



PROJECTE D'OBRES D'URBANITZACIÓ DEL SECTOR PARC DE L'ALBA DE CERDANYOLA DEL VALLÈS.

## ANNEX 4.- TRAÇAT

### 1.INTRODUCCIÓ

En el present annex es justifica la proposta sobre tots els paràmetres que defineixen geomètricament la configuració del projecte.

En concret, s'entén per disseny geomètric la definició en planta, la definició en alçat, i la definició en secció transversal.

Com a nomenclatura per a identificar els eixos s'ha utilitzat el següent criteri:

Eixos nord-est – sud-oest s'anomenen amb número, eixos oest - est s'anomenen amb lletra. Segons la seva funcionalitat, els eixos definits en el present projecte es divideixen en:

- Vials convencionals, els quals conformarien la vialitat principal del sector comunicant els diferents àmbits del pla parcial o aquests amb l'exterior. La nomenclatura usada és "eix-" i "rot-" per les rotondes. Dins d'aquests es podria discernir entre els eixos locals (A-23, 2A1, 3B, 4A, 4B, 5 i 6C, B, C, E, G, H, J23, K1, K2, K3) i els que comuniquen amb altres àmbits del municipi o l'autopista (A1,1A1, 1A2, A2A, A2B, A3, A4, 7, 8a, 8b, AB1, F, Gb).
- Eixos de prioritat invertida, es plantegen com a plataforma única, i serveixen per a unir els carrers del punt anterior i subdividir les illes que aquells definirien. S'anomenen amb el prefix "EP-".
- Camins que formen part de les zones verdes. El sentit d'incloure aquests eixos dins l'estudi, és la necessitat de definir un contorn consolidat de les parcel·les que tenen part del perímetre en zones verdes. En el projecte s'anomenen "camí-" i la seva numeració és correlativa de 1 a 11b i camins amb la finalitat de poder albergar línies elèctriques on s'anomenen –"camí-" amb numeració de L1 a L3.

L'àmbit de projecte es divideix en quatre etapes, aquestes subdividides en 8 fases que a la seva vegada es subdivideixen en 30 projectes diferenciats entre projecte d'urbanització pròpiament i projectes a realitzar en les zones verdes. A continuació es llisten les etapes, fases i projectes considerats en el planejament:

### ETAPA 1

#### Fase A "Parc de la Ciència"

##### Urbanització

- A0** - Projecte camí L1 serveis
- A2** – Projecte d'urbanització de les parcel·les PC1 12 i Set Ball.
- A3** - Projecte d'urbanització Plaça A
- A4** - Projecte d'urbanització vorera eix-A1 al voltant d'Elena
- A5** - Projecte d'urbanització accessos parcel·la PC1 11 i 50.04 a la Carretera BP1413 i camí 10 amb col·lector fins eix K3

**A7** - Projecte d'urbanització del segon tram dels eixos 3B i G\*

**A8** - Projecte d'instal·lació de la línia elèctrica de subministrament a la zona CPD

##### Zones verdes

**A1** -Adequació topogràfica i urbanització de zona verda àmbits abocadors AVI Nord i Montserrat I

**A6** - Projecte d'urbanització Parc del Torrent de Sant Marçal

**A9** - Projecte d'instal·lació dels dipòsits de pre-tractament d'aigües de calçada i cunetes verdes

### ETAPA2

#### Fase B "Estació"

##### Urbanització

**B1** - Projecte d'urbanització vialitat entorn estació i entorns

**B2** - Projecte dipòsit de reg

**B3** - Projecte dels camins L2 i L3 serveis

#### Fase C "Entorn Castell"

##### Urbanització

**C1** - Projecte d'urbanització de la Rambla castell i vials adjacents

**C2** - Projecte d'urbanització entorn del Castell

#### Fase D "Entorn Can Planas"

##### Urbanització

**D3** - Projecte d'urbanització dels vials a l'entorn del Parc

##### Zones verdes

**D2** - Projecte d'urbanització del Parc del Castell i Torrent dels Gorgs

#### Fase E "Gorgs"

##### Urbanització

**E1** - Projecte d'urbanització del passeig dels Gorgs + Connexions exteriors vorera i glorietes

**E2** - Projecte d'urbanització Vials dels Gorgs

##### Zones verdes

**E3** - Projecte d'urbanització Parc del Torrent dels Gorgs



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**E4** - Projecte constructiu de la Bassa de laminació de la Riera de Sant Cugat i entorns de Collserola-Can Codonyers

