

Võru maakond
Võru vald
Pugastu liivamaardla

PUGASTU I LIIVAKARJÄÄRI
(maavara kaevandamise luba nr L.MK/319413)
MARKŠEIDERIMÕÕDISTUS
Seisuga 13.06.2024
Töö nr 24-787

Tellija: Võru Betoon OÜ
Tehnikatn 10
Parksepa alevik
Võru vald
Võru maakond
65509

Teostaja: Maavarauuringud OÜ
Liiva 41
Tartu linn
Tartu
50303

Vastutav täitja: Ranek Rohtla
/allkirjastatud digitaalselt/
geoloog ja diplomeeritud markšeider 6 tase
Tunnistus 189745

Tartu 2024

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1. SISSEJUHATUS

Pugastu liivamaardla (nr 88) Pugastu I liivakarjääri markšeiderimöödistamine tehti osaühing Võru Betoon OÜ tellimisel.

Markšeiderimöödistamise tegemisel on lähtutud majandus- ja taristuministri 10.05.2019. a määrusest nr 32 „Markšeiderimöödistuse täpsustatud nõuded ja kord” ja 01.01.2017. a kehtima hakanud Maapõueseaduse § 76.

Markšeiderimöödistamise välitööd on tehtud 13.06.2024. a.

Markšeiderimöödistuse aruande koostas Maavarauuringud OÜ geoloog ja diplomeeritud mäeinsener Ranek Rohtla, möödistuse välitöö tegid Tiit Kalmus ja Ranek Rohtla. Markšeiderimöödistamise plaani koostamisel on kasutatud lisaks käesoleva möödistuse andmetele Maavarauuringud OÜ poolt koostatud Pugastu karjääri markšeiderimöödistuse seisuga 29.12.2022 andmeid ja OÜ Eesti Geoloogiakeskuse poolt koostatud maavara kaevandamiseloal L.MK/319413 andmeid.

2. MÄEERALDISTE ÜLDANDMED JA GEOLOOGILINE ISELOOMUSTUS

2.1. Mäeeraldiste üldandmed

Pugastu I liivakarjääri mäeeraldis (graafiline lisa 1) asub Pugastu liivamaardlal (nr 88) Võru maakonnas Võru vallas Võru linnast 10 kilomeetri kaugusel edelas Juba külas, riigi omandis oleval 10,35 ha suurusel Pugastu maaüksusel (katastritunnus 91804:001:0285). Pugastu I liivakarjääri mäeeraldise ja mäeeraldise teenindusmaa pindala on 10,30 ha. Kaeveluba nr L.MK/319413 kehtib ajavahemikul 28.05.2012–27.05.2027. Kaeveluba kuulub Võru Betoon OÜ-le. Mäeeraldisele jääb ehitusliiva aktiivse tarbevaru 1. plokk (pindala 10,35 ha). Kaevandamisloa saamisel (seisuga 28.05.2012) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. plokki jääkvaru maht 548 tuh. m³, millest kaevandatav jääkvaru 508 tuh. m³. Kogu varu asub kaevandamiseloal taotluse järgi põhjavee tasemest kõrgemal. Ehitusliiva aktiivse tarbevaru 1. plokki lamam on 87,7 m absoluutkõrgusel.

Peale varu väljamist korrastatakse karjääri ala metsamaaks.

Markšeiderimöödistuse andmetel (seisuga 29.12.2022) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. plokki jääkvaru maht 515,4380 tuh. m³, millest kaevandatav jääkvaru 475,4380 tuh. m³.

Kaevandaja poolt deklareeritud mahtude alusel (seisuga 31.03.2024; lisa 3) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. plokki jääkvaru maht 503,8930 tuh. m³, millest kaevandatav jääkvaru 463,8930 tuh. m³.

Mäeeraldis asub metsamaal ning on ka läänest, lõunast ja idast ümbritsetud naaberkinnistute: Pugastu (katastritunnus 69701:002:0920) ja Võru Metskond 124 (katastritunnus

91804:001:0168) metsamaaga. Põhjas ja loodes külgneb mäeeraldis Kohandu (katastritunnus 91804:001:0110) kinnistu loodusliku rohumaa ja võsaga.

Pugastu I liivakarjäär piirneb idast ehitusliiva aktiivse tarbevaru 4 plokiga (pindala 15,97 ha; jääkvaru maht Maa-ameti kaardirakenduse alusel seisuga 31.03.2024 on 798 tuh. m³), täiteliiva aktiivse tarbevaru 5. plokiga (pindala 15,97 ha; jääkvaru maht seisuga 31.03.2024 on 199 tuh. m³), ehitusliiva aktiivse tarbevaru 6 plokiga (pindala 15,97 ha; jääkvaru maht seisuga 31.03.2024 on 462 tuh. m³) ja täiteliiva aktiivse tarbevaru 7. plokiga (pindala 15,97 ha; jääkvaru maht seisuga 31.03.2024 on 88 tuh. m³).

Lähimad elamud asuvad ligikaudu 255 m kaugusel edelas Pugestu (katastritunnus 69801:001:1258) maaüksusel ja ligikaudu 730 m kagus Kakuveski (katastritunnus 69701:002:1001) maaüksusel.

Mäeeraldisel ei asu looduskaitsealasid ega kaitsealuseid üksikobjekte. Mäeeraldise maa-alale ei jää hooneid, kommunikatsioone ega muid tehnovõrke. Kogu mäeeraldis jääb Nursipalu harjutusväljaku piiranguvööndisse. Ülevaade mäeeraldise seisundist on esitatud fotodel 1–8 (seisuga 2024 juuni; fotod teinud Ranek Rohtla).

Pugastu I mäeeraldise keskosa geograafilised koordinaadid on: 57°47'30" pl ja 26°54'30" ip (Eesti baaskaart, lehed 5421 ja 5422).



Foto 1. Pugastu I karjääri kesk-põhja-idaosa kaeveala vaatega ida suunas.



Foto 2. Pugastu I karjääri kesk-lõuna-lääneosa kaeveala vaatega lõuna suunas.



Foto 3. Pugastu I karjääri kesk-lääne-edela-loodeosa kaeveala vaatega edela suunas.



Foto 4. Pugastu I karjääri kesk-kagu-lõunaosa kaeveala vaatega kagu suunas.



Foto 5. Pugastu I karjääri kesk-kirde-põhjaosa kaeveala vaatega kirde suunas.



Foto 6. Pugastu I karjääri kesk-lõuna-kaguosa kaeveala vaatega kagu suunas.



Foto 7. Pugastu I karjääri kesk-lõuna-lääneosa kaeveala vaatega edela suunas.



Foto 8. Pugastu I karjääri kesk-põhjaosa kaeveala vaatega põhja suunas.

2.2. Mäeeraldiste geoloogiline iseloomustus

Pugastu liivamaardla varu, mis jääb Pugastu I liivakarjääri mäeeraldise piiridesse, on kinnitatud 1996. a geoloogilise uuringu põhjal (Kattai, V., 1996; EGF 5332).

Maastikuliselt on tegemist liustikujõetekkeline mõhnastikuga, kus on liiva kaevandatud 1960-ndate aastate algusest alates. Pugastu I mäeeraldis asub kirde-edelasuunalisel seljandikul (raiesmikul), kus maapinna absoluutne kõrgus on 89–98 m. Mäeeraldise edelapiiril kulgeb lühikesel lõigul Kohandu maaüksuse juurde-pääsutee.

Ala geoloogiline ehitus on suhteliselt lihtne. Uuringu andmetel levib siin jääjõelise tekkega peene- kuni jämedateralise liiva põimjaskihiline kompleks, milles üle 5 mm läbimõõduga fraktsiooni sisaldub keskmiselt 5,2%. Liiv on kvarts ja päevakivi koostisega, kruusafraktsioonis (>5 mm) on valdavaks karbonaatne materjal. Kompleksi paksus on puuraukude andmetel 4,7–13,1 m, keskmisena 8,0 m (tabel 1).

Uuringupuuraukude andmed

tabel 1

| Pa nr | Suudme abs. kõrg., m | Pa sügavus, m | Uuringu andmetel | | | |
|-------------------|----------------------------|------------------|------------------------|----------------------------|------------------------|----------------------------|
| | | | 01.12.2006 | | | |
| | | | Kattekihi paksus, m | Kasuliku kihi paksus, m | Kattekihi paksus, m | Kasuliku kihi paksus, m |
| 31 | 97 | 12,0 | 0,15 | 11,85+ | - | 4,4+ |
| 32 | 99,5 | 13,5 | 0,4 | 13,1+ | - | 4,5+ |
| 33 | 97 | 10,5 | 0,1 | 9,9 | 0,1 | 9,9 |
| 34 | 95,5 | 9,0 | 0,15 | 8,45 | 0,15 | 8,45 |
| 67 | 92 | 6,0 | 0,3 | 4,7 | - | 3,4 |
| 69 | 94 | 9,0 | 0,4 | 6,6 | 0,4 | 6,6 |
| 70 | 94 | 7,5 | 0,5 | 5,5+ | 0,5 | 5,5 |
| 83 | 93,5 | 7,5 | 0,8 | 6,2 | 0,8 | 6,2 |
| 84 | 94 | 6,0 | 0,3 | 5,2+ | 0,3 | 5,2+ |
| Keskmisena | | | 0,3 | 8,0 | 0,4 | 6,1 |

Kasuliku kihi lamamiks on hall savikas moreen, katendiks on keskmiselt (0,3 m) 0,4 m paksune kasvukiht.

Alal levib liustikujõesetete veekiht. Veepidemeks on savika moreeni kiht. Vesi on vabapinnaline, veetase asus uuringute ajal kuni 13 m sügavusel maapinnast, jäädes madalamale aktiivse tarbevaru lamamist. Veepinna absoluutne kõrgus oli 86,5 m (Pa 32). Veekiht toitub sademetest ja reljeefis kõrgemal asuvatest hüdrauiliselt seotud veekihtidest. Veekihti drenib 300 m kaugusel edelas põhja suunas voolav Rõuge jõgi.

3. MARKŠEIDERIMÕÕDISTUS

Topogeodeetilise mõõdistamise välitööd on tehtud 2024. aasta 13. juunil GPS RTK liikuvjaama Spectra SP85 abil, mille mõõdistamise plaaniline täpsus on horisontaalselt koordinaatide määramisel $\pm 5\text{mm} + 0,5\text{ppm}$, kõrguslikult $\pm 10\text{mm} + 1\text{ppm}$. GPS tööjaama lubatud maksimaalne vahemaa püsijaamast on tehniliste tingimuste järgi 35 km. Töö on teostatud L'EST 97 koordinaatide süsteemis, kõrgused on arvutatud EH2000 süsteemis. Koordinaadid on seotud riikliku geodeetilise põhivõrguga GPS püsijaamade võrgu GeoNet vahendusel. Nimetatud püsivõrgu haldaja on Geosoft OÜ. Mõõdistamisel kasutati Spectra SP85 liikuvjaama komplektis väliarvutit Ranger3. Liikuvjaam on enne ja pärast mõõdistust kontrollitud riiklikul tihendusvõrgu punktil NAVI (ID 11932; X=6418014,958, Y=673663,012, Z=90,223(EH2000)). GNSS vastuvõtuseadmega mõõdetud geodeetilise punkti koordinaadid olid enne mõõdistamise alustamist: X=6418014,956 (erinevus 0,002); Y=673663,014 (erinevus 0,002); Z=90,231 (erinevus 0,008) ja peale mõõdistamise lõpetamist: X=6418014,965 (erinevus 0,007); Y=673663,018 (erinevus 0,006); Z=90,235 (erinevus 0,012). Geodeetilise punkti mõõtmistulemuste erinevus geodeetiliste punktide andmekogus esitatud koordinaatidest vastab seadme tehnilises spetsifikatsioonis toodud täpsusandmetele ning jääb maapõueseaduses toodud lubatud erinevuste piiridesse (*Vastavalt 10.05.2019. a määrusele nr 32 „Markšeiderimõõdistuse täpsustatud nõuded ja kord” §1 (4) ei või GNSS-i vastuvõtuseadmega mõõdetud koordinaatide erinevus geodeetiliste punktide*

andmekogus esitatud koordinaatidest kontrollmõõtmisel ületada horisontaalselt 3 cm ($\Delta H < 0,030$ m) ja kõrguslikult 7 cm ($\Delta V < 0,070$ m)). Plaani koostamisel on kasutatud programmi MapInfo.

Nii eelnev markšeiderimõõdistus kui ka käesolev markšeiderimõõdistus on tehtud Euroopa (EH2000) kõrgussüsteemis.

