


OBJEDNÁVATEĽ



NÁRODNÁ DIAĽNIČNÁ SPOLOČNOSŤ

DOKUMENTÁCIA NA STAVEBNÉ POVOLENIE 115-00

ZÁKAZKA		DIAĽNIČNÝ PRIVÁDZAČ LIETAVSKÁ LÚČKA - ŽILINA			
ČASŤ STAVBY		115-00 OPLOTENIE PRIVÁDZAČA		MILETIČOVA 21, P.O. BOX 34 820 05 BRATISLAVA 25 TEL. : 02/5057 4703, FAX. : 02/5057 4798	
PRÍLOHA		TECHNICKÁ SPRÁVA		STUPEŇ DSP	ČÍSLO ZÁKAZKY 1347/1214
OBJEDNÁVATEĽ		NÁRODNÁ DIAĽNIČNÁ SPOLOČNOSŤ, a.s.		OKRES ŽILINA	
HLAVNÝ INŽ. PROJ. Ing. Marek GOLÁB	TECH. KONTROLA Ing. Ondrej KUPČO	SÚRADNICOVÝ SYSTÉM JTSK		KATASTRÁLNE ÚZEMIE: PORÚBKA, TURIE, LIETAVSKÁ LÚČKA, BYTČICA, ŽILINA	
ZODP. PROJ. Ing. Ján MOCHOROVSKÝ	VED. ÚSEKU Ing. Peter ŽIAK	VÝŠKOVÝ SYSTÉM Bpv		ČÍSLO PRÍLOHY 1	SÚPRAVA
VYPRACOVAL Ing. Ján MOCHOROVSKÝ	DÁTUM 05.2014	FORMÁT A4	MIERKA		

TECHNICKÁ SPRÁVA

115-00 OPLOTENIE PRIVÁDZAČA

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1. IDENTIFIKAČNÉ ÚDAJE

1.1 Stavba

Názov stavby:	Diaľničný privádzač Lietavská Lúčka - Žilina
Názov časti stavby:	115-00 Oplotenie privádzača
Miesto stavby:	Žilinský kraj okres Žilina
Katastrálne územie:	Poluvsie, Porúbka, Turie, Lietavská Lúčka, Bytčica, Žilina
Druh stavby:	novostavba

1.2 Stavebník

Názov stavebníka:	Národná diaľničná spoločnosť, a.s. Mlynské Nivy 45, 821 09 Bratislava
Zakladateľ:	Ministerstvo dopravy, výstavby a regionálneho rozvoja Slovenskej republiky, Námestie Slobody 6, 810 05 Bratislava

1.3 Zhotoviteľ dokumentácie

Názov:	GEOCONSULT spol. s r.o.
Sídlo:	Miletičova 21, P.O.BOX 34, 820 05 Bratislava 25
IČO:	31 422 969

Projektant objektu

Názov:	GEOCONSULT spol. s r.o.
Sídlo:	Miletičova 21, P.O.BOX 34, 820 05 Bratislava 25
Zodpovedný projektant:	Ing. Ján Mochorovský
Stupeň projektovej dokumentácie:	Dokumentácia na stavebné povolenie (DSP)

1.4 Uvažovaný správca objektu

Meno a sídlo:	: Národná diaľničná spoločnosť, a.s. Mlynské Nivy 45, 821 09 Bratislava
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2. TECHNICKÉ RIEŠENIE

2.1 Popis funkčného a technického riešenia

Vzhľadom na dané prostredie – role, lúky, lesy a hornatý kraj v ktorom diaľnica prechádza, je značná migrácia drobnej zveri. Aby nebola ohrozená plynulosť dopravy, bude úsek riešenej časti diaľničného privádzača oplotený. Situačné riešenie oplotenía je zrejmé z príloh č. 2.1 – 2.6 – Situácia oplotenía.

Oplotenie je navrhnuté zo zváraného pozinkovaného pletiva s diferencovanými rozmermi ôk, a zo stĺpikov. Pletivo bude z drôtu ϕ 2,1mm. Výška pletiva je 200cm a zapustené min. 10cm pod úroveň terénu. Každý priamy stĺpik á 25m a rohové stĺpiky budú podopreté vzperami. Stĺpiky i vzpery sú žiarovo zinkované a sú osadené do betónových pätiiek rozmerov 40/40/80 cm z betónu min. C12/15-X0 (XF1) (SK)-CI 1,0-Dmax22 podľa výkresu oplotenía (príloha č.3 Výkres oplotenía).

Celková dĺžka oplotenía je 10912m. V riešenom úseku je navrhnutých 12 bránok o šírke 1,0m.

2.2 Úprava režimu povrchových a podzemných vôd

Oplotenie je navrhnuté bez podmúrovky, len zarazené do zeme resp. na základových pätkách. Jeho vybudovaním sa režim povrchových ani podzemných vôd nezmení.

2.3 Zvláštne požiadavky na postup stavebných prác

Pred začiatkom výstavby oplotenía diaľničného privádzača je potrebné aby boli ukončené práce na súvisiacich stavebných častiach. Najmä pri mostných oporách a pri inžinierskych sieťach, ktorých preložky sú vedené pod navrhnutým oplotením.

3. CHARAKTERISTIKA A POPIS TECHNICKÉHO RIEŠENIA POZEMNEJ KOMUNIKÁCIE

3.1 Z hľadiska starostlivosti o životné prostredie

Vybudovanie oplotenía diaľnice obmedzuje možnosť dopravných kolízií s prípadným vstupom zveri, alebo nepovolaných osôb do jazdnej dráhy. Pri dodržiavaní technicko – kvalitatívnych podmienok (TKP) realizátorom stavby nedôjde výstavbou k narušeniu životného prostredia.

Oplotenie je situované tak, aby bol umožnený prechod migrujúcej zveri v miestach estakád z jednej strany diaľničného privádzača na druhú.

3.2 Z hľadiska bezpečnosti cestnej premávky

Oplotenie zvýši bezpečnosť cestnej premávky tým, že zabráni kolíziám vozidiel s náhodnými chodcami alebo zverou. Inak ako pozitívne do bezpečnosti cestnej premávky nezasahuje.

3.3 Z hľadiska bezpečnosti a ochrany zdravia pri práci a prevádzky zariadení počas výstavby

Počas realizácie stavby je potrebné dôsledne dodržiavať všetky bezpečnostné predpisy týkajúce sa ochrany zdravia pri práci a riadiť sa ustanoveniami uvedenými v TKP (Technicko - kvalitatívne podmienky). Bezpečnosť a ochranu zdravia pri práci sú povinní zaistiť zhotovitelia stavby preškolením a poučením pracovníkov stavby.

Mimoriadnu pozornosť je potrebné venovať všetkým prácam v blízkosti podzemných a nadzemných vedení a tým predísť ich poškodeniu resp. ublíženiu pracovníkov na zdraví. Všetky prekážky treba označiť, za zníženej viditeľnosti osvetliť.

3.4 Popis riešenia ochrany proti agresívnemu prostrediu

Agresívne prostredie sa v okolí objektu nenachádza.

4. BILANCIE HUMUSU A ZEMINY S UVEDENÍM MANIPULÁCIE S NIMI

Zemné práce bude tvoriť výkop jamiek pre základové pätky stĺpikov a vzpier. Zemina z výkopu bude rozprestretá v okruhu 2,0m okolo stĺpika.

5. RÔZNE

5.1 Vytýčenie oplotenia

Vytýčenie polohy oplotenia bude realizované z tabuľky podrobných vytyčovacích bodov, ktorá tvorí prílohu č.1 tejto technickej správy. Sú v nej uvedené súradnice JTSK jednotlivých vytyčovacích bodov, ktorých poloha je zrejmá z príloh č. 2.1 až 2.6 – Situácia oplotenia. V tabuľke sú tiež uvedené body vytyčovacej siete stavby Diaľničný privádzac Lietavská Lúčka - Žilina, ktorých poloha a viditeľnosť medzi jednotlivými bodmi sú taktiež zaznačené v situácii oplotenia. Presnosť vytýčenia bude podľa STN 73 0420 a STN 01 3419 a ich zmien č. 1.

Príloha č.1

Zoznam vytyčovaných bodov oplotení

1	445337.9765	1180970.5158	28	445243.8350	1180922.5582	55	445143.3922	1180884.4465
2	445336.0393	1180967.0162	29	445240.2051	1180920.8787	56	445139.6506	1180883.0320
3	445332.9546	1180966.3714	30	445236.5325	1180919.2937	57	445135.9083	1180881.6195
4	445329.0697	1180966.3308	31	445232.8268	1180917.7880	58	445132.1672	1180880.2040
5	445325.3421	1180964.9592	32	445229.1650	1180916.1801	59	445128.4375	1180878.7585
6	445321.7250	1180963.2513	33	445225.6728	1180914.2606	60	445124.7269	1180877.2647
7	445318.1026	1180961.5548	34	445222.3037	1180912.1630	61	445121.0155	1180875.7728
8	445314.4761	1180959.8670	35	445218.3931	1180911.3222	62	445117.2931	1180874.3090
9	445310.9416	1180958.0074	36	445214.6160	1180910.0249	63	445113.5608	1180872.8703
10	445307.5342	1180955.9122	37	445210.8758	1180908.6071	64	445109.8300	1180871.4276
11	445304.1273	1180953.8163	38	445207.1389	1180907.1804	65	445106.0199	1180870.2112
12	445300.7095	1180951.7381	39	445203.3953	1180905.7714	66	445102.2416	1180868.9002
13	445297.2618	1180949.7101	40	445199.6348	1180904.4080	67	445099.1727	1180866.4922
14	445293.8176	1180947.6761	41	445195.8678	1180903.0629	68	445096.4373	1180863.5740
15	445290.3770	1180945.6359	42	445192.0990	1180901.7227	69	445093.6086	1180860.7458
16	445286.9296	1180943.6074	43	445188.3288	1180900.3865	70	445089.9249	1180859.2904
17	445283.4444	1180941.6443	44	445184.5535	1180899.0648	71	445086.1571	1180857.9491
18	445279.9475	1180939.7022	45	445180.7600	1180897.7964	72	445082.4195	1180856.5242
19	445276.4255	1180937.8067	46	445177.1881	1180896.0192	73	445078.6833	1180855.0955
20	445272.8757	1180935.9631	47	445173.7644	1180893.9568	74	445074.9538	1180853.6496
21	445269.3093	1180934.1519	48	445170.2813	1180892.0836	75	445071.2382	1180852.1685
22	445265.7214	1180932.3837	49	445166.3840	1180891.1832	76	445067.5299	1180850.6690
23	445262.1205	1180930.6419	50	445162.4867	1180890.2827	77	445063.7413	1180849.6423
24	445258.4999	1180928.9420	51	445158.5906	1180889.3769	78	445059.7454	1180849.8241
25	445254.8662	1180927.2698	52	445154.7132	1180888.3976	79	445055.7494	1180850.0013
26	445251.2161	1180925.6336	53	445150.8801	1180887.2627	80	445051.9144	1180849.2365
27	445247.5069	1180924.1387	54	445147.1352	1180885.8572	81	445048.2047	1180847.7405