**E5** - Projecte d'urbanització dels Espais lliures de Collserola-Can Codonyers-Granja Rosita

**ETAPA3**

**Fase F "Front AP-7"**

Urbanització

**F1**- Projecte d'urbanització Vialitat front AP-7

**F3** - Perllongament fals túnel ferroviari

Zones verdes

**F2** - Projecte d'urbanització Zona verda front AP7

**Fase G "Connexió Sant Cugat N"**

Urbanització

**G1**- Projecte d'urbanització Vialitat connexió nord amb Sant Cugat

Zones verdes

**G2** - Projecte d'urbanització Corredor verd

**ETAPA4**

**Fase H "Can Costa"**

Urbanització

**H1**- Projecte d'urbanització del Vials entorn can Costa

Zones verdes

**H2** - Projecte d'urbanització Espai lliure Collserola-Can Costa

**H3** - Projecte d'urbanització Espai lliure Sacesa (nau)

Els eixos de traçat en relació amb els projectes es descriuen en la següent taula:

PROJECTE	EIX	NOM	PK inicial	PK final	LONGITUD
					(m)
F1	1	EIX-1a1	125,000	179,133	54,133
F1	2	EIX-1a2	0,000	210,000	210,000
F1	3	EIX-2a1	0,000	160,000	160,000
A7	6	EIX-3b	250,000	520,324	270,324

C1	7	EIX-4a	0,000	577,795	577,795
D3	8	EIX-4b	0,000	265,000	265,000
C1	8	EIX-4b	265,000	570,000	305,000
B1	9	EIX-5	0,000	220,000	220,000
C2	9	EIX-5	220,000	489,610	269,610
E2	10	EIX-6c	0,000	498,853	498,853
E2	11	EIX-Ep-e	0,000	91,043	91,043
E1	13	EIX-7	0,000	1602,941	1602,941
B1	14	EIX-EP8	0,000	196,248	196,248
G1	15	EIX-A1	505,000	985,000	480,000
F1	15	EIX-A1	985,000	1012,090	27,090
F1	16	EIX-A2a	0,000	1128,100	1128,100
F1	17	EIX-A2b	0,000	1131,428	1131,428
F1	18	EIX-A23	0,000	428,830	428,830
B1	19	EIX-A3	20,000	780,000	760,000
E1	19	EIX-A3	780,000	808,110	28,110
E1	20	EIX-A4	0,000	15,000	15,000
B1	20	EIX-A4	15,000	250,000	235,000
C1	21	EIX-B	230,000	425,000	195,000
C2	21	EIX-B	425,000	820,000	395,000
E2	21	EIX-B	820,000	1180,000	360,000
E1	21	EIX-B	1180,000	1302,891	122,891
C1	22	EIX-C	190,000	335,000	145,000
D3	22	EIX-C	335,000	750,000	415,000
C2	22	EIX-C	750,000	855,000	105,000
E2	22	EIX-C	855,000	1170,000	315,000
E1	22	EIX-C	1170,000	1376,401	206,401
E1	23	EIX-E	0,000	198,367	198,367
A7	24	EIX-Ga	0,000	160,000	160,000
C1	24	EIX-Ga	160,000	430,415	270,415
F1	25	ROT-1	0,000	307,876	307,876
E1	26	ROT-2B	0,000	295,160	295,160



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D3	28	Ep-2	0,000	99,698	99,698
C2	29	Ep-3	0,000	100,000	100,000
D3	29	Ep-3	100,000	192,038	92,038
C2	30	Ep-4	0,000	100,000	100,000
D3	30	Ep-4	100,000	192,000	92,000
C2	31	Ep-5c	0,000	172,961	172,961
E2	32	EIX-Ep-6	0,000	305,107	305,107
C1	33	Ep-a	0,000	134,352	134,352
C2	34	Ep-b	0,000	343,678	343,678
D3	35	Ep-c	0,000	105,297	105,297
C2	36	Ep-d	0,000	79,301	79,301
E2	37	Ep-f	0,000	60,111	60,111
E1	38	Ep-g	0,000	80,857	80,857
E1	39	Ep-9	0,000	86,450	86,450
E1	40	Ep-h	0,000	109,060	109,060
F1	41	camí-1	0,000	440,575	440,575
F2	42	camí-2	0,000	383,046	383,046
A6	43	camí-5	0,000	174,434	174,434
A6	44	camí-6	0,000	309,219	309,219
A6	45	camí-7	0,000	448,187	448,187
B1	47	EIX-AB	0,000	510,000	510,000
B1	49	EP0	0,000	88,648	88,648
E1	51	ELIP-1	0,000	246,774	246,774
B1	54	EIX-EP5A	0,000	132,076	132,076
C2	55	EIX-EP5B	0,000	72,697	72,697
E2	56	EIX-EP7a	0,000	110,302	110,302
E2	57	EIX-EP7b	0,000	169,914	169,914
E1	58	EIX-F	0,000	182,364	182,364
E1	59	EIX-Gb	0,000	120,000	120,000
E1	60	CAMÍ-8	0,000	252,905	252,905
B1	62	EIX-AB-1	0,000	144,424	144,424
D2	63	CAMÍ 11a	0,000	124,664	124,664