4. KAEVANDATUD MAAVARA JA JÄÄKVARU ARVUTUS

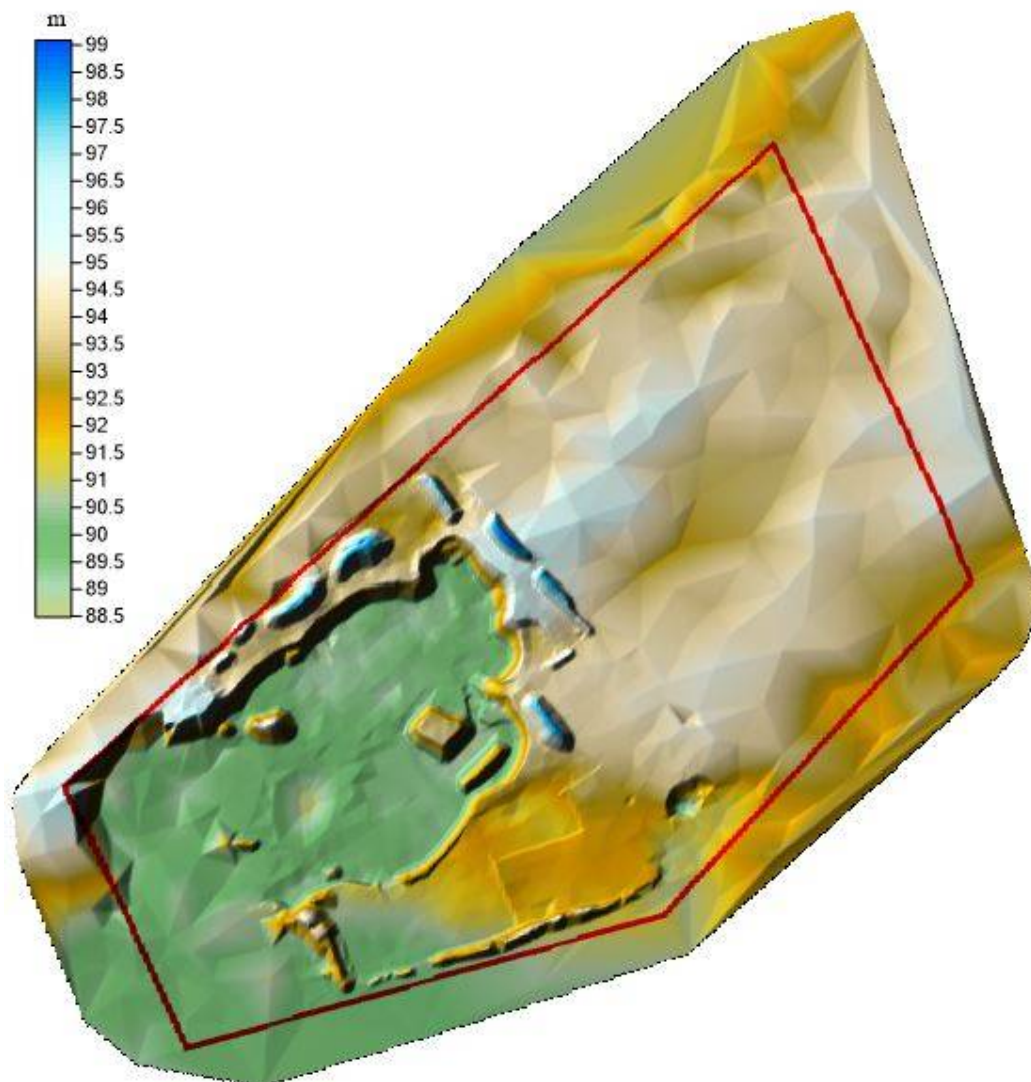
4.1. Kaevandatud maavara maht

Alates viimasest markšeiderimõõdistusest (seisuga 29.12.2022) on seisuga 13.06.2024. a mäeeraldisel kaevandatud 0,69 hektaril. Ajavahemikus 29.12.2022–13.06.2024 on mäeeraldisel kooritud 0,47 ha suurusel alal. Kaevandatud on plokist 1. Joonisel 1 on esitatud 2024. a maapinna reljefimudel.

Kaevandatud mahtude väljaselgitamiseks toimiti järgmiselt. **Kaevandatud maavara mahu** arvutused tehti arvutiprogrammiga Surfer 10 (Triangulation with Linear Interpolation meetodil) mäeeraldisel 29.12.2022. a geoloogilise uuringu ajal (Maavarauuringud OÜ) mõõdistatud maapinna mudeli ja 13.06.2024. a mõõdistatud maapinna mudeli vahelises ruumis, millest lahutati maha samal ajavahemikul kooritud katendi maht. Kooritud katendi maht saadi pindala ja keskmise korrutisena.

Kahe markšeiderimõõdistuse vahelisel perioodil, **ajavahemikul 29.12.2022–13.06.2024 on Pugastu I mäeeraldiselt ehitusliiva aktiivse tarbevaru plokist 1 kaevandatud 24,890 tuh. m³ (lisa 1) materjali (katend (muld) ja ehitusliiv). Ajavahemikul 29.12.2022–13.06.2024 on 0,47 ha suurusel alal ploki 1 piires kooritud katendit (keskmise paksus 0,4 m) mahuga 1,880 tuh. m³ (4700*0,4). Seega on ajavahemikul 29.12.2022–13.06.2024 Pugastu I mäeeraldiselt ehitusliiva aktiivse tarbevaru plokist 1 kaevandatud 23,010 tuh. m³ ehitusliiva (24,890-1,880).**

Seisuga 13.06.2024 on Pugastu I liivakarjääri mäeeraldisel ladudes **3,514 tuh. m³ materjali (lisa 2). Laopuistangute maht on arvestatud kaevandatud mahu hulka.**



Joonis 1. Pugastu I liivakarjääri mäeeraldise (piiritletud punase joonega) ja lähiümbruse reljeef seisuga 13.06.2024. a.

4.2. Jääkvaru maht

Kaevandamisloa saamisel (seisuga 28.05.2012) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. ploki jääkvaru maht 548 tuh. m³, millest kaevandatav jääkvaru 508 tuh. m³.

Markšeiderimõõdistuse andmetel (seisuga 29.12.2022) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. ploki jääkvaru maht 515,4380 tuh. m³, millest kaevandatav jääkvaru 475,4380 tuh. m³.

Markšeiderimõõdistuse andmetel (seisuga 13.06.2024) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. ploki jääkvaru maht 492,4280 tuh. m³, millest kaevandatav jääkvaru 452,4280 tuh. m³.

Kaevandaja poolt deklareeritud mahtude alusel (seisuga 31.03.2024; *lisa 3*) oli mäeeraldise ehitusliiva aktiivse tarbevaru 1. plokki jääkvaru maht 503,8930 tuh. m³, millest kaevandatav jääkvaru 463,8930 tuh. m³.

Tabelis 2 on esitatud kokkuvõtvalt käesolevas töös arvatud jääkvaru koguse ja Pugastu I liivakarjääri mäeeraldise bilansilise (mäeeraldise detailandmetel seisuga 31.03.2024; *lisa 3*) koguse võrdlus.

Tabel 2

| Plokk, maavara | Jääkvaru seisuga 29.12.2022, tuh. m ³ | Kaevandatud maht MS alusel ajavahemikul 29.12.2022- 13.06.2024, tuh. m ³ | Jääkvaru seisuga 13.06.2024, tuh. m ³ | Bilansiline jääkvaru seisuga 31.03.2024, tuh. m ³ | Tegeliku ja bilansilise jääkvaru vahe, tuh. m ³ |
|----------------|--|--|---|---|---|
| 1 – ehitusliiv | 515,4380 | 23,0100 | 492,4280 | 503,8930 | +11,4650 |
| KOKKU | 515,4380 | 23,0100 | 492,4280 | 503,8930 | +11,4650 |

+ märgiga juurde deklareeritav kogus

5. KOKKUVÕTE

Alates viimasest markšeiderimõõdistusest (seisuga 29.12.2022) on seisuga 13.06.2024. a on Pugastu I liivakarjääri mäeeraldiselt kaevandatud 0,69 hektarilt ehitusliiva aktiivse tarbevaru 1. plokist kokku 23,0100 tuh. m³ ehitusliiva. Väljapoole mäeeraldist pindalaliselt ja sügavuti pole kaevandatud.

Kaevandamisega rikutud ala (kaevandamine, katendi koorimine, katendi ladustamine) kogupindala on 4,47 ha. Kasutatud ega kasutuskõlbmatuks muudetud maavaravaru koguseid mäeeraldisel ei ole.

6. KASUTATUD MATERJALID

Grünberg, R., 2006. Pugastu I liivakarjääri maavara kaevandamise loa taotlus.

Kattai, V., 1996. Pugastu I liivakarjääri jääkvaru hinnang. (seisuga 01.05.1996.a.) Tallinn. EGF 5332.

Maapõueseadus (vastu võetud 27.10.2016) § 76 (Markšeiderimõõdistus).

Maavarauuringud OÜ. Pugastu I liivakarjääri markšeiderimõõdistus seisuga 29.12.2022.

Majandus- ja taristuministri määrus nr 32 „Markšeiderimõõdistuse täpsustatud nõuded ja kord” (RT I, 07.05.2019, 5).

Pugastu maardla registrikaart nr 0088.

Pugastu I liivakarjääri kaevandamise luba nr L.MK/319413.

Lisa 1

Arvutiprogramm Surfer raport. Pugastu I liivakarjääri mäeeraldiselt kaevandatud ehitusliiva maht aktiivse tarbevaru plokist 1 ajavahemikul 29.12.2022–13.06.2024.

Grid Volume Computations

Upper Surface

| | |
|-----------------|---|
| Grid File Name: | I:\LEPINGUD III\PUGASTU MS 2024\SURFER 2024\out2022.grd |
| Grid Size: | 484 rows x 529 columns |
| X Minimum: | 671769.16 |
| X Maximum: | 672296.78 |
| X Spacing: | 0.99928030303029 |
| Y Minimum: | 6409789.87 |
| Y Maximum: | 6410273.02 |
| Y Spacing: | 1.0003105590051 |
| Z Minimum: | 88.486976066756 |
| Z Maximum: | 97.621150657295 |

Lower Surface

| | |
|-----------------|---|
| Grid File Name: | I:\LEPINGUD III\PUGASTU MS 2024\SURFER 2024\out2024.grd |
| Grid Size: | 484 rows x 529 columns |
| X Minimum: | 671769.16 |
| X Maximum: | 672296.78 |
| X Spacing: | 0.99928030303029 |
| Y Minimum: | 6409789.87 |
| Y Maximum: | 6410273.02 |
| Y Spacing: | 1.0003105590051 |
| Z Minimum: | 88.486976066756 |
| Z Maximum: | 97.621150657295 |

Volumes

| | |
|-----------------|---|
| Z Scale Factor: | 1 |
|-----------------|---|

Total Volumes by:

| | |
|---------------------|-----------------|
| Trapezoidal Rule: | 22256.666447206 |
| Simpson's Rule: | 22258.724765118 |
| Simpson's 3/8 Rule: | 22259.755106712 |

Cut & Fill Volumes

| | |
|-------------------------|---|
| Positive Volume [Cut]: | 24890.254589011 ehk mäeeraldiselt kaevandatud maht on 24,890 tuh. m³. |
| Negative Volume [Fill]: | 2633.5881418052 |
| Net Volume [Cut-Fill]: | 22256.666447206 |

Ajavahemikul 29.12.2022–13.06.2024 on Pugastu I mäeeraldiselt ehitusliiva aktiivse tarbevaru plokist 1 kaevandatud 24,890 tuh. m³ materjali (katend (muld) ja ehitusliiv). Ajavahemikul 29.12.2022–13.06.2024 on 0,47 ha suurusel alal plokist 1 piires kooritud katendit (keskmise paksus 0,4 m) mahuga 1,880 tuh. m³ (4700*0,4). Seega on ajavahemikul 29.12.2022–13.06.2024 Pugastu I mäeeraldiselt ehitusliiva aktiivse tarbevaru plokist 1 kaevandatud 23,010 tuh. m³ ehitusliiva (24,890-1,880).

Arvutiprogramm Surfer raport. Pugastu I liivakarjääri mäeeraldisel asuvate ladude maht seisuga 13.06.2024.

Grid Volume Computations

Upper Surface

| | |
|-----------------|---|
| Grid File Name: | I:\LEPINGUD III\PUGASTU MS 2024\SURFER 2024\TOPO 2024.grd |
| Grid Size: | 484 rows x 529 columns |
| X Minimum: | 671769.16 |
| X Maximum: | 672296.78 |
| X Spacing: | 0.99928030303029 |
| Y Minimum: | 6409789.87 |
| Y Maximum: | 6410273.02 |
| Y Spacing: | 1.0003105590051 |
| Z Minimum: | 88.486976066756 |
| Z Maximum: | 99.092162279954 |

Lower Surface

| | |
|-----------------|---|
| Grid File Name: | I:\LEPINGUD III\PUGASTU MS 2024\SURFER 2024\TOPO 2024 lad.grd |
| Grid Size: | 484 rows x 529 columns |
| X Minimum: | 671769.16 |
| X Maximum: | 672296.78 |
| X Spacing: | 0.99928030303029 |
| Y Minimum: | 6409789.87 |
| Y Maximum: | 6410273.02 |
| Y Spacing: | 1.0003105590051 |
| Z Minimum: | 88.486976066756 |
| Z Maximum: | 99.092162279954 |

Volumes

| | |
|-----------------|---|
| Z Scale Factor: | 1 |
|-----------------|---|

Total Volumes by:

| | |
|---------------------|-----------------|
| Trapezoidal Rule: | 3513.5628429435 |
| Simpson's Rule: | 3514.3187836296 |
| Simpson's 3/8 Rule: | 3513.7702235712 |

Cut & Fill Volumes

| | |
|-------------------------|---|
| Positive Volume [Cut]: | 3513.5628429435 |
| Negative Volume [Fill]: | 9.9086203172759E-011 |
| Net Volume [Cut-Fill]: | 3513.5628429434 ehk maht ladude puistangutes on 3,514 tuh. m ³ . |

Seisuga 13.06.2024. a on Pugastu I liivakarjääri mäeeraldisel asuvate ladude puistangutes kokku 3,514 tuh. m³ materjali.