82	445044.4949	1180846.2445	111	444938.2972	1180805.3740	140	444849.2354	1180756.0279
83	445040.7763	1180844.7709	112	444935.6943	1180802.3368	141	444847.6860	1180758.4666
84	445037.0572	1180843.2984	113	444933.0914	1180799.2995	142	445314.0152	1180997.7977
85	445033.3423	1180841.8153	114	444930.3354	1180796.4550	143	445313.2899	1180993.8640
86	445029.6324	1180840.3197	115	444926.7979	1180794.5879	144	445311.1448	1180990.5659
87	445025.9226	1180838.8240	116	444923.2870	1180792.6716	145	445308.2337	1180987.8589
88	445022.2438	1180837.2536	117	444919.8181	1180790.6801	146	445305.0995	1180985.3735
89	445018.5664	1180835.6797	118	444916.3783	1180788.6389	147	445301.9554	1180982.9008
90	445014.8847	1180834.1161	119	444912.9587	1180786.5638	148	445298.8008	1180980.4415
91	445011.1933	1180832.5757	120	444909.5579	1180784.4579	149	445295.5394	1180978.1326
92	445007.4840	1180831.0787	121	444906.1764	1180782.3214	150	445292.1572	1180975.9970
93	445003.7765	1180829.5772	122	444902.7964	1180780.1823	151	445288.7578	1180973.8890
94	445000.0702	1180828.0729	123	444899.4387	1180778.0085	152	445285.3467	1180971.7999
95	444996.3608	1180826.5761	124	444896.1236	1180775.7710	153	445281.9266	1180969.7255
96	444992.6514	1180825.0793	125	444892.8624	1180773.4555	154	445278.4985	1180967.6646
97	444988.9583	1180823.5428	126	444889.6388	1180771.0878	155	445275.0589	1180965.6226
98	444985.2723	1180821.9894	127	444886.3365	1180768.8306	156	445271.6306	1180963.5618
99	444981.5914	1180820.4237	128	444883.0123	1180766.6059	157	445268.1406	1180961.6087
100	444977.9171	1180818.8428	129	444879.6922	1180764.3749	158	445264.5996	1180959.7493
101	444974.2512	1180817.2426	130	444876.3815	1180762.1302	159	445261.0254	1180957.9535
102	444970.5958	1180815.6183	131	444873.0916	1180759.8552	160	445257.4357	1180956.1888
103	444966.9545	1180813.9629	132	444869.8531	1180757.5091	161	445253.8381	1180954.4404
104	444963.3019	1180812.3470	133	444866.7543	1180754.9797	162	445250.2894	1180952.5951
105	444959.3056	1180812.5181	134	444863.6236	1180752.4901	163	445246.7036	1180950.8230
106	444955.3093	1180812.6891	135	444860.4903	1180750.0036	164	445243.1015	1180949.0840
107	444951.3129	1180812.8602	136	444857.3803	1180747.4883	165	445239.4849	1180947.3752
108	444947.3614	1180812.7924	137	444854.3403	1180745.1679	166	445235.8528	1180945.6995
109	444943.6989	1180811.1844	138	444852.6386	1180748.7879	167	445232.2043	1180944.0601
110	444940.9001	1180808.4113	139	444850.9370	1180752.4079	168	445228.5230	1180942.4959

169	445224.6545	1180941.8333	198	445119.3195	1180897.9847	227	445009.7813	1180859.9864
170	445220.7891	1180941.3344	199	445115.5814	1180896.5612	228	445005.9971	1180858.6903
171	445217.3565	1180939.2808	200	445111.8296	1180895.1741	229	445002.2162	1180857.3847
172	445213.3681	1180939.5845	201	445108.0723	1180893.8020	230	444998.4443	1180856.0531
173	445210.3976	1180937.7681	202	445104.3131	1180892.4351	231	444994.6615	1180854.7532
174	445208.0664	1180934.5526	203	445100.5523	1180891.0725	232	444990.8739	1180853.4671
175	445204.4480	1180932.8477	204	445096.7902	1180889.7137	233	444987.0784	1180852.2047
176	445200.7976	1180931.2124	205	445093.0279	1180888.3553	234	444983.2710	1180850.9786
177	445197.1164	1180929.6485	206	445089.2801	1180886.9575	235	444979.4515	1180849.7905
178	445193.4173	1180928.1263	207	445085.5329	1180885.5581	236	444975.6332	1180848.5985
179	445189.7146	1180926.6130	208	445081.7841	1180884.1629	237	444971.8161	1180847.4027
180	445186.0096	1180925.1056	209	445078.0336	1180882.7724	238	444968.0006	1180846.2021
181	445182.2945	1180923.6230	210	445074.2813	1180881.3866	239	444964.1861	1180844.9980
182	445178.5730	1180922.1565	211	445070.5169	1180880.0342	240	444960.3613	1180843.8271
183	445174.8623	1180920.6637	212	445066.7359	1180878.7293	241	444956.5389	1180842.6486
184	445171.1731	1180919.1178	213	445062.9511	1180877.4350	242	444952.7304	1180841.4264
185	445167.4869	1180917.5648	214	445059.1735	1180876.1198	243	444948.9379	1180840.1550
186	445163.8019	1180916.0089	215	445055.3949	1180874.8074	244	444945.1564	1180838.8510
187	445160.1202	1180914.4452	216	445051.6064	1180873.5240	245	444941.3854	1180837.5170
188	445156.4382	1180912.8823	217	445047.8156	1180872.2475	246	444937.6225	1180836.1606
189	445152.7553	1180911.3214	218	445044.0235	1180870.9747	247	444933.8680	1180834.7809
190	445149.0710	1180909.7639	219	445040.2304	1180869.7049	248	444930.1230	1180833.3756
191	445145.3772	1180908.2289	220	445036.4370	1180868.4361	249	444926.3934	1180831.9298
192	445141.6725	1180906.7211	221	445032.6604	1180867.1181	250	444922.6840	1180830.4334
193	445137.9447	1180905.2708	222	445028.8850	1180865.7966	251	444919.0004	1180828.8750
194	445134.2124	1180903.8321	223	445025.0512	1180864.6881	252	444915.3441	1180827.2532
195	445130.4784	1180902.3977	224	445021.1465	1180863.8375	253	444911.7166	1180825.5676
196	445126.7631	1180900.9157	225	445017.3585	1180862.5527	254	444908.3843	1180823.3617
197	445123.0457	1180899.4391	226	445013.5685	1180861.2736	255	444904.8579	1180821.5080

256	444901.1933	1180819.9046	285	444603.0903	1180317.4920	314	444597.4868	1180205.5798
257	444897.5268	1180818.3057	286	444602.5266	1180313.5319	315	444597.6067	1180201.5816
258	444893.8900	1180816.6402	287	444602.0012	1180309.5666	316	444597.7295	1180197.5835
259	444890.2826	1180814.9125	288	444603.5119	1180305.9088	317	444597.8731	1180193.5860
260	444886.7084	1180813.1177	289	444605.1858	1180302.2759	318	444597.9923	1180189.5878
261	444883.1636	1180811.2644	290	444606.4818	1180298.5851	319	444598.0954	1180185.5892
262	444879.6127	1180809.4230	291	444605.9714	1180294.6178	320	444598.1917	1180181.5903
263	444876.0478	1180807.6087	292	444605.4608	1180290.6506	321	444598.2901	1180177.5915
264	444872.4909	1180805.7791	293	444604.9504	1180286.6833	322	444598.3913	1180173.5928
265	444869.0261	1180803.8033	294	444604.4427	1180282.7156	323	444598.4926	1180169.5941
266	444867.0893	1180801.1921	295	444603.9383	1180278.7475	324	444598.5687	1180165.5949
267	444867.1664	1180798.6779	296	444602.3162	1180275.2298	325	444598.6272	1180161.5953
268	444591.3451	1180365.9172	297	444599.9136	1180272.0322	326	444598.6832	1180157.5957
269	444595.3451	1180365.9281	298	444597.4156	1180268.9081	327	444598.7137	1180153.5958
270	444599.3451	1180365.9390	299	444595.6849	1180265.4468	328	444598.7442	1180149.5959
271	444603.3450	1180365.9498	300	444595.3996	1180261.4879	329	444598.7766	1180145.5961
272	444607.3450	1180365.9607	301	444595.7813	1180257.5062	330	444598.8104	1180141.5962
273	444610.0225	1180364.9529	302	444596.1657	1180253.5247	331	444598.8441	1180137.5964
274	444609.0920	1180361.0654	303	444596.5529	1180249.5435	332	444598.8782	1180133.5965
275	444608.3596	1180357.1330	304	444596.8654	1180245.5562	333	444598.9122	1180129.5966
276	444607.6244	1180353.2012	305	444596.9571	1180241.5644	334	444598.9493	1180125.5968
277	444607.1793	1180349.2277	306	444596.7457	1180237.5711	335	444598.9884	1180121.5970
278	444606.6984	1180345.2572	307	444596.8437	1180233.5723	336	444599.0252	1180117.5972
279	444606.1725	1180341.2920	308	444596.9408	1180229.5735	337	444599.0361	1180113.5972
280	444605.6546	1180337.3256	309	444597.0354	1180225.5746	338	444599.0470	1180109.5972
281	444605.1526	1180333.3573	310	444597.1267	1180221.5756	339	444599.0558	1180105.5972
282	444604.6987	1180329.3831	311	444597.2136	1180217.5766	340	444599.0631	1180101.5972
283	444604.1983	1180325.4148	312	444597.2942	1180213.5774	341	444599.1427	1180097.6042
284	444603.6540	1180321.4520	313	444597.3805	1180209.5783	342	444599.6505	1180093.6523

