<sup>2</sup>\*d) (+/- 0,0%)  
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## Maximalwerte, Konzentration bei z=1,0 m

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ENH3 J00 3,573e-03 mg/m<sup>3</sup> (+/- 0,5%) bei x=47735 m, y=21475 m (1:254, 68)  
ENOX J00 6,585e-02 mg/m<sup>3</sup> (+/- 0,5%) bei x=47735 m, y=21475 m (1:254, 68)  
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