Mäeeraldise detailandmed

Kood 570

Nimetus Pugastu I liivakarjäär

Maardla 88 - Pugastu

Seisund aktiivne

Asukoht Võru maakond Võru vald

Kaevandamisloa number L.MK/319413

Kaevandamisloa kehtivus 28.05.2012 - 27.05.2027

Kaevandamisloa omaja Võru Betoon OÜ

Maavara kasutamise eesmärk ehitus, teedeehitus

Korrastamissuund metsamaa

Mäeeraldise varu loa vormil ehitusliiv aT 548 tuh m3

| Kasutusala | Max kogus aastas | Kaevandatav varu loa vormil |
|-------------------|-------------------------|------------------------------------|
| ehitusliiv | - | 508 |

Plokid

| Registrikaart | Ploki nimi | Kasutusala | Uuringuviis | Ploki liik | Jääkvaru kogus |
|----------------------|-------------------|-------------------|----------------------|-------------------|-----------------------|
| 88 | 1 plokk | ehitusliiv | 2005. a määrus nr 44 | aT | 503.893 |

Lisa 4. Pugastu I liivakarjääri mõõdistuspunktid seisuga 13.06.2024

| | | | | | | | |
|----|-------------|------------|--------|-----|-------------|------------|--------|
| 1 | 6409921,070 | 671924,290 | 89,626 | 53 | 6409852,420 | 671875,460 | 90,273 |
| 2 | 6409909,740 | 671919,330 | 89,610 | 54 | 6409948,960 | 671920,470 | 89,878 |
| 3 | 6409901,370 | 671913,360 | 89,884 | 55 | 6409945,370 | 671925,590 | 89,890 |
| 4 | 6409896,580 | 671904,400 | 89,927 | 56 | 6409914,750 | 671930,820 | 90,015 |
| 5 | 6409895,210 | 671895,100 | 89,906 | 57 | 6409910,800 | 671925,590 | 89,751 |
| 6 | 6409900,560 | 671890,230 | 90,069 | 58 | 6409920,660 | 671929,540 | 89,972 |
| 7 | 6409910,800 | 671889,520 | 90,087 | 59 | 6409926,520 | 671928,830 | 89,849 |
| 8 | 6409920,810 | 671891,490 | 89,950 | 60 | 6409926,750 | 671922,730 | 89,472 |
| 9 | 6409930,300 | 671895,050 | 89,883 | 61 | 6409932,870 | 671921,470 | 89,491 |
| 10 | 6409934,950 | 671907,020 | 89,785 | 62 | 6409936,950 | 671915,080 | 89,705 |
| 11 | 6409930,880 | 671917,100 | 89,454 | 63 | 6409939,730 | 671907,560 | 89,956 |
| 12 | 6409922,370 | 671909,480 | 88,555 | 64 | 6409941,570 | 671896,790 | 90,001 |
| 13 | 6409922,810 | 671906,000 | 88,564 | 65 | 6409945,320 | 671892,700 | 89,998 |
| 14 | 6409918,950 | 671903,970 | 88,567 | 66 | 6409941,750 | 671913,440 | 89,854 |
| 15 | 6409912,060 | 671903,820 | 88,472 | 67 | 6409941,610 | 671920,260 | 89,941 |
| 16 | 6409911,750 | 671907,730 | 88,525 | 68 | 6409940,380 | 671928,280 | 89,871 |
| 17 | 6409911,700 | 671907,770 | 88,525 | 69 | 6409925,430 | 671935,790 | 90,166 |
| 18 | 6409915,600 | 671911,360 | 88,569 | 70 | 6409932,160 | 671936,040 | 90,012 |
| 19 | 6409920,220 | 671910,760 | 88,535 | 71 | 6409946,410 | 672027,790 | 94,230 |
| 20 | 6409919,270 | 671908,060 | 88,550 | 72 | 6409948,880 | 672050,210 | 94,267 |
| 21 | 6409919,280 | 671908,060 | 88,556 | 73 | 6409947,920 | 672056,030 | 94,340 |
| 22 | 6409919,270 | 671908,060 | 88,559 | 74 | 6409947,020 | 672062,730 | 94,412 |
| 23 | 6409900,050 | 671919,720 | 89,759 | 75 | 6409945,630 | 672068,880 | 94,337 |
| 24 | 6409895,890 | 671914,450 | 89,802 | 76 | 6409944,560 | 672076,230 | 94,191 |
| 25 | 6409891,840 | 671906,730 | 89,922 | 77 | 6409936,720 | 672079,780 | 94,308 |
| 26 | 6409879,990 | 671878,190 | 90,132 | 78 | 6409928,300 | 672083,730 | 94,586 |
| 27 | 6409882,340 | 671874,840 | 90,130 | 79 | 6409919,680 | 672086,480 | 94,539 |
| 28 | 6409877,210 | 671867,040 | 90,475 | 80 | 6409905,940 | 672090,990 | 94,753 |
| 29 | 6409874,100 | 671868,530 | 90,537 | 81 | 6409898,990 | 672091,770 | 94,516 |
| 30 | 6409870,880 | 671867,820 | 90,689 | 82 | 6409892,050 | 672093,220 | 94,408 |
| 31 | 6409873,130 | 671870,560 | 90,744 | 83 | 6409883,480 | 672094,440 | 93,958 |
| 32 | 6409872,660 | 671870,680 | 90,868 | 84 | 6409879,090 | 672094,860 | 93,481 |
| 33 | 6409873,870 | 671875,880 | 90,818 | 85 | 6409880,830 | 672090,590 | 93,888 |
| 34 | 6409991,810 | 671876,150 | 94,006 | 86 | 6409880,260 | 672087,170 | 93,873 |
| 35 | 6409989,710 | 671872,850 | 94,223 | 87 | 6409879,390 | 672082,560 | 93,792 |
| 36 | 6409986,960 | 671870,420 | 94,983 | 88 | 6409878,270 | 672078,560 | 93,757 |
| 37 | 6409970,510 | 671851,270 | 96,163 | 89 | 6409876,770 | 672075,920 | 93,624 |
| 38 | 6409975,260 | 671856,610 | 95,684 | 90 | 6409873,860 | 672073,710 | 93,248 |
| 39 | 6409978,170 | 671862,080 | 96,239 | 91 | 6409870,560 | 672071,420 | 93,070 |
| 40 | 6409983,500 | 671864,440 | 95,721 | 92 | 6409866,960 | 672071,990 | 92,431 |
| 41 | 6409988,630 | 671866,950 | 95,073 | 93 | 6409863,100 | 672073,230 | 91,948 |
| 42 | 6409994,080 | 671871,740 | 93,670 | 94 | 6409862,460 | 672075,730 | 91,707 |
| 43 | 6409994,080 | 671871,740 | 93,665 | 95 | 6409861,660 | 672079,440 | 91,377 |
| 44 | 6409996,480 | 671875,110 | 93,497 | 96 | 6409862,860 | 672085,350 | 91,248 |
| 45 | 6409996,480 | 671875,110 | 93,493 | 97 | 6409866,090 | 672089,040 | 91,607 |
| 46 | 6410004,480 | 671887,010 | 93,285 | 98 | 6409869,140 | 672090,960 | 91,931 |
| 47 | 6410019,870 | 671913,820 | 93,052 | 99 | 6409871,240 | 672090,930 | 92,006 |
| 48 | 6410023,780 | 671919,930 | 92,399 | 100 | 6409871,220 | 672090,930 | 91,999 |
| 49 | 6410030,190 | 671929,860 | 94,100 | 101 | 6409870,700 | 672093,580 | 92,239 |
| 50 | 6410028,620 | 671935,670 | 94,602 | 102 | 6409872,050 | 672096,330 | 92,145 |
| 51 | 6410033,420 | 671934,080 | 93,972 | 103 | 6409874,790 | 672097,910 | 92,774 |
| 52 | 6409847,630 | 671889,180 | 90,188 | 104 | 6409874,750 | 672095,960 | 92,066 |

| | | | | | | | |
|-----|-------------|------------|--------|-----|-------------|------------|--------|
| 105 | 6409873,300 | 672094,010 | 91,799 | 159 | 6409818,750 | 671886,700 | 89,692 |
| 106 | 6409874,950 | 672093,570 | 91,713 | 160 | 6409817,410 | 671887,050 | 89,846 |
| 107 | 6409872,080 | 672090,720 | 91,777 | 161 | 6409818,390 | 671896,960 | 89,923 |
| 108 | 6409873,230 | 672089,660 | 91,431 | 162 | 6409818,170 | 671906,490 | 89,936 |
| 109 | 6409869,480 | 672089,470 | 90,920 | 163 | 6409819,240 | 671917,810 | 89,907 |
| 110 | 6409866,280 | 672086,200 | 90,833 | 164 | 6409819,350 | 671927,350 | 90,064 |
| 111 | 6409866,080 | 672082,270 | 90,478 | 165 | 6409818,980 | 671936,980 | 90,121 |
| 112 | 6409864,130 | 672079,600 | 90,192 | 166 | 6409819,020 | 671944,440 | 90,167 |
| 113 | 6409865,980 | 672076,830 | 90,002 | 167 | 6409818,480 | 671952,760 | 90,167 |
| 114 | 6409869,910 | 672076,770 | 89,989 | 168 | 6409817,300 | 671962,990 | 90,301 |
| 115 | 6409870,860 | 672079,180 | 90,390 | 169 | 6409816,670 | 671971,740 | 90,330 |
| 116 | 6409871,030 | 672082,150 | 90,483 | 170 | 6409817,710 | 671979,420 | 90,355 |
| 117 | 6409871,380 | 672084,180 | 91,016 | 171 | 6409818,310 | 671990,350 | 90,639 |
| 118 | 6409874,280 | 672087,740 | 91,637 | 172 | 6409818,710 | 671999,160 | 90,792 |
| 119 | 6409876,860 | 672090,180 | 92,080 | 173 | 6409818,500 | 672006,860 | 90,876 |
| 120 | 6409884,790 | 672083,800 | 94,132 | 174 | 6409818,390 | 672013,760 | 90,811 |
| 121 | 6409890,920 | 672081,450 | 94,092 | 175 | 6409819,250 | 672023,910 | 91,013 |
| 122 | 6409901,500 | 672078,920 | 94,431 | 176 | 6409822,130 | 672038,290 | 91,287 |
| 123 | 6409908,150 | 672076,410 | 94,147 | 177 | 6409823,280 | 672049,970 | 90,988 |
| 124 | 6409916,720 | 672073,390 | 94,573 | 178 | 6409827,150 | 672061,080 | 90,803 |
| 125 | 6409924,300 | 672069,190 | 94,554 | 179 | 6409829,520 | 672071,800 | 90,774 |
| 126 | 6409930,910 | 672065,670 | 94,405 | 180 | 6409835,460 | 672084,350 | 91,330 |
| 127 | 6409935,520 | 672061,160 | 94,294 | 181 | 6409840,740 | 672093,110 | 92,085 |
| 128 | 6409938,000 | 672057,030 | 94,345 | 182 | 6409846,080 | 672101,270 | 92,256 |
| 129 | 6409940,220 | 672049,600 | 94,351 | 183 | 6409851,310 | 672108,650 | 91,935 |
| 130 | 6409932,100 | 672052,160 | 94,188 | 184 | 6409856,420 | 672114,250 | 92,088 |
| 131 | 6409923,160 | 672055,450 | 94,154 | 185 | 6409861,160 | 672116,700 | 92,172 |
| 132 | 6409913,000 | 672060,560 | 94,254 | 186 | 6409867,370 | 672116,180 | 91,853 |
| 133 | 6409906,880 | 672062,770 | 94,047 | 187 | 6409873,130 | 672110,990 | 92,132 |
| 134 | 6409901,330 | 672064,720 | 93,876 | 188 | 6409878,760 | 672110,900 | 92,981 |
| 135 | 6409892,810 | 672067,040 | 93,857 | 189 | 6409886,910 | 672108,770 | 93,984 |
| 136 | 6409885,250 | 672068,060 | 93,494 | 190 | 6409895,150 | 672103,930 | 94,767 |
| 137 | 6409882,470 | 672064,560 | 93,265 | 191 | 6409903,380 | 672100,520 | 94,832 |
| 138 | 6409879,450 | 672060,020 | 92,880 | 192 | 6409910,710 | 672099,210 | 94,723 |
| 139 | 6409876,250 | 672055,570 | 92,185 | 193 | 6409900,420 | 672081,550 | 94,452 |
| 140 | 6409884,700 | 672055,190 | 92,846 | 194 | 6409893,670 | 672084,130 | 94,148 |
| 141 | 6409895,440 | 672053,520 | 93,502 | 195 | 6409882,190 | 672094,710 | 93,809 |
| 142 | 6409904,920 | 672052,270 | 93,886 | 196 | 6409880,660 | 672085,760 | 93,676 |
| 143 | 6409912,040 | 672049,730 | 94,105 | 197 | 6409879,540 | 672083,150 | 93,788 |
| 144 | 6409919,120 | 672046,050 | 94,070 | 198 | 6409884,910 | 672078,520 | 93,851 |
| 145 | 6409927,580 | 672042,270 | 94,154 | 199 | 6409891,390 | 672074,820 | 93,833 |
| 146 | 6409934,820 | 672038,250 | 94,277 | 200 | 6409890,800 | 672061,660 | 93,349 |
| 147 | 6409941,660 | 672031,730 | 93,981 | 201 | 6409881,370 | 672064,290 | 93,100 |
| 148 | 6409871,320 | 671869,450 | 90,650 | 202 | 6409875,310 | 672065,940 | 92,816 |
| 149 | 6409872,100 | 671874,540 | 90,783 | 203 | 6409874,790 | 672073,730 | 93,277 |
| 150 | 6409869,540 | 671879,620 | 90,790 | 204 | 6409870,360 | 672070,510 | 92,636 |
| 151 | 6409869,770 | 671881,940 | 91,536 | 205 | 6409864,020 | 672072,180 | 91,698 |
| 152 | 6409868,740 | 671880,710 | 90,610 | 206 | 6409861,970 | 672075,980 | 91,599 |
| 153 | 6409850,930 | 671883,870 | 90,210 | 207 | 6409861,500 | 672083,640 | 91,041 |
| 154 | 6409846,420 | 671883,330 | 90,220 | 208 | 6409864,700 | 672089,390 | 91,231 |
| 155 | 6409838,740 | 671883,150 | 90,004 | 209 | 6409870,630 | 672092,130 | 91,821 |
| 156 | 6409834,390 | 671883,650 | 90,020 | 210 | 6409874,270 | 672092,750 | 91,807 |
| 157 | 6409827,900 | 671885,160 | 89,898 | 211 | 6409875,920 | 672089,470 | 91,833 |
| 158 | 6409822,950 | 671885,840 | 89,868 | 212 | 6409874,210 | 672083,410 | 91,702 |