343	444599.6600	1180089.6523	372	444597.2397	1179973.7962	401	444597.6491	1179868.1349
344	444599.6608	1180085.6523	373	444596.9747	1179969.8050	402	444600.8991	1179865.8030
345	444599.6406	1180081.6525	374	444596.7070	1179965.8140	403	444604.1491	1179863.4711
346	444599.5890	1180077.6528	375	444596.6182	1179961.8254	404	444607.1160	1179862.8599
347	444599.5275	1180073.6533	376	444597.0082	1179957.8451	405	444611.1019	1179862.8870
348	444599.4681	1180069.6537	377	444597.7418	1179953.9129	406	444611.6816	1179858.9968
349	444599.4111	1180065.6541	378	444597.4165	1179949.9733	407	444612.1325	1179855.0225
350	444599.3429	1180061.6547	379	444597.3519	1179946.0254	408	444612.0545	1179851.0602
351	444599.2473	1180057.6559	380	444597.9443	1179942.0695	409	444611.3983	1179847.1144
352	444599.1434	1180053.6572	381	444598.5041	1179938.1089	410	444610.7274	1179843.1711
353	444599.0415	1180049.6585	382	444599.0739	1179934.1497	411	444610.0441	1179839.2299
354	444598.9424	1180045.6598	383	444599.6664	1179930.1938	412	444609.3785	1179835.2856
355	444598.8620	1180041.6606	384	444600.2680	1179926.2393	413	444608.7227	1179831.3398
356	444598.8151	1180037.6609	385	444600.8647	1179922.2841	414	444608.0484	1179827.3974
357	444598.7123	1180033.6623	386	444601.4499	1179918.3271	415	444607.2187	1179823.4844
358	444598.5695	1180029.6649	387	444602.0351	1179914.3702	416	444606.3890	1179819.5714
359	444598.9074	1180025.7016	388	444602.6203	1179910.4132	417	444605.5777	1179815.6546
360	444599.3604	1180021.7447	389	444603.1940	1179906.4546	418	444604.8426	1179811.7240
361	444599.2560	1180017.7461	390	444603.7498	1179902.4934	419	444604.2672	1179807.7656
362	444599.1539	1180013.7474	391	444604.3056	1179898.5322	420	444603.7088	1179803.8047
363	444599.0356	1180009.7492	392	444604.8201	1179894.5655	421	444603.1537	1179799.8434
364	444598.9021	1180005.7514	393	444605.3282	1179890.5979	422	444602.6361	1179795.8772
365	444598.7314	1180001.7551	394	444606.2696	1179886.7558	423	444602.0289	1179791.9308
366	444598.5608	1179997.7587	395	444607.1183	1179883.6686	424	444600.9917	1179788.0676
367	444598.3835	1179993.7627	396	444603.3054	1179884.0632	425	444599.9077	1179784.2173
368	444598.2037	1179989.7667	397	444600.3216	1179882.6277	426	444599.2728	1179780.2834
369	444598.0073	1179985.7716	398	444597.4044	1179880.0085	427	444598.6843	1179776.3365
370	444597.7514	1179981.7798	399	444597.4039	1179876.0085	428	444597.7613	1179772.4445
371	444597.4956	1179977.7880	400	444597.4033	1179872.0085	429	444596.9272	1179768.5324

430	444597.4612	1179764.6121	459	444596.3704	1179649.1865	488	444604.4079	1179533.7114
431	444597.2206	1179760.7225	460	444596.5677	1179645.1914	489	444604.6216	1179529.7171
432	444596.5691	1179756.8276	461	444596.7873	1179641.1974	490	444604.8372	1179525.7229
433	444596.9774	1179752.8485	462	444597.0438	1179637.2060	491	444605.0381	1179521.7280
434	444597.3852	1179748.8694	463	444597.4028	1179633.2221	492	444605.2172	1179517.7322
435	444597.5281	1179744.8745	464	444597.8393	1179629.2461	493	444605.5089	1179513.7428
436	444597.3416	1179740.8866	465	444598.1978	1179625.2626	494	444605.7940	1179509.7530
437	444597.0025	1179736.9043	466	444598.5425	1179621.2775	495	444605.9784	1179505.7581
438	444596.9478	1179732.9047	467	444598.9478	1179617.2986	496	444606.0960	1179501.7598
439	444596.9075	1179728.9049	468	444599.4828	1179613.3345	497	444606.2223	1179497.7619
440	444596.8730	1179724.9051	469	444600.0179	1179609.3705	498	444606.3930	1179493.7655
441	444596.8401	1179720.9052	470	444600.5860	1179605.4111	499	444606.5636	1179489.7691
442	444596.7977	1179716.9054	471	444601.1715	1179601.4542	500	444606.7627	1179485.7741
443	444596.7287	1179712.9060	472	444601.7556	1179597.4971	501	444606.9835	1179481.7803
444	444596.6381	1179708.9071	473	444602.3296	1179593.5385	502	444607.2239	1179477.7875
445	444596.5544	1179704.9079	474	444602.9037	1179589.5799	503	444607.5055	1179473.7975
446	444596.4867	1179700.9085	475	444603.1051	1179585.5970	504	444607.8671	1179469.8139
447	444596.4276	1179696.9090	476	444603.1190	1179581.5982	505	444608.3155	1179465.8394
448	444596.3544	1179692.9097	477	444603.2809	1179577.6016	506	444608.8002	1179461.8689
449	444596.2521	1179688.9110	478	444603.5421	1179573.6102	507	444609.2973	1179457.8999
450	444596.1508	1179684.9122	479	444603.7908	1179569.6179	508	444609.8038	1179453.9321
451	444596.6253	1179680.9796	480	444604.0372	1179565.6255	509	444609.8908	1179449.9480
452	444597.4318	1179677.0785	481	444604.0115	1179561.6456	510	444610.3263	1179445.9799
453	444597.5905	1179673.0816	482	444603.4351	1179557.6907	511	444610.7872	1179442.0069
454	444597.6063	1179669.0818	483	444603.5633	1179553.6927	512	444611.2159	1179438.0300
455	444597.4861	1179665.0845	484	444603.6908	1179549.6947	513	444611.6846	1179434.0579
456	444597.3132	1179661.0882	485	444603.8284	1179545.6971	514	444612.2573	1179430.0991
457	444597.0297	1179657.1050	486	444603.9920	1179541.7006	515	444612.8503	1179426.1433
458	444596.2709	1179653.1777	487	444604.1963	1179537.7058	516	444613.5232	1179422.2006

517	444614.2341	1179418.2643	546	444636.5616	1179304.4628	575	444668.8061	1179193.0562
518	444614.9629	1179414.3312	547	444637.4822	1179300.5703	576	444669.8870	1179189.2050
519	444615.7013	1179410.4000	548	444638.4394	1179296.6865	577	444670.9522	1179185.3495
520	444616.4437	1179406.4695	549	444639.4481	1179292.8158	578	444672.0102	1179181.4919
521	444617.2041	1179402.5424	550	444640.5550	1179288.9721	579	444673.0682	1179177.6344
522	444617.9798	1179398.6184	551	444641.6928	1179285.1374	580	444674.1258	1179173.7767
523	444618.7711	1179394.6974	552	444642.8476	1179281.3077	581	444676.5218	1179170.5879
524	444619.5779	1179390.7797	553	444644.0141	1179277.4816	582	444678.9615	1179167.4181
525	444620.3926	1179386.8635	554	444645.1915	1179273.6588	583	444681.3700	1179164.2274
526	444621.1538	1179382.9366	555	444646.3817	1179269.8400	584	444682.3835	1179160.3579
527	444621.7813	1179378.9865	556	444647.5820	1179266.0243	585	444683.3970	1179156.4884
528	444622.3904	1179375.0331	557	444648.7738	1179262.2061	586	444684.4009	1179152.6164
529	444623.0088	1179371.0812	558	444649.9517	1179258.3834	587	444685.4027	1179148.7439
530	444623.6433	1179367.1319	559	444651.1342	1179254.5622	588	444686.4052	1179144.8716
531	444624.2945	1179363.1852	560	444652.3262	1179250.7439	589	444687.4038	1179140.9982
532	444624.9650	1179359.2418	561	444653.4907	1179246.9172	590	444687.7608	1179137.0821
533	444625.6523	1179355.3013	562	444654.6723	1179243.0957	591	444687.2961	1179133.1093
534	444626.3893	1179351.3700	563	444655.8570	1179239.2752	592	444686.8841	1179129.1305
535	444627.1648	1179347.4459	564	444657.0159	1179235.4469	593	444687.4679	1179125.2322
536	444627.9599	1179343.5257	565	444658.1031	1179231.5975	594	444688.5131	1179121.3712
537	444628.7705	1179339.6087	566	444659.1662	1179227.7414	595	444689.5491	1179117.5077
538	444629.5963	1179335.6949	567	444660.2296	1179223.8853	596	444690.5339	1179113.6312
539	444630.4369	1179331.7842	568	444661.2943	1179220.0296	597	444691.4467	1179109.7369
540	444631.2818	1179327.8745	569	444662.3596	1179216.1741	598	444692.2878	1179105.8263
541	444632.1522	1179323.9705	570	444663.4466	1179212.3246	599	444693.2901	1179101.9541
542	444633.0556	1179320.0739	571	444664.5352	1179208.4756	600	444694.1757	1179098.0544
543	444633.9177	1179316.1679	572	444665.6044	1179204.6212	601	444694.9971	1179094.1397
544	444634.7839	1179312.2628	573	444666.6649	1179200.7643	602	444695.8084	1179090.2228
545	444635.6648	1179308.3610	574	444667.7291	1179196.9085	603	444696.6113	1179086.3042

604	444697.3915	1179082.3810	633	444573.9102	1180307.2030	662	444560.2039	1180193.8585
605	444698.0794	1179078.4413	634	444574.5965	1180303.2623	663	444560.5343	1180189.8759
606	444698.6922	1179074.4886	635	444574.1706	1180299.3000	664	444560.6851	1180185.8795
607	444699.2705	1179070.5306	636	444573.8158	1180295.3159	665	444560.7560	1180181.8802
608	444699.8251	1179066.5693	637	444573.2890	1180291.3561	666	444560.8229	1180177.8807
609	444700.1561	1179062.5849	638	444572.5234	1180287.4300	667	444560.8846	1180173.8812
610	444701.1188	1179058.7793	639	444571.7547	1180283.5046	668	444560.9438	1180169.8816
611	444701.6989	1179055.7645	640	444570.9649	1180279.5833	669	444561.1069	1180165.8863
612	444697.7694	1179055.0170	641	444570.0113	1180275.7026	670	444561.3326	1180161.8933
613	444694.4421	1179054.2394	642	444568.5834	1180271.9933	671	444561.4411	1180157.8947
614	444579.8335	1180365.1981	643	444566.5785	1180268.5321	672	444561.5059	1180153.8953
615	444575.8380	1180365.3381	644	444564.7217	1180264.9905	673	444561.5669	1180149.8957
616	444571.8467	1180365.6018	645	444563.5169	1180261.2349	674	444561.6322	1180145.8963
617	444567.8554	1180365.8654	646	444562.9028	1180257.2858	675	444561.7015	1180141.8969
618	444563.8641	1180366.1290	647	444561.9553	1180253.3996	676	444561.7640	1180137.8974
619	444564.8725	1180362.3750	648	444560.6691	1180249.6134	677	444561.6447	1180133.8992
620	444565.9891	1180358.5340	649	444559.9161	1180245.7145	678	444561.5227	1180129.9010
621	444566.5597	1180354.5807	650	444559.6027	1180241.7274	679	444561.3975	1180125.9030
622	444567.0807	1180350.6149	651	444559.3929	1180237.7329	680	444561.2688	1180121.9051
623	444567.5959	1180346.6484	652	444559.2006	1180233.7375	681	444561.1380	1180117.9072
624	444568.0622	1180342.6758	653	444559.0822	1180229.7394	682	444561.1223	1180113.9072
625	444568.6354	1180338.7170	654	444559.1038	1180225.7410	683	444561.1209	1180109.9072
626	444569.2741	1180334.7685	655	444559.2503	1180221.7439	684	444561.1207	1180105.9072
627	444569.9313	1180330.8229	656	444559.4664	1180217.7502	685	444561.1164	1180101.9073
628	444570.5976	1180326.8788	657	444560.0183	1180213.7884	686	444561.1098	1180097.9073
629	444571.2639	1180322.9346	658	444560.0495	1180209.7984	687	444561.0864	1180093.9073
630	444571.7624	1180318.9659	659	444559.9020	1180205.8012	688	444561.0626	1180089.9074
631	444572.2032	1180314.9904	660	444559.7313	1180201.8049	689	444561.0424	1180085.9074
632	444572.9611	1180311.0813	661	444559.5792	1180197.8095	690	444561.0250	1180081.9075