213 6409871,170 672087,730 91,183
 214 6409870,240 672083,050 90,147
 215 6409870,260 672079,720 90,157
 216 6409869,990 672078,190 90,040
 217 6409867,360 672077,720 89,696
 218 6409865,710 672079,290 89,838
 219 6409866,290 672081,620 90,240
 220 6409867,190 672086,170 90,629
 221 6409868,950 672088,660 90,990
 222 6409869,900 672092,600 91,838
 223 6409872,270 672096,830 92,057
 224 6409865,940 672097,670 91,287
 225 6409860,920 672099,810 91,141
 226 6409854,880 672094,730 91,085
 227 6409857,320 672090,320 91,164
 228 6409854,900 672084,500 91,205
 229 6409848,490 672086,820 91,316
 230 6409843,880 672080,370 90,894
 231 6409850,170 672076,840 90,928
 232 6409856,780 672072,610 91,239
 233 6409865,090 672068,370 91,972
 234 6409873,090 672064,080 92,534
 235 6409878,770 672057,620 92,561
 236 6409837,570 672004,320 91,427
 237 6409824,660 671896,310 89,937
 238 6409830,680 671892,280 89,930
 239 6409839,380 671891,760 89,913
 240 6409840,470 671887,620 89,949
 241 6410029,020 672187,060 93,280
 242 6409971,590 672063,600 94,080
 243 6409942,630 672164,390 94,480
 244 6409908,530 672093,390 93,580
 245 6410065,100 672216,850 93,680
 246 6409992,780 672224,470 94,480
 247 6409980,200 672247,800 95,280
 248 6410038,290 672244,660 94,580
 249 6410089,760 672243,000 93,780
 250 6410112,600 672241,510 94,180
 251 6410139,410 672241,680 94,680
 252 6410165,400 672244,990 94,580
 253 6410166,560 672214,200 93,580
 254 6410173,840 672179,120 93,080
 255 6410150,340 672168,190 93,680
 256 6410115,250 672179,280 94,380
 257 6410079,000 672178,950 94,280
 258 6409905,720 672188,720 92,380
 259 6409880,230 672134,270 93,480
 260 6409944,780 672126,490 94,380
 261 6409976,390 672143,200 93,980
 262 6410009,990 672117,710 93,580
 263 6410064,770 672127,650 95,780
 264 6410097,370 672131,290 94,580
 265 6410146,200 672120,690 93,680
 266 6410116,900 672064,420 94,280

267 6410088,600 672071,870 94,580
 268 6410045,080 672095,700 95,220
 269 6410093,900 672032,650 94,380
 270 6410081,320 671985,970 93,580
 271 6409816,350 671864,820 90,280
 272 6409838,530 671871,940 90,780
 273 6410027,700 671917,290 93,780
 274 6410001,550 671874,760 95,080
 275 6409978,210 671840,500 94,780
 276 6409968,940 671849,100 90,480
 277 6409944,780 671819,970 90,780
 278 6409924,420 671812,690 89,080
 279 6409874,770 671813,020 90,380
 280 6409923,100 671798,620 94,480
 281 6409900,260 671809,380 91,680
 282 6409946,930 671802,600 97,680
 283 6409941,640 671785,380 95,980
 284 6409965,140 671820,140 95,580
 285 6409963,650 671827,920 90,580
 286 6409902,740 672236,550 91,880
 287 6409847,960 672127,650 91,790
 288 6409877,090 672182,920 91,900
 289 6409798,640 672063,430 90,760
 290 6409801,950 671989,450 90,500
 291 6409792,350 671931,520 89,890
 292 6409789,870 671856,380 89,600
 293 6409891,650 671785,710 90,890
 294 6409923,100 671769,160 93,700
 295 6409841,170 671782,400 89,420
 296 6410094,430 672012,020 94,500
 297 6410103,930 672027,080 93,700
 298 6410052,970 672024,520 94,600
 299 6410079,950 672030,650 94,010
 300 6410061,460 672043,580 94,100
 301 6410111,430 672050,270 93,800
 302 6410043,920 672044,270 94,240
 303 6410016,490 672043,080 96,190
 304 6410072,940 672049,710 93,830
 305 6410089,470 672053,960 93,500
 306 6410004,930 672050,460 95,680
 307 6410031,940 672054,900 94,940
 308 6410132,950 672073,460 92,610
 309 6410055,940 672067,270 93,940
 310 6410034,900 672068,580 95,710
 311 6410075,950 672072,710 94,000
 312 6410019,960 672071,270 95,930
 313 6410066,930 672081,960 94,850
 314 6410141,470 672091,960 93,260
 315 6410108,420 672090,330 92,850
 316 6410097,980 672094,270 93,840
 317 6410012,930 672094,080 95,030
 318 6410058,960 672098,710 95,320
 319 6410074,930 672100,270 94,210
 320 6410117,010 672109,020 94,100

321 6410092,220 672109,020 94,100
 322 6410022,480 672102,830 95,270
 323 6410081,310 672117,900 94,850
 324 6410069,400 672116,710 95,350
 325 6410054,430 672117,830 95,280
 326 6410106,670 672126,460 94,370
 327 6410164,240 672132,330 91,320
 328 6410035,470 672121,210 93,690
 329 6410129,220 672133,150 93,980
 330 6410171,330 672147,400 91,400
 331 6410018,470 672132,080 93,080
 332 6410145,480 672149,770 93,370
 333 6410129,430 672148,210 93,130
 334 6410039,410 672141,710 93,300
 335 6410111,360 672149,770 93,900
 336 6410074,430 672148,580 94,950
 337 6410178,460 672159,150 90,810
 338 6410056,480 672149,330 93,930
 339 6410102,900 672166,770 94,790
 340 6410127,950 672169,330 92,800
 341 6410189,570 672175,460 91,350
 342 6410088,480 672169,460 94,460
 343 6410029,720 672166,210 93,230
 344 6410006,430 672169,080 93,380
 345 6410197,940 672190,830 91,260
 346 6410131,920 672186,770 92,750
 347 6410098,450 672183,400 94,270
 348 6410051,430 672178,710 94,290
 349 6410151,420 672192,080 93,740
 350 6410164,460 672196,020 92,940
 351 6410180,440 672201,770 93,900
 352 6410209,960 672208,330 91,920
 353 6410068,430 672195,830 93,640
 354 6410137,920 672205,210 93,330
 355 6410110,910 672205,020 94,210
 356 6410086,440 672203,580 93,770
 357 6410151,950 672210,150 93,860
 358 6410014,960 672197,960 94,070
 359 6410043,930 672201,960 93,990
 360 6410191,440 672218,150 91,980
 361 6410121,930 672212,210 93,750
 362 6410214,420 672229,210 92,180
 363 6410143,930 672227,020 94,120
 364 6410183,440 672231,020 93,130
 365 6410093,450 672223,710 93,410
 366 6410195,460 672240,210 93,220
 367 6410221,420 672242,830 92,490
 368 6410031,430 672225,020 95,010
 369 6410013,980 672223,270 94,150
 370 6410173,920 672242,830 93,520
 371 6410173,430 672244,580 93,730
 372 6410127,940 672240,020 94,360
 373 6410151,910 672248,400 94,560
 374 6410229,900 672256,330 93,490

375 6410204,930 672259,020 92,790
 376 6410059,450 672245,900 93,640
 377 6410126,960 672257,830 94,660
 378 6410103,970 672255,580 94,630
 379 6410077,980 672253,830 93,050
 380 6410010,490 672248,770 94,500
 381 6410186,460 672267,270 93,770
 382 6410161,950 672270,020 94,960
 383 6410091,460 672267,770 93,910
 384 6410130,940 672271,830 93,830
 385 6410108,460 672274,020 93,540
 386 6410067,970 672272,270 94,610
 387 6410045,480 672270,830 94,940
 388 6410020,450 672272,650 95,350
 389 6410089,470 672287,330 94,830
 390 6410002,450 671839,330 94,070
 391 6410011,440 671854,770 93,340
 392 6410024,430 671878,580 93,930
 393 6410033,440 671896,650 92,350
 394 6410047,930 671922,650 93,900
 395 6410056,950 671942,330 94,340
 396 6410073,470 671964,080 93,770
 397 6409995,940 672063,830 94,840
 398 6409985,430 672070,400 94,290
 399 6409951,470 672083,020 94,330
 400 6409986,480 672093,460 92,870
 401 6409928,920 672088,270 94,600
 402 6409821,940 672085,210 91,320
 403 6409974,450 672107,270 93,690
 404 6409950,930 672107,520 94,040
 405 6409994,480 672115,210 92,670
 406 6409929,930 672113,830 94,900
 407 6409960,410 672123,710 93,580
 408 6409833,450 672116,150 93,010
 409 6409906,920 672131,710 94,310
 410 6409990,980 672152,020 93,110
 411 6409929,990 672148,520 94,490
 412 6409852,920 672143,270 92,480
 413 6409959,450 672159,210 94,560
 414 6409892,410 672153,270 92,470
 415 6409860,420 672162,150 92,720
 416 6409904,910 672167,330 92,020
 417 6409972,980 672178,400 94,480
 418 6409876,450 672168,770 92,680
 419 6409923,560 672176,020 94,030
 420 6409991,620 672183,770 94,940
 421 6409958,340 672197,330 93,390
 422 6409988,640 672210,710 94,340
 423 6409894,470 672201,830 93,050
 424 6409930,890 672208,210 92,820
 425 6409882,690 672207,650 93,290
 426 6409971,590 672225,020 94,170
 427 6409949,950 672225,400 93,080
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| 1081 | 6410005,130 | 672043,720 | 96,184 | 1135 | 6409983,630 | 672046,800 | 95,562 |
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| 1084 | 6410008,300 | 672035,190 | 96,143 | 1138 | 6409993,930 | 672041,210 | 95,470 |
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| 1087 | 6410022,940 | 672026,230 | 95,232 | 1141 | 6409996,680 | 672041,630 | 95,941 |
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| 1089 | 6410031,170 | 672026,010 | 94,596 | 1143 | 6409999,300 | 672043,110 | 96,049 |
| 1090 | 6410033,350 | 672028,190 | 94,419 | 1144 | 6409995,840 | 672044,830 | 98,274 |
| 1091 | 6410033,880 | 672032,170 | 96,030 | 1145 | 6409996,600 | 672046,060 | 98,369 |
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| 1093 | 6410029,650 | 672031,510 | 97,752 | 1147 | 6409992,920 | 672045,780 | 97,978 |
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| 1095 | 6410025,450 | 672029,840 | 98,325 | 1149 | 6409989,870 | 672047,670 | 98,239 |
| 1096 | 6410025,670 | 672031,630 | 98,664 | 1150 | 6409986,250 | 672051,260 | 97,899 |
| 1097 | 6410022,310 | 672033,000 | 98,933 | 1151 | 6409985,430 | 672050,210 | 97,845 |
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| 1100 | 6410017,680 | 672035,630 | 99,104 | 1154 | 6409979,110 | 672053,760 | 97,404 |
| 1101 | 6410013,970 | 672037,480 | 99,046 | 1155 | 6409979,050 | 672052,790 | 97,215 |
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| 1112 | 6409996,060 | 672050,050 | 95,433 | 1166 | 6409965,030 | 672060,920 | 95,137 |
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| 1115 | 6409983,160 | 672056,790 | 94,904 | 1169 | 6409961,610 | 672055,270 | 93,441 |
| 1116 | 6409979,270 | 672057,360 | 94,646 | 1170 | 6409959,990 | 672052,920 | 93,670 |
| 1117 | 6409976,330 | 672057,180 | 94,558 | 1171 | 6409960,430 | 672052,150 | 93,504 |
| 1118 | 6409973,290 | 672058,290 | 94,341 | 1172 | 6409958,640 | 672050,600 | 93,677 |
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| 1120 | 6409966,150 | 672063,170 | 93,662 | 1174 | 6409956,580 | 672051,490 | 93,791 |
| 1121 | 6409963,420 | 672063,410 | 93,602 | 1175 | 6409953,460 | 672050,440 | 94,072 |
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| 1123 | 6409961,960 | 672059,500 | 93,957 | 1177 | 6409949,720 | 672041,810 | 94,086 |
| 1124 | 6409963,280 | 672058,200 | 93,953 | 1178 | 6409949,290 | 672038,130 | 94,132 |
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| 1126 | 6409964,730 | 672057,490 | 93,534 | 1180 | 6409952,980 | 672036,380 | 94,374 |
| 1127 | 6409965,170 | 672057,610 | 94,045 | 1181 | 6409954,580 | 672037,310 | 94,280 |
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| 1129 | 6409969,760 | 672054,860 | 94,307 | 1183 | 6409953,450 | 672034,980 | 94,342 |
| 1130 | 6409973,780 | 672051,730 | 94,402 | 1184 | 6409954,290 | 672034,380 | 93,725 |

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| 1185 | 6409951,750 | 672032,400 | 94,118 | 1239 | 6409951,100 | 672007,480 | 91,313 |
| 1186 | 6409956,190 | 672039,690 | 93,634 | 1240 | 6409952,940 | 672008,910 | 91,334 |
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| 1189 | 6409956,840 | 672044,980 | 94,058 | 1243 | 6409956,830 | 672006,830 | 90,295 |
| 1190 | 6409958,830 | 672047,740 | 93,676 | 1244 | 6409957,930 | 672007,640 | 89,555 |
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| 1192 | 6409955,810 | 672048,760 | 95,273 | 1246 | 6409959,640 | 672002,890 | 89,688 |
| 1193 | 6409955,170 | 672048,730 | 95,209 | 1247 | 6409957,830 | 672000,170 | 89,441 |
| 1194 | 6409953,870 | 672045,300 | 95,519 | 1248 | 6409954,680 | 672001,120 | 90,181 |
| 1195 | 6409954,460 | 672045,020 | 95,508 | 1249 | 6409954,310 | 672000,700 | 90,213 |
| 1196 | 6409952,820 | 672041,780 | 95,351 | 1250 | 6409951,930 | 672003,390 | 90,643 |
| 1197 | 6409953,670 | 672041,630 | 95,305 | 1251 | 6409951,540 | 672002,860 | 91,049 |
| 1198 | 6409951,880 | 672039,280 | 95,514 | 1252 | 6409948,100 | 672006,440 | 91,538 |
| 1199 | 6409952,240 | 672038,430 | 95,387 | 1253 | 6409947,700 | 672005,950 | 91,971 |
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| 1201 | 6409963,570 | 672041,280 | 93,483 | 1255 | 6409944,750 | 672010,140 | 92,797 |
| 1202 | 6409967,020 | 672039,800 | 93,603 | 1256 | 6409944,430 | 672014,460 | 93,052 |
| 1203 | 6409969,550 | 672038,310 | 93,634 | 1257 | 6409943,460 | 672014,330 | 93,502 |
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| 1206 | 6409973,760 | 672033,480 | 93,588 | 1260 | 6409943,080 | 672019,420 | 94,028 |
| 1207 | 6409973,960 | 672031,530 | 93,929 | 1261 | 6409940,560 | 672022,500 | 93,936 |
| 1208 | 6409973,880 | 672028,440 | 94,142 | 1262 | 6409941,110 | 672025,830 | 93,740 |
| 1209 | 6409971,640 | 672028,740 | 93,998 | 1263 | 6409939,110 | 672029,770 | 93,908 |
| 1210 | 6409968,200 | 672028,160 | 93,629 | 1264 | 6409934,820 | 672031,290 | 94,021 |
| 1211 | 6409966,180 | 672027,880 | 93,758 | 1265 | 6409930,290 | 672033,600 | 94,025 |
| 1212 | 6409961,750 | 672027,190 | 93,814 | 1266 | 6409925,190 | 672035,960 | 94,157 |
| 1213 | 6409957,950 | 672025,740 | 94,263 | 1267 | 6409920,850 | 672037,320 | 94,045 |
| 1214 | 6409954,830 | 672023,470 | 94,357 | 1268 | 6409916,380 | 672038,770 | 94,032 |
| 1215 | 6409953,150 | 672020,390 | 94,023 | 1269 | 6409913,120 | 672038,910 | 93,906 |
| 1216 | 6409951,540 | 672017,800 | 93,887 | 1270 | 6409909,950 | 672037,590 | 93,930 |
| 1217 | 6409950,510 | 672015,030 | 93,537 | 1271 | 6409907,560 | 672035,830 | 93,400 |
| 1218 | 6409949,580 | 672014,310 | 92,862 | 1272 | 6409908,250 | 672033,160 | 93,549 |
| 1219 | 6409949,730 | 672017,900 | 94,047 | 1273 | 6409909,560 | 672029,560 | 93,610 |
| 1220 | 6409948,940 | 672017,910 | 93,623 | 1274 | 6409911,950 | 672026,570 | 93,822 |
| 1221 | 6409950,340 | 672022,400 | 94,241 | 1275 | 6409914,120 | 672023,590 | 93,645 |
| 1222 | 6409952,020 | 672026,590 | 94,321 | 1276 | 6409916,590 | 672022,270 | 93,638 |
| 1223 | 6409955,920 | 672029,440 | 93,794 | 1277 | 6409916,620 | 672018,070 | 93,579 |
| 1224 | 6409958,990 | 672030,980 | 93,508 | 1278 | 6409920,810 | 672018,950 | 93,468 |
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| 1226 | 6409968,110 | 672032,560 | 92,945 | 1280 | 6409926,050 | 672020,770 | 93,736 |
| 1227 | 6409966,340 | 672036,280 | 93,197 | 1281 | 6409925,970 | 672019,070 | 93,515 |
| 1228 | 6409962,880 | 672037,170 | 93,363 | 1282 | 6409931,130 | 672017,740 | 93,359 |
| 1229 | 6409959,420 | 672035,680 | 93,364 | 1283 | 6409931,840 | 672018,890 | 93,431 |
| 1230 | 6409949,600 | 672031,570 | 94,248 | 1284 | 6409936,120 | 672018,850 | 93,533 |
| 1231 | 6409950,880 | 672028,890 | 94,340 | 1285 | 6409936,000 | 672016,370 | 93,664 |
| 1232 | 6409947,560 | 672025,700 | 94,294 | 1286 | 6409939,220 | 672016,160 | 93,762 |
| 1233 | 6409945,410 | 672022,980 | 94,208 | 1287 | 6409939,320 | 672018,100 | 93,683 |
| 1234 | 6409945,780 | 672019,650 | 93,927 | 1288 | 6409941,140 | 672015,620 | 93,858 |
| 1235 | 6409946,300 | 672015,390 | 93,162 | 1289 | 6409935,050 | 672025,600 | 97,530 |
| 1236 | 6409948,040 | 672011,050 | 92,189 | 1290 | 6409934,420 | 672024,450 | 97,623 |
| 1237 | 6409950,270 | 672011,670 | 92,143 | 1291 | 6409930,860 | 672025,570 | 97,940 |
| 1238 | 6409951,330 | 672011,950 | 92,721 | 1292 | 6409931,200 | 672026,710 | 98,038 |

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| 1293 | 6409927,290 | 672027,080 | 98,174 | 1347 | 6409867,880 | 671944,820 | 92,956 |
| 1294 | 6409927,410 | 672028,150 | 98,181 | 1348 | 6409867,160 | 671944,420 | 92,823 |
| 1295 | 6409924,330 | 672027,600 | 98,197 | 1349 | 6409868,800 | 671942,070 | 91,851 |
| 1296 | 6409924,350 | 672028,700 | 98,245 | 1350 | 6409869,780 | 671940,230 | 91,096 |
| 1297 | 6409921,070 | 672028,710 | 98,170 | 1351 | 6409870,950 | 671938,420 | 90,181 |
| 1298 | 6409921,450 | 672029,940 | 98,308 | 1352 | 6409869,050 | 671938,930 | 90,481 |
| 1299 | 6409918,050 | 672029,790 | 98,424 | 1353 | 6409867,000 | 671940,660 | 91,059 |
| 1300 | 6409918,450 | 672031,050 | 98,429 | 1354 | 6409864,920 | 671942,750 | 91,372 |
| 1301 | 6409915,070 | 672031,800 | 98,177 | 1355 | 6409864,180 | 671945,930 | 91,400 |
| 1302 | 6409915,490 | 672032,610 | 98,195 | 1356 | 6409861,220 | 671941,770 | 91,146 |
| 1303 | 6409912,980 | 672033,360 | 97,601 | 1357 | 6409854,890 | 671942,510 | 90,816 |
| 1304 | 6409911,630 | 672034,400 | 96,554 | 1358 | 6409849,270 | 671943,370 | 90,595 |
| 1305 | 6409910,460 | 672035,380 | 95,491 | 1359 | 6409844,040 | 671943,620 | 90,565 |
| 1306 | 6409904,010 | 672035,230 | 93,140 | 1360 | 6409838,680 | 671944,550 | 90,326 |
| 1307 | 6409904,880 | 672030,110 | 93,111 | 1361 | 6409834,050 | 671945,150 | 90,274 |
| 1308 | 6409906,540 | 672025,950 | 93,077 | 1362 | 6409835,140 | 671953,350 | 90,422 |
| 1309 | 6409908,840 | 672021,570 | 93,331 | 1363 | 6409842,380 | 671952,590 | 90,718 |
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| 1311 | 6409909,450 | 672014,180 | 93,544 | 1365 | 6409857,280 | 671950,520 | 91,114 |
| 1312 | 6409905,720 | 672010,680 | 93,291 | 1366 | 6409859,960 | 671957,890 | 91,407 |
| 1313 | 6409901,940 | 672006,880 | 93,299 | 1367 | 6409852,360 | 671959,190 | 91,313 |
| 1314 | 6409900,170 | 672003,170 | 92,705 | 1368 | 6409844,900 | 671960,460 | 91,274 |
| 1315 | 6409898,730 | 671999,110 | 93,092 | 1369 | 6409837,010 | 671961,930 | 90,917 |
| 1316 | 6409898,150 | 671995,480 | 93,020 | 1370 | 6409838,290 | 671970,140 | 91,071 |
| 1317 | 6409896,950 | 671992,040 | 92,941 | 1371 | 6409845,590 | 671968,820 | 91,504 |
| 1318 | 6409896,700 | 671989,030 | 92,560 | 1372 | 6409852,590 | 671967,170 | 91,654 |
| 1319 | 6409894,730 | 671986,540 | 92,638 | 1373 | 6409859,780 | 671965,640 | 91,630 |
| 1320 | 6409890,960 | 671983,780 | 92,800 | 1374 | 6409865,260 | 671964,310 | 91,713 |
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| 1322 | 6409885,350 | 671977,270 | 92,618 | 1376 | 6409864,240 | 671972,740 | 92,013 |
| 1323 | 6409884,430 | 671977,450 | 92,527 | 1377 | 6409859,640 | 671973,550 | 91,805 |
| 1324 | 6409884,630 | 671977,000 | 92,966 | 1378 | 6409853,690 | 671974,790 | 91,765 |
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| 1326 | 6409881,540 | 671973,690 | 92,921 | 1380 | 6409844,090 | 671976,620 | 91,461 |
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| 1334 | 6409872,760 | 671961,670 | 92,689 | 1388 | 6409877,150 | 671977,350 | 92,239 |
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 1781 6409825,850 671904,360 92,910
 1782 6409825,470 671905,710 92,510
 1783 6409832,890 671914,520 89,808
 1784 6409834,110 671919,670 89,862
 1785 6409834,920 671925,510 89,907
 1786 6409835,220 671930,390 89,905
 1787 6409836,290 671936,270 90,200
 1788 6409843,630 671934,840 90,279
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 1796 6409851,840 671934,940 90,587
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 1802 6409859,220 671915,960 90,659
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 1806 6409856,180 671906,850 90,482
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 1815 6409867,980 671890,790 90,838
 1816 6409867,810 671888,270 90,564
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 1818 6409868,690 671886,110 90,524
 1819 6409869,260 671886,120 90,509
 1820 6409868,480 671884,650 90,758
 1821 6409867,580 671883,000 90,860
 1822 6409866,190 671880,570 90,551
 1823 6409870,590 671884,470 90,548
 1824 6409872,710 671881,990 90,603
 1825 6409869,970 671880,260 90,857
 1826 6409870,890 671877,700 90,842
 1827 6409873,960 671878,980 90,582
 1828 6409874,520 671874,830 90,463
 1829 6409870,720 671873,650 90,770
 1830 6409875,350 671877,480 90,142
 1831 6409875,400 671881,390 89,648
 1832 6409873,620 671884,720 89,312