691	444561.0052	1180077.9075	720	444568.1869	1179962.2297	749	444565.7347	1179865.2548
692	444560.9789	1180073.9076	721	444568.8319	1179958.2820	750	444565.3360	1179861.2747
693	444560.9489	1180069.9077	722	444569.4434	1179954.3290	751	444564.9322	1179857.2952
694	444560.9596	1180065.9080	723	444570.0624	1179950.3772	752	444564.5461	1179853.3139
695	444561.0216	1180061.9085	724	444570.6916	1179946.4270	753	444564.8054	1179849.3276
696	444561.1142	1180057.9096	725	444571.2663	1179942.4726	754	444565.9173	1179845.5398
697	444561.2277	1180053.9112	726	444571.3088	1179938.4728	755	444567.3568	1179841.8219
698	444561.3395	1180049.9127	727	444572.1886	1179934.5878	756	444568.2425	1179837.9212
699	444561.4479	1180045.9142	728	444573.2252	1179930.7244	757	444569.4246	1179834.1003
700	444561.5546	1180041.9156	729	444574.1511	1179926.8383	758	444570.6191	1179830.2828
701	444561.6643	1180037.9171	730	444574.7149	1179922.8807	759	444571.8434	1179826.4751
702	444561.8531	1180033.9216	731	444574.0731	1179918.9325	760	444573.1112	1179822.6826
703	444562.0391	1180029.9259	732	444573.4514	1179914.9811	761	444573.7833	1179818.7394
704	444562.2203	1180025.9300	733	444572.8937	1179911.0206	762	444573.1849	1179814.8361
705	444562.4178	1180021.9351	734	444572.3936	1179907.0520	763	444572.2105	1179810.9570
706	444562.6788	1180017.9436	735	444571.8946	1179903.0833	764	444571.0230	1179807.1483
707	444562.9629	1180013.9537	736	444571.5446	1179899.0987	765	444569.3844	1179803.4994
708	444563.2573	1180009.9645	737	444571.2268	1179895.1113	766	444568.3588	1179799.6393
709	444563.5532	1180005.9755	738	444570.3795	1179891.2439	767	444567.4339	1179795.7478
710	444563.8569	1180001.9871	739	444568.9602	1179887.5041	768	444566.9084	1179791.8279
711	444564.1948	1179998.0014	740	444571.8354	1179886.7237	769	444567.3087	1179787.8499
712	444564.5277	1179994.0153	741	444574.7293	1179885.9026	770	444566.8659	1179783.8745
713	444564.8613	1179990.0292	742	444577.2649	1179882.8090	771	444566.4199	1179779.8994
714	444565.2624	1179986.0500	743	444577.6137	1179878.9338	772	444566.0080	1179775.9208
715	444565.7421	1179982.0789	744	444577.6131	1179874.9338	773	444565.7110	1179771.9344
716	444566.2187	1179978.1074	745	444577.6126	1179870.9338	774	444565.6531	1179767.9348
717	444566.6906	1179974.1353	746	444574.8040	1179868.2632	775	444565.6295	1179763.9348
718	444567.1598	1179970.1629	747	444571.7999	1179866.6305	776	444565.6009	1179759.9349
719	444567.6489	1179966.1930	748	444568.0375	1179867.1301	777	444565.5680	1179755.9351

778	444565.5145	1179751.9356	807	444561.3888	1179636.2274	836	444560.6201	1179523.2075
779	444565.4062	1179747.9370	808	444561.0179	1179632.2446	837	444560.7073	1179519.2084
780	444565.1733	1179743.9438	809	444560.6366	1179628.2628	838	444560.6593	1179515.2099
781	444564.6264	1179739.9853	810	444562.8824	1179625.1370	839	444560.5401	1179511.2116
782	444564.4131	1179736.0157	811	444564.9564	1179621.9515	840	444560.4019	1179507.2142
783	444564.6136	1179732.0214	812	444564.6182	1179617.9659	841	444560.1604	1179503.2215
784	444564.6715	1179728.0219	813	444564.0094	1179614.0125	842	444559.9221	1179499.2286
785	444564.7226	1179724.0222	814	444563.4719	1179610.0490	843	444559.6947	1179495.2351
786	444564.7701	1179720.0225	815	444562.9792	1179606.0797	844	444559.4575	1179491.2422
787	444564.8436	1179716.0232	816	444562.9241	1179602.1420	845	444559.1849	1179487.2515
788	444564.9285	1179712.0243	817	444564.3084	1179598.3891	846	444558.9387	1179483.2591
789	444564.9528	1179708.0243	818	444563.2003	1179594.6738	847	444558.7002	1179479.2662
790	444564.9029	1179704.0250	819	444562.8241	1179590.6915	848	444557.6545	1179475.4958
791	444564.8156	1179700.0260	820	444562.4805	1179586.7064	849	444555.8724	1179471.9280
792	444564.7315	1179696.0268	821	444562.1809	1179582.7176	850	444555.6804	1179467.9326
793	444564.6510	1179692.0277	822	444561.8808	1179578.7289	851	444555.5278	1179463.9356
794	444564.5704	1179688.0285	823	444562.9247	1179574.9365	852	444555.3916	1179459.9380
795	444564.7209	1179684.0315	824	444563.5980	1179571.0891	853	444555.2559	1179455.9403
796	444564.7220	1179680.0326	825	444563.3267	1179567.0985	854	444555.1202	1179451.9426
797	444564.6632	1179676.0331	826	444563.1292	1179563.1034	855	444555.6360	1179448.2079
798	444564.6033	1179672.0335	827	444562.8508	1179559.1131	856	444557.9748	1179445.1951
799	444564.5395	1179668.0340	828	444562.5702	1179555.1230	857	444557.8729	1179441.1964
800	444564.4769	1179664.0345	829	444562.2899	1179551.1328	858	444557.8671	1179437.1965
801	444564.2726	1179660.0407	830	444562.0081	1179547.1428	859	444557.9369	1179433.1974
802	444563.8427	1179656.0679	831	444561.7206	1179543.1531	860	444558.2560	1179429.2221
803	444563.2274	1179652.1155	832	444561.3800	1179539.1677	861	444559.0184	1179425.2958
804	444562.6000	1179648.1650	833	444561.0339	1179535.1827	862	444559.2674	1179421.3036
805	444562.1372	1179644.1920	834	444560.7096	1179531.1959	863	444559.4383	1179417.3075
806	444561.7506	1179640.2110	835	444560.4886	1179527.2053	864	444559.5937	1179413.3106

865	444559.7696	1179409.3144	894	444576.5609	1179294.8915	923	444614.5850	1179186.7332
866	444559.9572	1179405.3188	895	444577.5451	1179291.0146	924	444616.4554	1179183.2075
867	444560.1688	1179401.3245	896	444578.6294	1179287.1644	925	444618.1707	1179179.5940
868	444560.3654	1179397.3293	897	444579.7683	1179283.3300	926	444620.0633	1179176.1126
869	444560.4773	1179393.3328	898	444580.9218	1179279.5000	927	444623.0951	1179173.5034
870	444560.3632	1179389.3344	899	444582.0179	1179275.6550	928	444625.2001	1179170.2009
871	444560.2559	1179385.3359	900	444582.8685	1179271.7465	929	444626.8377	1179166.5515
872	444560.5720	1179381.3645	901	444583.4010	1179267.7835	930	444628.4150	1179162.8757
873	444561.2468	1179377.4230	902	444584.0998	1179263.8486	931	444629.9923	1179159.1998
874	444562.0811	1179373.5109	903	444584.9638	1179259.9433	932	444631.7295	1179155.5970
875	444562.8972	1179369.5951	904	444585.8962	1179256.0535	933	444632.2785	1179151.7166
876	444563.5680	1179365.6531	905	444586.7652	1179252.1490	934	444632.9712	1179147.8652
877	444564.1246	1179361.6924	906	444587.5357	1179248.2245	935	444634.6706	1179144.2441
878	444564.6164	1179357.7228	907	444588.5582	1179244.3747	936	444636.3876	1179140.6314
879	444565.1722	1179353.7616	908	444589.9695	1179240.6334	937	444638.1214	1179137.0267
880	444565.7794	1179349.8081	909	444591.1113	1179236.7998	938	444639.6982	1179133.3536
881	444566.4188	1179345.8595	910	444592.2324	1179232.9601	939	444640.6780	1179129.5307
882	444567.0768	1179341.9140	911	444593.3447	1179229.1179	940	444640.9063	1179125.5630
883	444567.7322	1179337.9681	912	444594.4452	1179225.2723	941	444643.1316	1179122.2391
884	444568.3261	1179334.0125	913	444595.5335	1179221.4234	942	444645.2961	1179118.8757
885	444568.9287	1179330.0582	914	444596.8612	1179217.6502	943	444647.2472	1179115.3925
886	444569.5740	1179326.1109	915	444598.2432	1179213.8966	944	444648.9474	1179111.7718
887	444570.3031	1179322.1779	916	444599.6677	1179210.1590	945	444650.6296	1179108.1427
888	444571.1040	1179318.2593	917	444601.1340	1179206.4376	946	444650.9049	1179104.1624
889	444571.9523	1179314.3503	918	444602.6547	1179202.7379	947	444652.2377	1179100.4776
890	444572.7971	1179310.4406	919	444604.8300	1179199.3853	948	444654.1006	1179096.9379
891	444573.6360	1179306.5295	920	444607.2126	1179196.1765	949	444655.9414	1179093.3867
892	444574.6062	1179302.6490	921	444609.7371	1179193.0748	950	444657.7361	1179089.8119
893	444575.5834	1179298.7702	922	444612.3606	1179190.0554	951	444656.6028	1179086.0552

952	444656.5206	1179082.3964	981	444739.3000	1178832.4303	1010	444755.1118	1178718.6268
953	444658.4977	1179078.9192	982	444739.9139	1178828.4777	1011	444755.5610	1178714.6521
954	444660.4747	1179075.4419	983	444740.3325	1178824.5015	1012	444756.0439	1178710.6814
955	444662.4435	1179071.9600	984	444740.6962	1178820.5181	1013	444756.5525	1178706.7139
956	444664.4099	1179068.4767	985	444741.0838	1178816.5369	1014	444757.0742	1178702.7481
957	444666.3585	1179064.9836	986	444741.4748	1178812.5561	1015	444757.5951	1178698.7821
958	444668.2559	1179061.4623	987	444742.0957	1178808.6048	1016	444758.0580	1178694.8090
959	444670.6418	1179058.2522	988	444742.5994	1178804.6374	1017	444758.0974	1178690.8195
960	444673.2544	1179055.2305	989	444743.0645	1178800.6645	1018	444759.3423	1178687.3714
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962	444679.0325	1179050.4585	991	444743.9838	1178792.7176	1020	444762.9279	1178680.6818
963	444682.9161	1179051.4151	992	444744.4134	1178788.7407	1021	444763.4888	1178676.7213
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965	444731.7380	1178882.1958	994	444745.8753	1178780.8793	1023	444764.6178	1178668.8014
966	444735.6229	1178883.1487	995	444747.0836	1178777.1437	1024	444765.1926	1178664.8429
967	444739.5077	1178884.1016	996	444749.4746	1178773.9370	1025	444765.7647	1178660.8840
968	444740.4750	1178882.8886	997	444749.7184	1178770.0951	1026	444766.3212	1178656.9230
969	444738.4385	1178879.4458	998	444749.4613	1178766.1033	1027	444766.8664	1178652.9603
970	444737.0049	1178875.7199	999	444749.2084	1178762.1113	1028	444767.4093	1178648.9973
971	444735.6556	1178871.9543	1000	444748.9518	1178758.1196	1029	444767.9598	1178645.0354
972	444734.7003	1178868.1114	1001	444749.6468	1178754.1869	1030	444768.6595	1178641.0975
973	444734.9755	1178864.1312	1002	444750.3240	1178750.2449	1031	444769.4010	1178637.1668
974	444735.4381	1178860.1580	1003	444750.9721	1178746.2978	1032	444770.1502	1178633.2376
975	444735.9282	1178856.1882	1004	444751.5981	1178742.3473	1033	444770.8966	1178629.3079
976	444736.4183	1178852.2183	1005	444752.1406	1178738.3843	1034	444771.6705	1178625.3835
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1238	444714.5473	1177982.3638	1267	444616.3883	1177923.0797	1296	444511.3141	1177885.1069
1239	444711.7839	1177979.4718	1268	444612.6248	1177921.7246	1297	444792.6049	1178182.5579
1240	444709.0205	1177976.5798	1269	444608.7968	1177920.5651	1298	444788.6829	1178183.3441
1241	444706.2571	1177973.6878	1270	444604.9661	1177919.4135	1299	444785.6842	1178182.7386

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1302	444783.1264	1178171.0156	1331	444736.7821	1178065.5202	1360	444654.6514	1177984.5664
1303	444782.1783	1178167.1299	1332	444734.5089	1178062.2288	1361	444651.3550	1177982.3010
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1306	444778.9927	1178155.5618	1335	444727.3572	1178052.5934	1364	444641.1897	1177975.9243
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1308	444776.6803	1178147.9039	1337	444722.3474	1178046.3570	1366	444634.2734	1177971.9044
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1310	444774.3147	1178140.2675	1339	444717.2287	1178040.2111	1368	444627.2585	1177968.0587
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1315	444767.6114	1178121.4715	1344	444703.6999	1178025.4885	1373	444610.6184	1177958.6795
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1318	444762.7053	1178110.5225	1347	444695.1717	1178017.0509	1376	444605.0375	1177952.3211
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1502	443928.6295	1176958.7023	1531	443827.9149	1176901.2743	1560	443727.3525	1176843.5084

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1747	443983.9301	1177039.5609	1776	443881.8044	1176984.8604	1805	443780.3482	1176929.0794
1748	443980.4454	1177037.5974	1777	443878.2615	1176983.0036	1806	443777.0997	1176926.7456
1749	443976.9045	1177035.7382	1778	443874.7066	1176981.1698	1807	443773.8672	1176924.3895
1750	443973.3343	1177033.9346	1779	443871.0913	1176979.4586	1808	443770.6778	1176921.9759
1751	443969.7741	1177032.1125	1780	443867.4691	1176977.7616	1809	443767.5075	1176919.5369
1752	443966.2971	1177030.1350	1781	443863.8399	1176976.0800	1810	443764.3371	1176917.0979
1753	443963.1941	1177027.6235	1782	443860.1776	1176974.4714	1811	443761.2108	1176914.6082
1754	443959.8933	1177025.3952	1783	443856.5136	1176972.8667	1812	443758.2876	1176911.8808
1755	443956.3767	1177023.4918	1784	443852.9200	1176971.1155	1813	443755.2613	1176909.2651
1756	443952.7965	1177021.7080	1785	443849.4399	1176969.1521	1814	443752.2496	1176906.6327
1757	443949.2290	1177019.8988	1786	443846.0953	1176966.9584	1815	443749.2519	1176903.9844
1758	443945.6946	1177018.0261	1787	443842.6479	1176964.9296	1816	443746.2641	1176901.3248
1759	443942.1549	1177016.1633	1788	443839.1027	1176963.0804	1817	443743.2764	1176898.6653
1760	443938.5984	1177014.3329	1789	443835.4852	1176961.3763	1818	443740.2649	1176896.0326
1761	443935.0693	1177012.4517	1790	443831.8340	1176959.7428	1819	443737.4367	1176893.2051
1762	443931.5719	1177010.5104	1791	443828.2354	1176958.0002	1820	443734.6355	1176890.3498
1763	443928.0904	1177008.5410	1792	443824.7163	1176956.0987	1821	443731.8458	1176887.4831
1764	443924.6115	1177006.5667	1793	443821.1974	1176954.1967	1822	443729.0514	1176884.6254
1765	443921.0980	1177004.6575	1794	443817.6786	1176952.2947	1823	443725.6592	1176882.5056
1766	443917.5190	1177002.8712	1795	443814.1802	1176950.3553	1824	443722.0758	1176880.7414
1767	443913.9363	1177001.0925	1796	443810.6874	1176948.4060	1825	443718.4803	1176878.9915
1768	443910.3494	1176999.3221	1797	443807.2218	1176946.4088	1826	443714.9091	1176877.1909

1827	443711.2912	1176875.4849	1856	443624.5125	1176800.0917	1885	443548.9712	1176712.1752
1828	443707.8833	1176873.3969	1857	443621.8809	1176797.0900	1886	443546.4328	1176709.0845
1829	443704.4925	1176871.2765	1858	443619.6398	1176793.8047	1887	443543.9465	1176705.9524
1830	443700.9641	1176869.3923	1859	443616.9782	1176790.8188	1888	443541.5106	1176702.7796
1831	443697.4381	1176867.5036	1860	443614.3259	1176787.8245	1889	443539.0832	1176699.6003
1832	443693.9495	1176865.5467	1861	443611.5825	1176784.9186	1890	443536.6570	1176696.4201
1833	443690.4618	1176863.5882	1862	443608.8594	1176781.9886	1891	443534.2163	1176693.2511
1834	443687.0633	1176861.4793	1863	443606.1368	1176779.0582	1892	443531.7809	1176690.0779
1835	443683.7008	1176859.3188	1864	443603.4124	1176776.1294	1893	443529.3736	1176686.8837
1836	443680.6639	1176856.7155	1865	443600.7261	1176773.1658	1894	443527.0245	1176683.6462
1837	443677.7039	1176854.0258	1866	443598.0554	1176770.1881	1895	443524.7756	1176680.3383
1838	443674.7604	1176851.3174	1867	443595.3831	1176767.2117	1896	443522.5416	1176677.0203
1839	443671.8113	1176848.6150	1868	443592.7800	1176764.1750	1897	443520.3709	1176673.6616
1840	443668.8589	1176845.9162	1869	443590.1928	1176761.1244	1898	443518.2869	1176670.2474
1841	443665.9318	1176843.1900	1870	443587.5923	1176758.0851	1899	443516.2169	1176666.8246
1842	443663.0155	1176840.4523	1871	443584.9871	1176755.0498	1900	443514.1508	1176663.3995
1843	443660.1133	1176837.6997	1872	443582.3539	1176752.0389	1901	443511.9128	1176660.2113
1844	443657.2285	1176834.9288	1873	443579.7219	1176749.0268	1902	443508.0432	1176659.1984
1845	443654.3500	1176832.1513	1874	443577.1394	1176745.9724	1903	443504.1726	1176658.1891
1846	443651.4797	1176829.3654	1875	443574.5538	1176742.9204	1904	443500.2975	1176657.1972
1847	443648.6245	1176826.5641	1876	443571.9687	1176739.8679	1905	443497.2191	1176655.0987
1848	443645.7827	1176823.7491	1877	443569.3833	1176736.8158	1906	443495.0488	1176651.7387
1849	443642.9660	1176820.9090	1878	443566.7987	1176733.7629	1907	443492.8864	1176648.3736
1850	443640.8322	1176817.5376	1879	443564.2002	1176730.7219	1908	443490.7414	1176644.9974
1851	443638.5085	1176814.2941	1880	443561.6025	1176727.6805	1909	443488.6148	1176641.6096
1852	443635.7941	1176811.3843	1881	443559.0726	1176724.5821	1910	443486.6275	1176638.1398
1853	443632.6561	1176808.9053	1882	443556.5425	1176721.4840	1911	443484.7196	1176634.6242
1854	443629.9284	1176805.9796	1883	443553.9855	1176718.4082	1912	443482.8426	1176631.0919
1855	443627.2140	1176803.0416	1884	443551.4615	1176715.3055	1913	443484.6256	1176627.5986