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|------|-------------|------------|--------|------|-------------|------------|--------|
| 1833 | 6409870,450 | 671887,020 | 89,354 | 1887 | 6409878,330 | 671915,940 | 89,509 |
| 1834 | 6409870,000 | 671888,980 | 89,433 | 1888 | 6409889,710 | 671915,840 | 89,536 |
| 1835 | 6409871,730 | 671892,780 | 89,349 | 1889 | 6409889,600 | 671911,940 | 89,555 |
| 1836 | 6409874,650 | 671896,490 | 89,228 | 1890 | 6409888,420 | 671908,040 | 89,615 |
| 1837 | 6409875,060 | 671901,160 | 89,252 | 1891 | 6409886,850 | 671904,930 | 89,502 |
| 1838 | 6409875,540 | 671905,750 | 89,377 | 1892 | 6409883,680 | 671900,560 | 89,389 |
| 1839 | 6409875,610 | 671908,090 | 89,491 | 1893 | 6409880,780 | 671897,610 | 89,001 |
| 1840 | 6409875,710 | 671910,780 | 89,634 | 1894 | 6409877,870 | 671893,310 | 89,219 |
| 1841 | 6409875,600 | 671913,320 | 89,751 | 1895 | 6409876,680 | 671890,060 | 89,156 |
| 1842 | 6409876,100 | 671915,370 | 89,479 | 1896 | 6409878,260 | 671887,640 | 89,261 |
| 1843 | 6409875,170 | 671918,170 | 89,498 | 1897 | 6409880,600 | 671879,900 | 89,994 |
| 1844 | 6409872,390 | 671923,830 | 89,242 | 1898 | 6409882,760 | 671883,770 | 89,884 |
| 1845 | 6409871,290 | 671926,080 | 89,510 | 1899 | 6409883,970 | 671888,480 | 89,835 |
| 1846 | 6409870,420 | 671928,250 | 89,585 | 1900 | 6409885,360 | 671893,220 | 89,861 |
| 1847 | 6409871,810 | 671930,000 | 89,840 | 1901 | 6409887,360 | 671897,440 | 89,814 |
| 1848 | 6409872,290 | 671930,390 | 89,820 | 1902 | 6409891,840 | 671893,620 | 89,889 |
| 1849 | 6409870,570 | 671930,780 | 90,565 | 1903 | 6409895,030 | 671888,370 | 89,853 |
| 1850 | 6409870,330 | 671931,340 | 90,213 | 1904 | 6409899,220 | 671882,900 | 89,836 |
| 1851 | 6409868,180 | 671931,060 | 91,089 | 1905 | 6409900,430 | 671881,050 | 89,762 |
| 1852 | 6409867,800 | 671931,710 | 90,481 | 1906 | 6409899,990 | 671876,400 | 89,582 |
| 1853 | 6409866,030 | 671931,450 | 91,383 | 1907 | 6409901,170 | 671872,690 | 89,581 |
| 1854 | 6409865,890 | 671932,030 | 90,867 | 1908 | 6409902,520 | 671870,230 | 89,797 |
| 1855 | 6409863,560 | 671931,510 | 91,220 | 1909 | 6409906,250 | 671868,610 | 90,869 |
| 1856 | 6409867,540 | 671930,190 | 91,371 | 1910 | 6409907,150 | 671867,090 | 91,365 |
| 1857 | 6409867,970 | 671926,950 | 91,300 | 1911 | 6409906,810 | 671865,960 | 91,543 |
| 1858 | 6409870,350 | 671922,730 | 91,331 | 1912 | 6409905,370 | 671870,590 | 91,508 |
| 1859 | 6409872,490 | 671918,890 | 91,121 | 1913 | 6409905,940 | 671870,700 | 91,656 |
| 1860 | 6409873,740 | 671915,790 | 91,005 | 1914 | 6409904,570 | 671873,400 | 91,882 |
| 1861 | 6409873,750 | 671911,420 | 91,020 | 1915 | 6409905,190 | 671873,800 | 91,914 |
| 1862 | 6409873,490 | 671908,060 | 91,032 | 1916 | 6409903,580 | 671875,980 | 91,770 |
| 1863 | 6409873,090 | 671905,690 | 91,018 | 1917 | 6409904,240 | 671876,350 | 91,760 |
| 1864 | 6409872,430 | 671905,610 | 91,134 | 1918 | 6409902,690 | 671878,210 | 91,761 |
| 1865 | 6409872,350 | 671902,580 | 91,384 | 1919 | 6409903,330 | 671878,410 | 91,833 |
| 1866 | 6409871,960 | 671899,250 | 91,249 | 1920 | 6409901,030 | 671880,370 | 89,753 |
| 1867 | 6409869,230 | 671899,130 | 92,902 | 1921 | 6409902,880 | 671881,730 | 89,907 |
| 1868 | 6409868,440 | 671899,480 | 93,213 | 1922 | 6409905,540 | 671881,340 | 89,820 |
| 1869 | 6409867,740 | 671900,540 | 93,175 | 1923 | 6409907,550 | 671877,070 | 89,814 |
| 1870 | 6409869,070 | 671900,500 | 93,237 | 1924 | 6409908,680 | 671873,430 | 89,801 |
| 1871 | 6409869,170 | 671902,330 | 92,806 | 1925 | 6409908,670 | 671869,840 | 89,890 |
| 1872 | 6409868,120 | 671902,990 | 92,857 | 1926 | 6409911,670 | 671871,130 | 89,788 |
| 1873 | 6409868,550 | 671905,010 | 92,864 | 1927 | 6409910,920 | 671876,290 | 89,938 |
| 1874 | 6409869,310 | 671904,850 | 92,858 | 1928 | 6409910,770 | 671882,110 | 89,978 |
| 1875 | 6409879,220 | 671909,590 | 91,064 | 1929 | 6409901,060 | 671890,130 | 90,014 |
| 1876 | 6409880,470 | 671909,730 | 91,180 | 1930 | 6409895,520 | 671900,910 | 89,833 |
| 1877 | 6409880,760 | 671911,250 | 91,361 | 1931 | 6409896,220 | 671910,550 | 89,888 |
| 1878 | 6409880,390 | 671912,130 | 91,344 | 1932 | 6409892,150 | 671915,810 | 89,648 |
| 1879 | 6409879,380 | 671911,980 | 91,329 | 1933 | 6409884,630 | 671919,780 | 89,446 |
| 1880 | 6409879,070 | 671910,990 | 91,009 | 1934 | 6409881,680 | 671923,940 | 89,462 |
| 1881 | 6409876,690 | 671906,200 | 89,315 | 1935 | 6409877,600 | 671928,450 | 89,548 |
| 1882 | 6409880,190 | 671905,960 | 89,330 | 1936 | 6409877,010 | 671934,270 | 89,545 |
| 1883 | 6409883,590 | 671907,470 | 89,550 | 1937 | 6409872,730 | 671940,080 | 89,445 |
| 1884 | 6409883,960 | 671911,480 | 89,451 | 1938 | 6409873,630 | 671947,050 | 89,323 |
| 1885 | 6409883,400 | 671914,830 | 89,452 | 1939 | 6409874,720 | 671952,800 | 89,320 |
| 1886 | 6409880,920 | 671915,910 | 89,481 | 1940 | 6409875,920 | 671956,380 | 89,271 |

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|------|-------------|------------|--------|------|-------------|------------|--------|
| 1941 | 6409879,490 | 671962,320 | 89,274 | 1995 | 6409918,900 | 672002,370 | 92,314 |
| 1942 | 6409883,410 | 671967,340 | 89,288 | 1996 | 6409918,470 | 672003,570 | 92,203 |
| 1943 | 6409887,880 | 671972,580 | 89,374 | 1997 | 6409917,190 | 672004,630 | 92,184 |
| 1944 | 6409891,800 | 671977,010 | 89,440 | 1998 | 6409926,860 | 672003,020 | 88,902 |
| 1945 | 6409895,860 | 671980,310 | 89,438 | 1999 | 6409926,680 | 672004,950 | 89,501 |
| 1946 | 6409899,010 | 671982,380 | 89,436 | 2000 | 6409924,220 | 672008,730 | 89,511 |
| 1947 | 6409900,960 | 671982,000 | 89,444 | 2001 | 6409920,850 | 672012,700 | 89,393 |
| 1948 | 6409902,190 | 671985,990 | 89,317 | 2002 | 6409924,860 | 672012,630 | 89,476 |
| 1949 | 6409901,550 | 671986,540 | 89,368 | 2003 | 6409929,650 | 672012,400 | 89,794 |
| 1950 | 6409901,870 | 671990,010 | 89,374 | 2004 | 6409930,390 | 672009,970 | 89,654 |
| 1951 | 6409903,270 | 671989,100 | 89,247 | 2005 | 6409930,550 | 672006,540 | 89,553 |
| 1952 | 6409902,850 | 671993,660 | 89,472 | 2006 | 6409930,670 | 672002,230 | 89,355 |
| 1953 | 6409904,700 | 671992,840 | 89,182 | 2007 | 6409929,510 | 672001,350 | 88,908 |
| 1954 | 6409903,420 | 671998,190 | 89,476 | 2008 | 6409931,360 | 672001,190 | 89,304 |
| 1955 | 6409904,870 | 671996,730 | 89,504 | 2009 | 6409932,350 | 672002,700 | 90,406 |
| 1956 | 6409906,110 | 671996,000 | 89,453 | 2010 | 6409932,020 | 672004,420 | 90,422 |
| 1957 | 6409908,760 | 672000,830 | 89,421 | 2011 | 6409932,940 | 672007,330 | 90,359 |
| 1958 | 6409907,870 | 672002,070 | 89,439 | 2012 | 6409932,620 | 672010,370 | 90,389 |
| 1959 | 6409906,630 | 672003,440 | 89,522 | 2013 | 6409932,400 | 672012,580 | 90,669 |
| 1960 | 6409908,750 | 672005,720 | 89,475 | 2014 | 6409935,820 | 672012,250 | 90,992 |
| 1961 | 6409910,520 | 672003,800 | 89,389 | 2015 | 6409938,900 | 672011,430 | 90,791 |
| 1962 | 6409913,360 | 672006,400 | 89,387 | 2016 | 6409941,030 | 672009,290 | 90,899 |
| 1963 | 6409911,910 | 672008,640 | 89,437 | 2017 | 6409942,540 | 672006,740 | 90,441 |
| 1964 | 6409915,010 | 672010,310 | 89,501 | 2018 | 6409941,470 | 672004,450 | 90,248 |
| 1965 | 6409915,600 | 672008,830 | 89,375 | 2019 | 6409938,920 | 672005,340 | 90,401 |
| 1966 | 6409918,740 | 672012,110 | 89,546 | 2020 | 6409936,670 | 672007,190 | 90,494 |
| 1967 | 6409918,460 | 672009,460 | 89,431 | 2021 | 6409935,770 | 672004,380 | 90,344 |
| 1968 | 6409921,030 | 672007,600 | 89,483 | 2022 | 6409934,100 | 672001,270 | 90,445 |
| 1969 | 6409923,290 | 672004,150 | 89,516 | 2023 | 6409932,860 | 672000,270 | 89,302 |
| 1970 | 6409922,750 | 672001,530 | 89,444 | 2024 | 6409935,950 | 671999,280 | 90,457 |
| 1971 | 6409924,110 | 672000,200 | 88,882 | 2025 | 6409935,560 | 671998,040 | 89,353 |
| 1972 | 6409921,290 | 671995,620 | 88,935 | 2026 | 6409937,670 | 671999,390 | 90,417 |
| 1973 | 6409919,240 | 671996,610 | 89,451 | 2027 | 6409938,890 | 671998,190 | 89,420 |
| 1974 | 6409915,640 | 671991,270 | 89,475 | 2028 | 6409940,540 | 672001,140 | 90,240 |
| 1975 | 6409917,650 | 671989,720 | 88,860 | 2029 | 6409941,920 | 672000,980 | 89,499 |
| 1976 | 6409914,330 | 671984,610 | 88,945 | 2030 | 6409943,530 | 672004,040 | 90,243 |
| 1977 | 6409912,250 | 671985,340 | 89,468 | 2031 | 6409945,540 | 672002,690 | 89,601 |
| 1978 | 6409910,810 | 671982,000 | 89,407 | 2032 | 6409945,360 | 671999,400 | 89,178 |
| 1979 | 6409911,800 | 671981,110 | 88,906 | 2033 | 6409950,150 | 672000,610 | 89,492 |
| 1980 | 6409908,760 | 671979,650 | 89,373 | 2034 | 6409949,580 | 671998,580 | 89,230 |
| 1981 | 6409906,380 | 671978,900 | 89,269 | 2035 | 6409954,220 | 671999,490 | 89,566 |
| 1982 | 6409903,050 | 671979,930 | 89,430 | 2036 | 6409954,340 | 671997,880 | 89,261 |
| 1983 | 6409905,420 | 671983,050 | 91,773 | 2037 | 6409956,500 | 671998,340 | 89,428 |
| 1984 | 6409906,510 | 671982,810 | 91,682 | 2038 | 6409956,950 | 671995,720 | 89,469 |
| 1985 | 6409907,570 | 671985,470 | 91,999 | 2039 | 6409953,230 | 671994,600 | 89,722 |
| 1986 | 6409906,650 | 671985,900 | 92,055 | 2040 | 6409952,750 | 671995,390 | 89,250 |
| 1987 | 6409908,080 | 671990,060 | 92,217 | 2041 | 6409947,810 | 671994,400 | 90,038 |
| 1988 | 6409909,280 | 671989,170 | 92,003 | 2042 | 6409947,470 | 671995,080 | 89,226 |
| 1989 | 6409910,160 | 671993,500 | 92,577 | 2043 | 6409943,100 | 671993,830 | 90,254 |
| 1990 | 6409911,330 | 671992,590 | 92,319 | 2044 | 6409942,660 | 671994,800 | 89,511 |
| 1991 | 6409912,790 | 671998,310 | 92,412 | 2045 | 6409938,620 | 671992,920 | 90,371 |
| 1992 | 6409914,480 | 671997,500 | 92,299 | 2046 | 6409937,360 | 671994,850 | 89,274 |
| 1993 | 6409915,060 | 672001,720 | 92,407 | 2047 | 6409933,630 | 671995,530 | 89,138 |
| 1994 | 6409917,180 | 672000,420 | 92,159 | 2048 | 6409933,740 | 671996,130 | 88,955 |