1914	443486.1254	1176623.9304	1943	443437.4386	1176200.8299	1972	443427.5866	1176085.2564
1915	443487.0596	1176620.0410	1944	443437.0812	1176196.8460	1973	443427.2972	1176081.2669
1916	443487.9938	1176616.1516	1945	443436.7500	1176192.8598	1974	443427.0073	1176077.2774
1917	443490.4807	1176613.4785	1946	443436.4311	1176188.8725	1975	443426.7175	1176073.2879
1918	443494.0332	1176611.6400	1947	443436.1183	1176184.8847	1976	443426.4236	1176069.2988
1919	443451.6472	1176289.6305	1948	443435.8122	1176180.8965	1977	443426.1123	1176065.3109
1920	443447.8295	1176290.8246	1949	443435.5109	1176176.9078	1978	443425.7963	1176061.3234
1921	443446.3281	1176288.3169	1950	443435.2145	1176172.9188	1979	443425.4857	1176057.3355
1922	443445.8428	1176284.3465	1951	443434.9051	1176168.9310	1980	443425.0546	1176053.3611
1923	443445.3698	1176280.3745	1952	443434.5345	1176164.9482	1981	443424.5027	1176049.4001
1924	443444.9074	1176276.4014	1953	443434.0830	1176160.9738	1982	443424.2003	1176045.4116
1925	443444.4651	1176272.4259	1954	443433.6573	1176156.9965	1983	443423.8979	1176041.4230
1926	443444.0706	1176268.4458	1955	443433.2542	1176153.0169	1984	443423.5954	1176037.4345
1927	443443.7769	1176264.4566	1956	443432.8649	1176149.0359	1985	443423.2930	1176033.4459
1928	443443.4920	1176260.4667	1957	443432.4806	1176145.0544	1986	443423.0006	1176029.4566
1929	443443.2132	1176256.4765	1958	443432.1030	1176141.0723	1987	443422.7163	1176025.4667
1930	443442.9408	1176252.4858	1959	443431.7215	1176137.0905	1988	443422.4291	1176021.4771
1931	443442.6743	1176248.4947	1960	443431.3394	1176133.1088	1989	443422.1434	1176017.4873
1932	443442.4130	1176244.5032	1961	443430.9688	1176129.1260	1990	443421.8601	1176013.4973
1933	443442.1481	1176240.5120	1962	443430.6383	1176125.1397	1991	443421.9268	1176009.5209
1934	443441.7446	1176236.5333	1963	443430.3142	1176121.1529	1992	443422.3507	1176005.5583
1935	443441.2944	1176232.5587	1964	443429.9957	1176117.1656	1993	443422.0649	1176001.5685
1936	443440.7431	1176228.6019	1965	443429.6824	1176113.1779	1994	443421.7706	1175997.5793
1937	443439.8216	1176224.7095	1966	443429.3745	1176109.1897	1995	443421.8903	1175993.6087
1938	443439.3924	1176220.7341	1967	443429.0726	1176105.2011	1996	443422.3699	1175989.6556
1939	443438.9869	1176216.7547	1968	443428.7731	1176101.2124	1997	443421.9767	1175985.6750
1940	443438.6017	1176212.7733	1969	443428.4713	1176097.2238	1998	443421.5746	1175981.6953
1941	443438.2329	1176208.7904	1970	443428.1715	1176093.2350	1999	443421.1873	1175977.7141
1942	443437.8381	1176204.8099	1971	443427.8765	1176089.2459	2000	443420.8106	1175973.7319

2001	443420.4357	1175969.7495	2030	443417.3392	1175854.1283	2059	443441.8632	1175741.0341
2002	443420.0555	1175965.7676	2031	443417.6905	1175850.1437	2060	443443.1243	1175737.2382
2003	443419.6712	1175961.7861	2032	443418.0427	1175846.1592	2061	443444.3866	1175733.4425
2004	443419.2850	1175957.8048	2033	443418.3952	1175842.1748	2062	443445.7321	1175729.6766
2005	443418.9203	1175953.8215	2034	443418.9996	1175838.2209	2063	443447.1544	1175725.9380
2006	443418.4670	1175949.8547	2035	443419.6009	1175834.2663	2064	443448.5877	1175722.2038
2007	443417.5308	1175945.9658	2036	443420.2056	1175830.3123	2065	443450.1082	1175718.5040
2008	443417.1388	1175941.9874	2037	443420.8121	1175826.3585	2066	443451.6286	1175714.8042
2009	443416.7804	1175938.0035	2038	443421.4196	1175822.4049	2067	443453.2016	1175711.1267
2010	443416.4763	1175934.0155	2039	443422.0619	1175818.4570	2068	443454.7966	1175707.4585
2011	443416.2314	1175930.0230	2040	443422.7383	1175814.5146	2069	443456.4087	1175703.7978
2012	443415.9831	1175926.0307	2041	443423.4588	1175810.5800	2070	443458.0613	1175700.1552
2013	443415.6118	1175922.0480	2042	443424.1798	1175806.6456	2071	443459.7140	1175696.5126
2014	443415.3232	1175918.0590	2043	443424.9009	1175802.7111	2072	443461.3667	1175692.8699
2015	443415.1357	1175914.0645	2044	443425.6705	1175798.7872	2073	443463.0557	1175689.2441
2016	443415.1809	1175910.0647	2045	443426.6671	1175794.9134	2074	443464.7619	1175685.6263
2017	443415.2217	1175906.0649	2046	443427.6637	1175791.0395	2075	443466.4680	1175682.0084
2018	443415.2638	1175902.0651	2047	443428.6604	1175787.1657	2076	443468.1562	1175678.3829
2019	443415.3038	1175898.0653	2048	443429.6197	1175783.2824	2077	443469.5739	1175674.6426
2020	443415.3444	1175894.0656	2049	443430.5778	1175779.3989	2078	443471.5043	1175671.1436
2021	443415.4081	1175890.0661	2050	443431.5805	1175775.5268	2079	443473.4834	1175667.6675
2022	443415.5390	1175886.0683	2051	443432.6181	1175771.6637	2080	443475.4625	1175664.1915
2023	443415.6864	1175882.0711	2052	443433.6643	1175767.8030	2081	443477.4427	1175660.7160
2024	443415.8360	1175878.0738	2053	443434.7575	1175763.9553	2082	443479.4224	1175657.2403
2025	443415.9864	1175874.0767	2054	443435.8507	1175760.1076	2083	443481.3999	1175653.7633
2026	443416.1372	1175870.0795	2055	443437.0025	1175756.2772	2084	443483.3821	1175650.2890
2027	443416.2941	1175866.0827	2056	443438.1742	1175752.4526	2085	443485.3629	1175646.8138
2028	443416.6379	1175862.0975	2057	443439.3710	1175748.6360	2086	443487.3408	1175643.3371
2029	443416.9902	1175858.1130	2058	443440.6171	1175744.8351	2087	443489.3206	1175639.8614

2088	443491.3730	1175636.4284	2117	443554.8064	1175539.3413	2146	443618.9645	1175442.7008
2089	443493.4523	1175633.0114	2118	443557.0609	1175536.0372	2147	443621.1642	1175439.3600
2090	443495.5298	1175629.5932	2119	443559.3155	1175532.7331	2148	443623.3613	1175436.0174
2091	443497.6087	1175626.1759	2120	443561.5502	1175529.4156	2149	443625.5584	1175432.6748
2092	443499.6885	1175622.7591	2121	443563.7795	1175526.0944	2150	443627.7439	1175429.3247
2093	443501.7691	1175619.3428	2122	443566.0025	1175522.7690	2151	443629.9262	1175425.9724
2094	443503.8616	1175615.9338	2123	443568.2095	1175519.4330	2152	443632.1162	1175422.6252
2095	443505.9630	1175612.5302	2124	443570.4165	1175516.0969	2153	443634.3258	1175419.2909
2096	443508.0644	1175609.1267	2125	443572.6235	1175512.7609	2154	443636.5354	1175415.9566
2097	443510.1808	1175605.7326	2126	443574.8306	1175509.4249	2155	443638.7416	1175412.6200
2098	443512.3432	1175602.3675	2127	443577.0353	1175506.0874	2156	443640.9469	1175409.2828
2099	443514.5947	1175599.0613	2128	443579.2338	1175502.7457	2157	443643.1522	1175405.9457
2100	443516.8508	1175595.7583	2129	443581.4323	1175499.4041	2158	443645.3575	1175402.6085
2101	443519.0366	1175592.4092	2130	443583.6289	1175496.0612	2159	443647.5628	1175399.2714
2102	443521.1988	1175589.0449	2131	443585.8250	1175492.7180	2160	443649.7883	1175395.9477
2103	443523.4620	1175585.7467	2132	443588.0270	1175489.3786	2161	443652.0222	1175392.6296
2104	443525.7253	1175582.4486	2133	443590.2441	1175486.0493	2162	443654.2586	1175389.3132
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2106	443530.1816	1175575.8048	2135	443594.6793	1175479.3913	2164	443658.8073	1175382.7328
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2108	443534.6294	1175569.1552	2137	443599.1169	1175472.7349	2166	443663.4342	1175376.2066
2109	443536.8535	1175565.8305	2138	443601.3380	1175469.4083	2167	443665.7541	1175372.9480
2110	443539.0776	1175562.5059	2139	443603.5592	1175466.0817	2168	443668.0638	1175369.6823
2111	443541.3053	1175559.1836	2140	443605.7761	1175462.7522	2169	443670.3560	1175366.4042
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2113	443545.7905	1175552.5592	2142	443610.1985	1175456.0857	2171	443674.9351	1175359.8443
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2116	443552.5523	1175542.6457	2145	443616.7636	1175446.0409	2174	443681.8620	1175350.0459

2175	443684.1511	1175346.7656	2204	443744.3352	1175248.3745	2233	443808.1663	1175154.3366
2176	443686.4258	1175343.4756	2205	443746.2856	1175244.8823	2234	443809.9724	1175150.7719
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2180	443693.7314	1175329.5894	2209	443755.0450	1175231.8605	2238	443816.2511	1175136.2458
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2182	443696.7731	1175322.3866	2211	443759.1281	1175224.9817	2240	443814.0200	1175128.5632
2183	443698.9234	1175319.0138	2212	443761.1058	1175221.5048	2241	443813.2319	1175124.7512
2184	443701.0634	1175315.6343	2213	443763.0725	1175218.0217	2242	443814.9523	1175121.1402
2185	443703.1945	1175312.2493	2214	443765.0312	1175214.5341	2243	443814.0656	1175118.4487
2186	443705.3176	1175308.8593	2215	443766.9809	1175211.0414	2244	443811.0175	1175118.1472
2187	443707.4322	1175305.4640	2216	443768.8931	1175207.5281	2245	443807.5424	1175118.6071
2188	443709.5877	1175302.0944	2217	443770.7729	1175203.9974	2246	443483.7580	1176588.2560
2189	443711.8126	1175298.7707	2218	443772.7381	1175200.5151	2247	443480.1459	1176589.9744
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2191	443716.3062	1175292.1520	2220	443776.8573	1175193.6571	2249	443473.5241	1176590.9651
2192	443718.5389	1175288.8331	2221	443778.9169	1175190.2281	2250	443470.3358	1176588.5496
2193	443720.7644	1175285.5094	2222	443781.2530	1175186.9979	2251	443467.1458	1176586.1363
2194	443722.9795	1175282.1788	2223	443783.1034	1175183.4539	2252	443464.8262	1176582.9758
2195	443725.1890	1175278.8444	2224	443784.8658	1175179.8631	2253	443462.9085	1176579.4654
2196	443727.3922	1175275.5058	2225	443786.6177	1175176.2671	2254	443460.9796	1176575.9613
2197	443729.6179	1175272.1822	2226	443788.3596	1175172.6663	2255	443459.0496	1176572.4577
2198	443731.8256	1175268.8467	2227	443790.4467	1175169.3799	2256	443457.1344	1176568.9460
2199	443734.0100	1175265.4958	2228	443793.9483	1175167.4734	2257	443455.2443	1176565.4207
2200	443736.1804	1175262.1359	2229	443797.6069	1175165.8957	2258	443453.3694	1176561.8873
2201	443738.3372	1175258.7673	2230	443800.9028	1175163.6292	2259	443452.9658	1176557.9603
2202	443740.3733	1175255.3243	2231	443803.9792	1175161.1531	2260	443452.8405	1176553.9622
2203	443742.3666	1175251.8565	2232	443806.0915	1175157.7563	2261	443452.5975	1176549.9988