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|------|-------------|------------|--------|------|-------------|------------|--------|
| 2049 | 6409930,770 | 671994,870 | 89,301 | 2103 | 6409944,610 | 671975,910 | 93,101 |
| 2050 | 6409929,770 | 671995,550 | 88,827 | 2104 | 6409944,680 | 671976,860 | 92,884 |
| 2051 | 6409927,340 | 671991,720 | 89,207 | 2105 | 6409942,960 | 671978,910 | 92,889 |
| 2052 | 6409926,790 | 671992,330 | 88,810 | 2106 | 6409940,740 | 671981,270 | 92,903 |
| 2053 | 6409924,470 | 671987,070 | 89,251 | 2107 | 6409938,450 | 671983,180 | 93,226 |
| 2054 | 6409923,420 | 671987,270 | 88,849 | 2108 | 6409936,960 | 671986,190 | 92,959 |
| 2055 | 6409921,210 | 671981,900 | 89,082 | 2109 | 6409936,320 | 671988,370 | 92,777 |
| 2056 | 6409920,780 | 671982,520 | 88,749 | 2110 | 6409946,110 | 671990,060 | 90,023 |
| 2057 | 6409919,370 | 671978,400 | 89,248 | 2111 | 6409949,100 | 671987,640 | 89,873 |
| 2058 | 6409917,870 | 671978,880 | 88,872 | 2112 | 6409951,700 | 671985,550 | 89,788 |
| 2059 | 6409919,840 | 671974,820 | 89,297 | 2113 | 6409955,820 | 671988,120 | 89,583 |
| 2060 | 6409918,720 | 671973,950 | 88,969 | 2114 | 6409955,650 | 671990,870 | 89,652 |
| 2061 | 6409924,390 | 671970,640 | 89,258 | 2115 | 6409961,210 | 671994,960 | 89,487 |
| 2062 | 6409927,700 | 671967,220 | 89,238 | 2116 | 6409963,360 | 671998,120 | 89,433 |
| 2063 | 6409930,660 | 671964,090 | 89,267 | 2117 | 6409964,050 | 672001,480 | 89,458 |
| 2064 | 6409934,430 | 671963,030 | 89,457 | 2118 | 6409957,480 | 672008,880 | 89,664 |
| 2065 | 6409938,400 | 671961,380 | 89,372 | 2119 | 6409956,570 | 672011,490 | 89,779 |
| 2066 | 6409939,780 | 671960,840 | 89,154 | 2120 | 6409956,070 | 672013,520 | 89,825 |
| 2067 | 6409943,240 | 671963,930 | 89,050 | 2121 | 6409958,400 | 672017,190 | 89,617 |
| 2068 | 6409945,200 | 671966,270 | 89,055 | 2122 | 6409960,640 | 672019,930 | 89,771 |
| 2069 | 6409946,780 | 671968,660 | 89,173 | 2123 | 6409964,810 | 672021,130 | 89,515 |
| 2070 | 6409948,560 | 671971,190 | 89,344 | 2124 | 6409968,650 | 672020,840 | 89,548 |
| 2071 | 6409951,000 | 671974,740 | 89,167 | 2125 | 6409971,950 | 672019,120 | 89,656 |
| 2072 | 6409951,820 | 671976,870 | 89,188 | 2126 | 6409974,710 | 672016,190 | 89,489 |
| 2073 | 6409951,150 | 671977,510 | 90,131 | 2127 | 6409977,320 | 672015,380 | 89,670 |
| 2074 | 6409953,370 | 671979,680 | 89,722 | 2128 | 6409979,750 | 672014,810 | 89,525 |
| 2075 | 6409954,250 | 671979,410 | 89,243 | 2129 | 6409982,750 | 672016,500 | 89,460 |
| 2076 | 6409957,300 | 671982,930 | 89,442 | 2130 | 6409985,470 | 672017,150 | 89,386 |
| 2077 | 6409949,580 | 671977,340 | 90,384 | 2131 | 6409988,330 | 672018,100 | 89,611 |
| 2078 | 6409947,970 | 671980,840 | 90,244 | 2132 | 6409987,060 | 672022,750 | 91,661 |
| 2079 | 6409944,740 | 671983,370 | 90,296 | 2133 | 6409989,290 | 672021,820 | 91,769 |
| 2080 | 6409942,120 | 671986,660 | 90,362 | 2134 | 6409989,380 | 672024,020 | 92,174 |
| 2081 | 6409940,420 | 671990,810 | 90,414 | 2135 | 6409991,650 | 672025,870 | 92,631 |
| 2082 | 6409936,010 | 671987,980 | 93,137 | 2136 | 6409994,410 | 672026,440 | 92,892 |
| 2083 | 6409935,220 | 671988,910 | 92,863 | 2137 | 6409996,620 | 672026,450 | 92,700 |
| 2084 | 6409933,330 | 671988,690 | 93,068 | 2138 | 6409999,340 | 672025,300 | 92,468 |
| 2085 | 6409931,710 | 671986,610 | 93,297 | 2139 | 6409997,030 | 672024,310 | 92,278 |
| 2086 | 6409930,140 | 671983,940 | 93,410 | 2140 | 6409994,500 | 672022,880 | 92,223 |
| 2087 | 6409928,390 | 671980,800 | 93,593 | 2141 | 6409991,770 | 672022,680 | 92,262 |
| 2088 | 6409926,530 | 671978,810 | 93,584 | 2142 | 6409990,440 | 672021,900 | 91,885 |
| 2089 | 6409926,540 | 671977,560 | 93,544 | 2143 | 6409990,150 | 672017,980 | 89,552 |
| 2090 | 6409930,330 | 671974,350 | 93,694 | 2144 | 6409990,500 | 672014,000 | 89,300 |
| 2091 | 6409932,760 | 671971,330 | 93,621 | 2145 | 6409993,910 | 672017,780 | 89,497 |
| 2092 | 6409935,240 | 671969,100 | 93,555 | 2146 | 6409995,560 | 672016,620 | 89,326 |
| 2093 | 6409938,270 | 671968,220 | 93,552 | 2147 | 6409996,650 | 672018,680 | 89,523 |
| 2094 | 6409940,060 | 671970,810 | 93,732 | 2148 | 6409999,010 | 672019,160 | 89,565 |
| 2095 | 6409936,860 | 671973,300 | 93,505 | 2149 | 6410001,910 | 672016,910 | 89,583 |
| 2096 | 6409934,290 | 671976,030 | 93,639 | 2150 | 6410005,210 | 672015,200 | 89,695 |
| 2097 | 6409932,640 | 671978,370 | 93,524 | 2151 | 6410008,570 | 672014,090 | 89,489 |
| 2098 | 6409933,970 | 671982,390 | 93,471 | 2152 | 6410011,750 | 672013,360 | 89,612 |
| 2099 | 6409936,610 | 671979,930 | 93,247 | 2153 | 6410014,430 | 672013,070 | 89,772 |
| 2100 | 6409939,910 | 671977,730 | 93,106 | 2154 | 6410017,210 | 672012,630 | 89,931 |
| 2101 | 6409941,880 | 671973,340 | 93,221 | 2155 | 6410020,080 | 672011,570 | 91,050 |
| 2102 | 6409943,490 | 671974,620 | 93,062 | 2156 | 6410021,660 | 672010,820 | 91,154 |

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| 2157 | 6410021,580 | 672008,500 | 91,072 | 2211 | 6409964,870 | 672013,780 | 89,481 |
| 2158 | 6410019,940 | 672006,040 | 90,973 | 2212 | 6409961,510 | 672012,650 | 89,438 |
| 2159 | 6410018,370 | 672006,260 | 90,912 | 2213 | 6409961,850 | 671994,940 | 89,528 |
| 2160 | 6410017,290 | 672006,890 | 90,839 | 2214 | 6409965,450 | 671991,140 | 89,608 |
| 2161 | 6410018,050 | 672009,360 | 90,803 | 2215 | 6409962,530 | 671984,150 | 89,443 |
| 2162 | 6410016,180 | 672010,000 | 89,903 | 2216 | 6409957,710 | 671975,720 | 89,442 |
| 2163 | 6410015,060 | 672007,000 | 89,762 | 2217 | 6409955,850 | 671975,640 | 89,240 |
| 2164 | 6410016,060 | 672004,530 | 89,589 | 2218 | 6409953,070 | 671969,710 | 89,401 |
| 2165 | 6410018,160 | 672004,230 | 89,736 | 2219 | 6409951,190 | 671970,210 | 89,159 |
| 2166 | 6410018,240 | 672001,120 | 89,734 | 2220 | 6409948,000 | 671962,980 | 89,521 |
| 2167 | 6410018,390 | 671998,370 | 89,831 | 2221 | 6409946,530 | 671963,980 | 89,221 |
| 2168 | 6410017,860 | 671996,050 | 89,841 | 2222 | 6409953,610 | 671959,030 | 89,292 |
| 2169 | 6410014,940 | 671995,660 | 89,703 | 2223 | 6409956,460 | 671964,840 | 89,405 |
| 2170 | 6410011,480 | 671995,570 | 89,612 | 2224 | 6409961,160 | 671972,380 | 89,345 |
| 2171 | 6410007,830 | 671995,760 | 89,256 | 2225 | 6409965,200 | 671979,370 | 89,385 |
| 2172 | 6410012,010 | 671999,550 | 89,465 | 2226 | 6409968,400 | 671984,680 | 89,505 |
| 2173 | 6410006,640 | 671999,730 | 89,238 | 2227 | 6409971,390 | 671988,960 | 89,640 |
| 2174 | 6410006,960 | 672002,620 | 89,617 | 2228 | 6409978,930 | 671987,460 | 89,554 |
| 2175 | 6410009,670 | 672005,840 | 89,700 | 2229 | 6409974,590 | 671980,150 | 89,508 |
| 2176 | 6410009,670 | 672009,000 | 89,588 | 2230 | 6409969,870 | 671972,840 | 89,337 |
| 2177 | 6410004,460 | 672010,000 | 89,737 | 2231 | 6409965,110 | 671966,500 | 89,422 |
| 2178 | 6410003,250 | 672006,510 | 89,660 | 2232 | 6409961,930 | 671961,850 | 88,926 |
| 2179 | 6410002,060 | 672002,960 | 89,487 | 2233 | 6409960,100 | 671956,680 | 88,867 |
| 2180 | 6410001,290 | 671999,490 | 89,115 | 2234 | 6409966,410 | 671953,910 | 89,262 |
| 2181 | 6409995,600 | 671999,180 | 89,163 | 2235 | 6409970,330 | 671961,350 | 89,416 |
| 2182 | 6409996,360 | 672002,590 | 89,574 | 2236 | 6409975,110 | 671969,170 | 89,472 |
| 2183 | 6409997,970 | 672006,380 | 89,556 | 2237 | 6409979,770 | 671976,000 | 89,650 |
| 2184 | 6409999,930 | 672011,640 | 89,605 | 2238 | 6409983,910 | 671982,310 | 89,294 |
| 2185 | 6409994,760 | 672012,540 | 89,238 | 2239 | 6409984,690 | 671984,300 | 89,081 |
| 2186 | 6409994,370 | 672008,670 | 89,358 | 2240 | 6409990,750 | 671981,910 | 89,085 |
| 2187 | 6409994,130 | 672004,850 | 89,658 | 2241 | 6409992,160 | 671980,600 | 89,044 |
| 2188 | 6409993,960 | 671999,410 | 89,205 | 2242 | 6409990,670 | 671977,130 | 89,100 |
| 2189 | 6409996,230 | 671995,490 | 89,221 | 2243 | 6409988,430 | 671973,860 | 89,329 |
| 2190 | 6410000,250 | 671995,590 | 89,166 | 2244 | 6409984,270 | 671966,950 | 89,327 |
| 2191 | 6409998,530 | 671988,750 | 89,306 | 2245 | 6409981,100 | 671962,140 | 89,284 |
| 2192 | 6409991,920 | 671989,920 | 89,286 | 2246 | 6409978,050 | 671956,530 | 89,342 |
| 2193 | 6409989,580 | 671996,220 | 89,354 | 2247 | 6409973,250 | 671949,270 | 89,203 |
| 2194 | 6409989,560 | 672001,890 | 89,590 | 2248 | 6409980,490 | 671943,780 | 89,136 |
| 2195 | 6409989,270 | 672006,600 | 89,537 | 2249 | 6409982,670 | 671948,840 | 88,928 |
| 2196 | 6409989,090 | 672011,680 | 89,362 | 2250 | 6409984,790 | 671953,010 | 89,130 |
| 2197 | 6409981,310 | 672007,760 | 89,401 | 2251 | 6409988,810 | 671961,240 | 89,087 |
| 2198 | 6409983,700 | 672002,410 | 89,547 | 2252 | 6409991,730 | 671966,840 | 89,180 |
| 2199 | 6409986,990 | 671996,210 | 89,424 | 2253 | 6409994,510 | 671974,280 | 89,158 |
| 2200 | 6409987,860 | 671988,620 | 89,230 | 2254 | 6409996,130 | 671977,150 | 88,961 |
| 2201 | 6409980,290 | 671989,660 | 89,558 | 2255 | 6409998,040 | 671979,560 | 88,998 |
| 2202 | 6409979,590 | 671996,080 | 89,529 | 2256 | 6409998,970 | 671982,600 | 89,029 |
| 2203 | 6409980,020 | 672002,450 | 89,457 | 2257 | 6410000,450 | 671988,870 | 89,273 |
| 2204 | 6409980,630 | 672009,050 | 89,379 | 2258 | 6410002,520 | 671992,630 | 89,199 |
| 2205 | 6409972,670 | 672010,350 | 89,460 | 2259 | 6410005,600 | 671994,480 | 89,251 |
| 2206 | 6409971,590 | 672003,130 | 89,547 | 2260 | 6410004,680 | 671991,890 | 89,368 |
| 2207 | 6409970,390 | 671996,440 | 89,693 | 2261 | 6410003,540 | 671986,680 | 89,267 |
| 2208 | 6409966,230 | 671998,000 | 89,414 | 2262 | 6410003,440 | 671982,660 | 89,379 |
| 2209 | 6409965,800 | 672003,100 | 89,404 | 2263 | 6410004,660 | 671979,680 | 89,384 |
| 2210 | 6409965,390 | 672009,190 | 89,446 | 2264 | 6410003,760 | 671979,040 | 89,122 |