2262	443450.8322	1176546.4097	2291	443417.5735	1176457.2563	2320	443391.5251	1176349.9077
2263	443449.0975	1176542.8054	2292	443416.6308	1176453.3690	2321	443390.0252	1176346.1995
2264	443447.3565	1176539.2042	2293	443415.7232	1176449.4735	2322	443389.2912	1176342.3077
2265	443445.6366	1176535.5928	2294	443414.9017	1176445.5606	2323	443389.0159	1176338.3184
2266	443443.9308	1176531.9748	2295	443414.3686	1176441.5963	2324	443388.8753	1176334.3209
2267	443442.2426	1176528.3485	2296	443414.1099	1176437.6067	2325	443388.7497	1176330.3228
2268	443440.5825	1176524.7093	2297	443413.9555	1176433.6099	2326	443389.5502	1176326.7426
2269	443438.9394	1176521.0623	2298	443413.8529	1176429.6113	2327	443392.6304	1176324.1906
2270	443437.3955	1176517.3727	2299	443413.7749	1176425.6120	2328	443395.7106	1176321.6387
2271	443435.8823	1176513.6699	2300	443413.7223	1176421.6124	2329	443398.7908	1176319.0867
2272	443434.3839	1176509.9612	2301	443413.9661	1176417.6293	2330	443401.8710	1176316.5347
2273	443432.9115	1176506.2421	2302	443414.4897	1176413.6641	2331	443401.7131	1176312.6213
2274	443430.7143	1176503.0548	2303	443415.1350	1176409.7164	2332	443401.3821	1176308.6350
2275	443434.3117	1176503.9387	2304	443415.8546	1176405.7819	2333	443400.8096	1176304.8052
2276	443438.1525	1176505.0558	2305	443416.7058	1176401.8761	2334	443397.3056	1176302.8760
2277	443439.4878	1176503.7459	2306	443417.7312	1176398.0098	2335	443393.8016	1176300.9467
2278	443438.2489	1176499.9426	2307	443417.9637	1176394.0177	2336	443390.2977	1176299.0174
2279	443437.0101	1176496.1393	2308	443416.4120	1176390.4958	2337	443387.4981	1176296.6038
2280	443435.7712	1176492.3360	2309	443414.2017	1176387.1623	2338	443387.0409	1176292.6332
2281	443432.4823	1176490.6490	2310	443411.9425	1176383.8614	2339	443386.8647	1176288.6371
2282	443428.6414	1176489.5320	2311	443409.6977	1176380.5507	2340	443386.4510	1176284.6588
2283	443424.9253	1176488.2807	2312	443407.4615	1176377.2341	2341	443386.0226	1176280.6818
2284	443424.3208	1176484.3689	2313	443405.1315	1176373.9966	2342	443385.6784	1176276.6978
2285	443423.8420	1176480.4199	2314	443402.2717	1176371.2000	2343	443385.3145	1176272.7235
2286	443422.7468	1176476.5728	2315	443399.8399	1176368.0662	2344	443384.4049	1176268.8283
2287	443421.6241	1176472.7336	2316	443397.8415	1176364.6058	2345	443384.1354	1176264.8421
2288	443420.5538	1176468.8796	2317	443396.3507	1176360.8940	2346	443383.9300	1176260.8474
2289	443419.5122	1176465.0176	2318	443394.7671	1176357.2213	2347	443383.7213	1176256.8528
2290	443418.5301	1176461.1403	2319	443393.1472	1176353.5640	2348	443383.4946	1176252.8593

2349	443383.2215	1176248.8687	2378	443381.2809	1176132.9110	2407	443380.1477	1176017.3022
2350	443383.0820	1176244.8714	2379	443381.2494	1176128.9112	2408	443380.0359	1176013.3037
2351	443382.9509	1176240.8735	2380	443381.2093	1176124.9114	2409	443379.8417	1176009.3085
2352	443382.8121	1176236.8759	2381	443381.1624	1176120.9117	2410	443379.6551	1176005.3129
2353	443382.6668	1176232.8786	2382	443381.1071	1176116.9120	2411	443379.4680	1176001.3172
2354	443382.5125	1176228.8815	2383	443381.0423	1176112.9126	2412	443379.2799	1175997.3217
2355	443382.3270	1176224.8859	2384	443380.9775	1176108.9131	2413	443379.1024	1175993.3256
2356	443382.1277	1176220.8908	2385	443382.0901	1176105.1158	2414	443378.9475	1175989.3286
2357	443381.9529	1176216.8948	2386	443382.8037	1176101.2589	2415	443378.8055	1175985.3311
2358	443381.8336	1176212.8967	2387	443382.6366	1176097.2624	2416	443378.6761	1175981.3332
2359	443381.7645	1176208.8973	2388	443382.4622	1176093.2662	2417	443378.6043	1175977.3352
2360	443381.6849	1176204.8981	2389	443382.3309	1176089.2683	2418	443378.7456	1175973.3377
2361	443381.5978	1176200.8990	2390	443382.2160	1176085.2700	2419	443378.9680	1175969.3439
2362	443381.5031	1176196.9001	2391	443382.1070	1176081.2715	2420	443379.1949	1175965.3504
2363	443381.4009	1176192.9014	2392	443381.9976	1176077.2730	2421	443379.4000	1175961.3557
2364	443381.2919	1176188.9029	2393	443381.8874	1176073.2745	2422	443379.5609	1175957.3591
2365	443381.1675	1176184.9049	2394	443381.7769	1176069.2760	2423	443379.6334	1175953.3597
2366	443381.0329	1176180.9071	2395	443381.6418	1176065.2783	2424	443380.2974	1175949.4236
2367	443380.9631	1176176.9088	2396	443381.4965	1176061.2810	2425	443380.6744	1175945.4585
2368	443381.0116	1176172.9091	2397	443381.3510	1176057.2836	2426	443380.6952	1175941.4587
2369	443381.0764	1176168.9096	2398	443381.2059	1176053.2863	2427	443380.6446	1175937.4624
2370	443381.1344	1176164.9100	2399	443381.0602	1176049.2889	2428	443380.1432	1175933.5398
2371	443381.1854	1176160.9103	2400	443380.9155	1176045.2915	2429	443380.2087	1175929.5404
2372	443381.2290	1176156.9106	2401	443380.7833	1176041.2937	2430	443380.2307	1175925.5406
2373	443381.2657	1176152.9107	2402	443380.6687	1176037.2954	2431	443380.2191	1175921.5407
2374	443381.2973	1176148.9109	2403	443380.5668	1176033.2967	2432	443380.2333	1175917.5407
2375	443381.3184	1176144.9109	2404	443380.4651	1176029.2980	2433	443380.2596	1175913.5408
2376	443381.3191	1176140.9109	2405	443380.3651	1176025.2992	2434	443380.2275	1175909.5412
2377	443381.3037	1176136.9110	2406	443380.2599	1176021.3006	2435	443380.2774	1175905.5436

2436	443380.4665	1175901.5481	2465	443392.4344	1175786.6345	2494	443430.7671	1175677.4324
2437	443380.6577	1175897.5526	2466	443393.2943	1175782.7281	2495	443432.5272	1175673.8405
2438	443380.8485	1175893.5572	2467	443394.1827	1175778.8280	2496	443434.3120	1175670.2608
2439	443381.0519	1175889.5625	2468	443395.1112	1175774.9373	2497	443436.1221	1175666.6939
2440	443381.3316	1175885.5723	2469	443396.0785	1175771.0561	2498	443437.9576	1175663.1399
2441	443381.6143	1175881.5823	2470	443397.0944	1175767.1874	2499	443439.8465	1175659.6139
2442	443381.9016	1175877.5926	2471	443398.1600	1175763.3320	2500	443441.6964	1175656.0675
2443	443382.1859	1175873.6027	2472	443399.2560	1175759.4851	2501	443443.6543	1175652.5795
2444	443382.4675	1175869.6126	2473	443400.3681	1175755.6428	2502	443445.6131	1175649.0919
2445	443382.6749	1175865.6283	2474	443401.5120	1175751.8099	2503	443447.3503	1175645.4900
2446	443381.7504	1175861.7366	2475	443402.6801	1175747.9843	2504	443449.1797	1175641.9368
2447	443381.7040	1175857.7760	2476	443403.8770	1175744.1676	2505	443451.1893	1175638.4782
2448	443382.0412	1175853.7903	2477	443405.2047	1175740.3945	2506	443453.1986	1175635.0195
2449	443382.4019	1175849.8066	2478	443406.5342	1175736.6219	2507	443455.2063	1175631.5599
2450	443382.7972	1175845.8262	2479	443407.8604	1175732.8481	2508	443457.2160	1175628.1014
2451	443383.2260	1175841.8493	2480	443409.1884	1175729.0750	2509	443459.2279	1175624.6442
2452	443383.6904	1175837.8764	2481	443410.5513	1175725.3144	2510	443461.2400	1175621.1871
2453	443384.1891	1175833.9076	2482	443411.9455	1175721.5653	2511	443463.3695	1175617.8011
2454	443384.7161	1175829.9425	2483	443413.3579	1175717.8229	2512	443465.4996	1175614.4154
2455	443385.2814	1175825.9827	2484	443414.7858	1175714.0865	2513	443467.6297	1175611.0297
2456	443385.8758	1175822.0271	2485	443416.2355	1175710.3584	2514	443469.7598	1175607.6441
2457	443386.4990	1175818.0760	2486	443417.7198	1175706.6441	2515	443471.8898	1175604.2583
2458	443387.1509	1175814.1295	2487	443419.2308	1175702.9405	2516	443474.0197	1175600.8726
2459	443387.8414	1175810.1896	2488	443420.7732	1175699.2499	2517	443476.1955	1175597.5164
2460	443388.5631	1175806.2553	2489	443422.3526	1175695.5749	2518	443478.3962	1175594.1761
2461	443389.2954	1175802.3229	2490	443423.9827	1175691.9222	2519	443480.5968	1175590.8359
2462	443390.0347	1175798.3918	2491	443425.6404	1175688.2819	2520	443482.6018	1175587.3899
2463	443390.8011	1175794.4659	2492	443427.3243	1175684.6536	2521	443484.2245	1175583.7371
2464	443391.6033	1175790.5472	2493	443429.0331	1175681.0370	2522	443486.4344	1175580.4030

2523	443488.6931	1175577.1019	2552	443552.8316	1175480.4724	2581	443615.8517	1175383.1673
2524	443490.9912	1175573.8281	2553	443555.1233	1175477.1940	2582	443617.9435	1175379.7579
2525	443493.3134	1175570.5712	2554	443557.4151	1175473.9156	2583	443619.9801	1175376.3154
2526	443495.6374	1175567.3155	2555	443559.7068	1175470.6372	2584	443622.1087	1175372.9289
2527	443497.9635	1175564.0615	2556	443561.9985	1175467.3588	2585	443624.2659	1175369.5605
2528	443500.2565	1175560.7840	2557	443563.8860	1175463.8404	2586	443626.4205	1175366.1904
2529	443502.4862	1175557.4635	2558	443566.0187	1175460.4645	2587	443628.5365	1175362.7959
2530	443504.6578	1175554.1044	2559	443568.2577	1175457.1499	2588	443630.6468	1175359.3980
2531	443506.8090	1175550.7321	2560	443570.4870	1175453.8288	2589	443632.6255	1175355.9217
2532	443508.9811	1175547.3733	2561	443572.7154	1175450.5069	2590	443634.6042	1175352.4454
2533	443511.1837	1175544.0344	2562	443574.9448	1175447.1858	2591	443636.4671	1175348.9072
2534	443513.3678	1175540.6837	2563	443577.1752	1175443.8654	2592	443638.2598	1175345.3314
2535	443515.5133	1175537.3077	2564	443579.4091	1175440.5473	2593	443639.8245	1175341.6515
2536	443517.6595	1175533.9322	2565	443581.6344	1175437.2235	2594	443641.3361	1175337.9482
2537	443519.8073	1175530.5578	2566	443583.8256	1175433.8771	2595	443642.6299	1175334.1633
2538	443521.9551	1175527.1834	2567	443586.0330	1175430.5414	2596	443643.8741	1175330.3617
2539	443524.1024	1175523.8086	2568	443588.3258	1175427.2642	2597	443644.8699	1175326.4907
2540	443526.2492	1175520.4335	2569	443590.6324	1175423.9963	2598	443645.7414	1175322.5883
2541	443528.3965	1175517.0587	2570	443592.8853	1175420.6921	2599	443646.2882	1175318.6258
2542	443530.5676	1175513.6992	2571	443595.0175	1175417.3078	2600	443646.7884	1175314.6581
2543	443532.7555	1175510.3506	2572	443597.1498	1175413.9235	2601	443647.1428	1175310.6738
2544	443534.9509	1175507.0069	2573	443599.2821	1175410.5393	2602	443647.6217	1175306.7031
2545	443537.1487	1175503.6649	2574	443601.4144	1175407.1550	2603	443647.8416	1175302.7184
2546	443539.3467	1175500.3228	2575	443603.5467	1175403.7707	2604	443647.8049	1175298.7187
2547	443541.5440	1175496.9804	2576	443605.6049	1175400.3418	2605	443647.3714	1175294.7423
2548	443543.7406	1175493.6375	2577	443607.5998	1175396.8748	2606	443646.8742	1175290.7749
2549	443545.9564	1175490.3077	2578	443609.6402	1175393.4344	2607	443646.1332	1175286.8442
2550	443548.2482	1175487.0292	2579	443611.6954	1175390.0028	2608	443645.3923	1175282.9134
2551	443550.5399	1175483.7508	2580	443613.7598	1175386.5767	2609	443644.6513	1175278.9826

2610	443643.6715	1175275.1128	2639	443672.4535	1175249.1314	2668	443742.5548	1175170.7434
2611	443642.4386	1175271.3075	2640	443675.9350	1175251.0378	2669	443744.2557	1175167.1234
2612	443641.1610	1175267.5292	2641	443679.8070	1175251.9987	2670	443746.0857	1175163.5678
2613	443639.6144	1175263.8403	2642	443683.7902	1175252.1563	2671	443748.0545	1175160.0874
2614	443638.0665	1175260.1519	2643	443687.7405	1175251.6542	2672	443750.0382	1175156.6175
2615	443637.3469	1175256.2328	2644	443691.5647	1175250.5229	2673	443751.7779	1175153.0157
2616	443637.4069	1175252.2456	2645	443695.0892	1175248.6515	2674	443753.4805	1175149.3962
2617	443636.9640	1175248.3577	2646	443698.2749	1175246.2406	2675	443755.1575	1175145.7648
2618	443635.9087	1175244.5006	2647	443701.2022	1175243.5188	2676	443756.8571	1175142.1439
2619	443634.6374	1175240.7080	2648	443703.8421	1175240.5172	2677	443758.6213	1175138.5542
2620	443633.2204	1175236.9677	2649	443706.2660	1175237.3383	2678	443760.4188	1175134.9808
2621	443632.0751	1175233.1395	2650	443708.4866	1175234.0143	2679	443762.0669	1175131.3390
2622	443631.3142	1175229.2294	2651	443710.3954	1175230.5116	2680	443763.6008	1175127.6448
2623	443630.8129	1175225.2807	2652	443712.0392	1175226.8735	2681	443767.2145	1175129.2699
2624	443629.1967	1175221.6796	2653	443714.3306	1175223.5949	2682	443770.4853	1175130.7772
2625	443626.0790	1175219.2147	2654	443716.6221	1175220.3163	2683	443804.4829	1175117.4217
2626	443622.8030	1175216.9195	2655	443718.6703	1175216.8906	2684	443802.5650	1175057.7993
2627	443657.6244	1175206.7740	2656	443720.5101	1175213.3388	2685	443798.9171	1175056.1896
2628	443656.0180	1175210.4372	2657	443722.2643	1175209.7449	2686	443797.3034	1175053.4856
2629	443656.0224	1175214.2786	2658	443723.9548	1175206.1197	2687	443798.9576	1175049.8437
2630	443655.8400	1175218.2376	2659	443725.7104	1175202.5257	2688	443800.3507	1175046.0944
2631	443656.8071	1175222.1107	2660	443727.4779	1175198.9374	2689	443801.5345	1175042.2757
2632	443657.8938	1175225.9603	2661	443729.1920	1175195.3241	2690	443802.6322	1175038.4293
2633	443659.0083	1175229.8001	2662	443730.8477	1175191.6837	2691	443803.7058	1175034.5761
2634	443660.5520	1175233.4903	2663	443732.6908	1175188.1337	2692	443804.7600	1175030.7176
2635	443662.0989	1175237.1788	2664	443734.7707	1175184.7183	2693	443805.9887	1175026.9110
2636	443664.0744	1175240.6471	2665	443736.8122	1175181.2801	2694	443807.1956	1175023.0974
2637	443666.9029	1175243.4214	2666	443738.7264	1175177.7678	2695	443808.3882	1175019.2793
2638	443669.5244	1175246.4302	2667	443740.6406	1175174.2556	2696	443809.6180	1175015.4737

2697	443810.9474	1175011.7011	2726	443849.0916	1174904.3081
2698	443812.2761	1175007.9282	2727	443852.9262	1174905.1636
2699	443813.5635	1175004.1411	2728	443855.3268	1174903.2496
2700	443814.8300	1175000.3469	2729	443856.4058	1174899.3979
2701	443816.1015	1174996.5544	2730	443857.4848	1174895.5461
2702	443817.3962	1174992.7698	2731	443858.5637	1174891.6944
2703	443818.6915	1174988.9853	2732	443860.8225	1174888.4626
2704	443820.1330	1174985.2544	2733	443850.8260	1175027.7524
2705	443821.3929	1174981.4610	2734	443847.6935	1175030.2398
2706	443822.6135	1174977.6525	2735	443844.8906	1175033.0840
2707	443823.9078	1174973.8677	2736	443842.4869	1175036.2812
2708	443825.1731	1174970.0731	2737	443840.6522	1175039.8308
2709	443826.5023	1174966.3004	2738	443839.6479	1175043.6898
2710	443827.8586	1174962.5374	2739	443836.8265	1175044.9103
2711	443829.2168	1174958.7751			
2712	443830.5637	1174955.0087			
2713	443831.8982	1174951.2379			
2714	443833.1753	1174947.4472			
2715	443834.3988	1174943.6391			
2716	443835.6137	1174939.8280			
2717	443836.8465	1174936.0228			
2718	443838.1153	1174932.2294			
2719	443839.4693	1174928.4656			
2720	443840.9057	1174924.7326			
2721	443842.1544	1174920.9363			
2722	443843.2365	1174917.0858			
2723	443844.2988	1174913.2307			
2724	443845.5939	1174909.4462			
2725	443846.6133	1174905.5793			

Zoznam vytyčovaných bodov bránok

Bránka 1	444847.9990	1180758.0560
Bránka 2	444591.8451	1180365.9228
Bránka 3	444579.3335	1180365.1990
Bránka 4	444695.0497	1179054.3885
Bránka 5	444682.7802	1179051.3833
Bránka 6	444728.4638	1178881.3925
Bránka 7	444713.9820	1178892.1000
Bránka 8	444785.7382	1178464.8087
Bránka 9	444772.9836	1178463.0538
Bránka 10	444793.5607	1178133.5844
Bránka 11	443805.1708	1175117.7239
Bránka 12	443835.5101	1175044.3994

Zoznam bodov vytyčovacej siete

Súradnicový systém: **S-JTSK**

Výškový systém: **B.p.V.**

číslo bodu	y (m)	σ_y (mm)	x (m)	σ_x (mm)	H (m)	σ_H (mm)
615	444743,826	3,2	1179335,016	3,5	386,734	1,2
616	444769,039	3,2	1179696,600	3,4	389,259	1,2
617	444625,790	4,3	1180389,920	5,4	386,871	1,1
618	444627,305	15,9	1180587,137	22,6	389,158	1,1
619	445135,801	4,7	1180939,479	9,5	389,924	1,2
692	444139,309	2,5	1177292,515	2,6	412,198	1,2
693	444024,760	2,3	1177157,873	2,3	415,756	1,2
694	444005,656	2,1	1177005,651	1,8	397,458	1,2
695	443792,840	2,4	1176883,209	2,4	393,570	1,2
696	443537,857	2,6	1176917,524	2,8	395,805	1,2
697	443446,021	2,8	1176603,066	3,0	375,592	1,2
698	443363,529	2,9	1176344,312	3,2	392,365	1,2
699	443337,919	2,9	1176186,942	3,0	390,973	1,2
700	443310,737	3,1	1175850,537	3,3	371,374	1,2
701	443413,540	3,2	1175540,738	3,6	367,151	1,2
702	443643,354	3,5	1175191,608	4,2	364,863	1,2
703	443826,233	4,5	1174875,531	5,8	361,696	1,1
824	444962,504	3,0	1178898,708	3,3	375,283	1,3
825	444825,569	4,7	1178827,872	5,0	373,687	1,3
829	444735,041	3,8	1178183,497	4,9	440,259	1,2
830	444631,715	2,5	1178013,269	3,6	436,902	1,2
831	444371,006	2,4	1177845,134	2,7	419,465	1,2
832	444336,649	2,0	1177593,099	1,8	396,549	1,2
1815	443888,346	3,6	1174519,604	4,8	353,870	1,1