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|------|-------------|------------|--------|------|-------------|------------|--------|
| 2265 | 6410006,880 | 671974,600 | 89,483 | 2319 | 6409969,930 | 671891,260 | 89,763 |
| 2266 | 6410007,410 | 671967,310 | 89,507 | 2320 | 6409971,280 | 671900,780 | 89,662 |
| 2267 | 6410007,940 | 671961,040 | 89,450 | 2321 | 6409974,860 | 671899,120 | 89,702 |
| 2268 | 6410005,380 | 671952,990 | 89,232 | 2322 | 6409977,750 | 671906,460 | 89,592 |
| 2269 | 6410002,880 | 671947,870 | 89,146 | 2323 | 6409973,100 | 671909,440 | 89,517 |
| 2270 | 6410001,740 | 671943,020 | 89,278 | 2324 | 6409975,940 | 671916,080 | 89,140 |
| 2271 | 6410000,180 | 671940,580 | 89,113 | 2325 | 6409980,520 | 671914,870 | 89,391 |
| 2272 | 6409997,770 | 671936,550 | 89,063 | 2326 | 6409981,670 | 671921,850 | 89,077 |
| 2273 | 6409995,910 | 671936,880 | 88,582 | 2327 | 6409973,250 | 671919,630 | 89,183 |
| 2274 | 6409995,910 | 671936,870 | 88,574 | 2328 | 6409972,200 | 671923,500 | 89,180 |
| 2275 | 6409992,480 | 671939,950 | 89,231 | 2329 | 6409973,650 | 671926,770 | 88,942 |
| 2276 | 6409992,970 | 671937,650 | 88,626 | 2330 | 6409971,380 | 671927,200 | 88,905 |
| 2277 | 6409996,780 | 671942,710 | 89,136 | 2331 | 6409968,950 | 671921,390 | 89,390 |
| 2278 | 6409997,830 | 671948,100 | 89,178 | 2332 | 6409968,980 | 671921,390 | 89,388 |
| 2279 | 6409999,290 | 671954,480 | 89,440 | 2333 | 6409966,860 | 671914,660 | 89,400 |
| 2280 | 6410001,130 | 671960,850 | 89,448 | 2334 | 6409959,510 | 671917,290 | 89,308 |
| 2281 | 6410001,360 | 671966,880 | 89,522 | 2335 | 6409962,090 | 671921,460 | 89,359 |
| 2282 | 6410000,930 | 671973,520 | 89,213 | 2336 | 6409962,120 | 671921,560 | 89,357 |
| 2283 | 6409998,020 | 671965,110 | 89,427 | 2337 | 6409965,360 | 671926,840 | 89,250 |
| 2284 | 6409995,040 | 671958,280 | 89,516 | 2338 | 6409968,230 | 671930,490 | 89,058 |
| 2285 | 6409993,160 | 671954,590 | 89,345 | 2339 | 6409973,370 | 671933,600 | 89,010 |
| 2286 | 6409991,440 | 671950,260 | 89,190 | 2340 | 6409969,200 | 671937,330 | 89,213 |
| 2287 | 6409989,820 | 671945,560 | 89,155 | 2341 | 6409965,930 | 671942,730 | 89,385 |
| 2288 | 6409986,870 | 671940,860 | 89,182 | 2342 | 6409963,240 | 671936,840 | 89,418 |
| 2289 | 6409989,940 | 671936,400 | 89,108 | 2343 | 6409961,010 | 671931,410 | 89,315 |
| 2290 | 6409988,170 | 671935,540 | 89,159 | 2344 | 6409959,430 | 671926,470 | 89,529 |
| 2291 | 6409986,990 | 671934,010 | 88,699 | 2345 | 6409956,650 | 671920,040 | 89,346 |
| 2292 | 6409984,540 | 671936,450 | 89,053 | 2346 | 6409952,030 | 671917,460 | 89,451 |
| 2293 | 6409981,510 | 671940,210 | 89,091 | 2347 | 6409947,850 | 671914,900 | 89,771 |
| 2294 | 6409981,590 | 671934,110 | 88,996 | 2348 | 6409949,950 | 671922,370 | 89,845 |
| 2295 | 6409983,040 | 671930,420 | 89,048 | 2349 | 6409952,690 | 671928,760 | 89,538 |
| 2296 | 6409985,300 | 671929,120 | 89,075 | 2350 | 6409955,040 | 671933,690 | 89,569 |
| 2297 | 6409986,170 | 671930,290 | 88,862 | 2351 | 6409957,710 | 671939,270 | 89,497 |
| 2298 | 6409986,180 | 671930,260 | 88,801 | 2352 | 6409960,470 | 671943,220 | 89,403 |
| 2299 | 6409995,020 | 671932,630 | 89,206 | 2353 | 6409962,900 | 671948,080 | 89,336 |
| 2300 | 6409993,970 | 671934,110 | 89,098 | 2354 | 6409956,960 | 671954,050 | 89,119 |
| 2301 | 6409994,120 | 671930,120 | 88,957 | 2355 | 6409953,340 | 671947,320 | 89,374 |
| 2302 | 6409991,840 | 671927,240 | 89,639 | 2356 | 6409950,290 | 671940,270 | 89,517 |
| 2303 | 6409990,240 | 671926,040 | 89,526 | 2357 | 6409946,930 | 671932,880 | 89,699 |
| 2304 | 6409987,520 | 671922,840 | 89,275 | 2358 | 6409943,000 | 671926,820 | 89,862 |
| 2305 | 6409986,330 | 671918,110 | 89,451 | 2359 | 6409938,790 | 671920,310 | 89,628 |
| 2306 | 6409986,310 | 671918,100 | 89,454 | 2360 | 6409930,360 | 671920,670 | 89,454 |
| 2307 | 6409986,130 | 671915,080 | 89,441 | 2361 | 6409932,850 | 671925,730 | 89,726 |
| 2308 | 6409987,560 | 671913,000 | 89,352 | 2362 | 6409936,680 | 671932,010 | 89,865 |
| 2309 | 6409985,730 | 671908,510 | 89,512 | 2363 | 6409939,590 | 671937,640 | 89,843 |
| 2310 | 6409984,460 | 671904,250 | 89,559 | 2364 | 6409942,450 | 671943,120 | 89,875 |
| 2311 | 6409981,130 | 671898,830 | 89,608 | 2365 | 6409945,660 | 671947,900 | 89,632 |
| 2312 | 6409978,710 | 671895,000 | 89,856 | 2366 | 6409947,910 | 671952,640 | 89,777 |
| 2313 | 6409974,460 | 671891,930 | 89,827 | 2367 | 6409945,200 | 671956,170 | 89,689 |
| 2314 | 6409971,110 | 671888,720 | 89,522 | 2368 | 6409942,140 | 671959,100 | 89,484 |
| 2315 | 6409969,890 | 671884,760 | 90,166 | 2369 | 6409938,830 | 671954,760 | 89,507 |
| 2316 | 6409968,800 | 671881,840 | 90,603 | 2370 | 6409933,330 | 671956,410 | 89,366 |
| 2317 | 6409967,260 | 671879,150 | 91,069 | 2371 | 6409928,260 | 671961,670 | 89,400 |
| 2318 | 6409967,070 | 671886,580 | 89,923 | 2372 | 6409924,480 | 671966,030 | 89,104 |

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|------|-------------|------------|--------|------|-------------|------------|--------|
| 2373 | 6409919,770 | 671969,570 | 89,042 | 2427 | 6409929,370 | 671926,260 | 89,641 |
| 2374 | 6409914,420 | 671973,450 | 89,026 | 2428 | 6409931,400 | 671923,470 | 89,505 |
| 2375 | 6409911,210 | 671976,090 | 89,115 | 2429 | 6409933,190 | 671929,810 | 89,835 |
| 2376 | 6409903,850 | 671973,870 | 89,443 | 2430 | 6409934,480 | 671937,420 | 89,909 |
| 2377 | 6409899,030 | 671974,870 | 89,436 | 2431 | 6409935,960 | 671942,910 | 89,800 |
| 2378 | 6409895,240 | 671971,270 | 89,294 | 2432 | 6409936,790 | 671949,060 | 89,722 |
| 2379 | 6409891,270 | 671966,320 | 89,249 | 2433 | 6409937,200 | 671952,470 | 89,610 |
| 2380 | 6409888,490 | 671962,280 | 89,346 | 2434 | 6409939,730 | 671944,360 | 89,582 |
| 2381 | 6409886,350 | 671959,080 | 89,322 | | | | |
| 2382 | 6409882,270 | 671951,590 | 89,441 | | | | |
| 2383 | 6409881,780 | 671944,380 | 89,628 | | | | |
| 2384 | 6409882,210 | 671937,350 | 89,589 | | | | |
| 2385 | 6409884,420 | 671929,590 | 89,561 | | | | |
| 2386 | 6409886,040 | 671927,750 | 89,487 | | | | |
| 2387 | 6409887,870 | 671933,890 | 89,589 | | | | |
| 2388 | 6409889,490 | 671940,360 | 89,533 | | | | |
| 2389 | 6409890,880 | 671947,570 | 89,491 | | | | |
| 2390 | 6409892,370 | 671952,400 | 89,358 | | | | |
| 2391 | 6409895,300 | 671958,780 | 89,478 | | | | |
| 2392 | 6409898,310 | 671964,410 | 89,297 | | | | |
| 2393 | 6409901,690 | 671970,070 | 89,363 | | | | |
| 2394 | 6409908,970 | 671967,670 | 89,410 | | | | |
| 2395 | 6409905,280 | 671958,650 | 89,243 | | | | |
| 2396 | 6409902,010 | 671950,420 | 89,374 | | | | |
| 2397 | 6409898,570 | 671942,470 | 89,419 | | | | |
| 2398 | 6409896,080 | 671935,840 | 89,529 | | | | |
| 2399 | 6409893,530 | 671927,760 | 89,561 | | | | |
| 2400 | 6409891,440 | 671920,860 | 89,509 | | | | |
| 2401 | 6409897,420 | 671915,930 | 89,848 | | | | |
| 2402 | 6409899,680 | 671924,390 | 89,764 | | | | |
| 2403 | 6409901,500 | 671932,600 | 89,697 | | | | |
| 2404 | 6409901,950 | 671933,960 | 89,601 | | | | |
| 2405 | 6409903,680 | 671941,760 | 89,213 | | | | |
| 2406 | 6409905,350 | 671948,460 | 89,279 | | | | |
| 2407 | 6409906,610 | 671955,490 | 89,366 | | | | |
| 2408 | 6409908,050 | 671961,760 | 89,217 | | | | |
| 2409 | 6409910,660 | 671967,050 | 89,393 | | | | |
| 2410 | 6409918,390 | 671963,390 | 89,398 | | | | |
| 2411 | 6409916,890 | 671956,530 | 89,302 | | | | |
| 2412 | 6409914,980 | 671950,600 | 89,390 | | | | |
| 2413 | 6409912,370 | 671943,580 | 89,358 | | | | |
| 2414 | 6409910,340 | 671935,910 | 89,496 | | | | |
| 2415 | 6409907,580 | 671927,670 | 89,509 | | | | |
| 2416 | 6409906,410 | 671921,140 | 89,650 | | | | |
| 2417 | 6409915,070 | 671921,900 | 89,516 | | | | |
| 2418 | 6409917,290 | 671927,680 | 89,737 | | | | |
| 2419 | 6409919,520 | 671935,720 | 89,440 | | | | |
| 2420 | 6409921,320 | 671944,000 | 89,450 | | | | |
| 2421 | 6409923,680 | 671950,060 | 89,372 | | | | |
| 2422 | 6409926,190 | 671955,700 | 89,371 | | | | |
| 2423 | 6409932,210 | 671950,800 | 89,367 | | | | |
| 2424 | 6409931,250 | 671943,420 | 89,362 | | | | |
| 2425 | 6409930,530 | 671936,470 | 89,803 | | | | |
| 2426 | 6409930,280 | 671931,540 | 89,749 | | | | |