D2	64	CAMÍ 11b	0,000	226,099	226,099
E1	65	EIX-8a	0,000	0,000	0,000
E1	66	EIX-8b	0,000	0,000	0,000
H1	70	EIX-H	0,000	258,498	258,498
H1	71	EIX J23	0,000	344,321	344,321
H1	72	EIX K1	0,000	774,310	774,310
H1	73	EIX K2	0,000	185,463	185,463
A5	74	EIX K3	0,000	140,000	140,000
H3	74	EIX K3	140,000	186,248	46,248
A5	75	Camí-10	0,000	494,493	494,493
E1	76	Camí-9	0,000	773,517	773,517
A1	77	Camí-L1	0,000	1145,527	1145,527
A8	78	Camí-L2	0,000	445,637	445,637
B3	79	Camí-L3	0,000	336,234	336,234
E1	80	EIX-7a	0,000	55,728	55,728
E1	81	EIX-G0	0,000	62,177	62,177
E1	82	EIX-Gc	0,000	65,122	65,122
				<b>TOTAL EIXOS (m)</b>	<b>23.670,128</b>

Els paràmetres que determinen la geometria queden condicionats per:

- L'orografia del terreny on s'emplaça el pla parcial. En aquest cas es tracta d'un terreny força ondulat, on són habituals els pendents per sobre el 8%. Per altra banda travessen de nord a sud diversos cursos irregulars d'aigua, els principals són el torrent de can Magrans i el de can Fatjó, que obliga al traçat a discórrer amb un gàlib suficient que permeti el correcte desguàs dels cabals que es determina en l'estudi d'inundabilitat del projecte.
- La presència d'infraestructures existents. En aquest sentit, caldrà tenir en compte la línia de RENFE, els vials ja executats en fases anteriors, els vials existents fora de l'àmbit (límit amb els eixos, rot-2b, A4, B, C, E) o dins (1A1, 1A2 i rambla del Castell).

Finalment s'han tingut en compte les característiques del terreny existent per a la definició dels talussos en desmunt i terraplè, els gruixos de terra vegetal i el balanç de terres.



### Normativa d'aplicació

No existeix una normativa general de referència d'obligat compliment per al disseny del viari urbà. Més concretament, l'ajuntament de Cerdanyola, que seria l'administració actuant en el desenvolupament d'aquest projecte, no disposa d'un manual propi o normativa que estableixi els criteris bàsics a tenir en compte en la definició geomètrica del traçat viari.

Donat que no hi ha una normativa d'obligat compliment, allà on sigui possible, es proposa adaptar els principis generals de la norma "3.1- I.C. Trazado de la Instrucción de Carreteras".

Un altre documents tècnic a tenir en compte en el disseny del viari urbà és el que el Ministeri de Foment va publicar l'any 1993, titulat "Carreteras Urbanas. Recomendaciones para su planeamiento y proyecto". Aquest es pot tenir en compte sobretot per adaptar els criteris de la normativa de carreteres a l'àmbit de projecte, sobretot i pel que respecta al dimensionament de les seccions transversals.

### Càlcul del traçat i llistats

Per realitzar el traçat del projecte s'ha utilitzat el programa comercial de càlcul ISTRAM .

S'adjunten els llistats en planta i alçat així com llistat de punts singulars del traçat

### Paràmetres de disseny del viari

#### Traçat en planta.

Donada una via qualsevol, el traçat en planta es defineix a partir d'una sèrie d'alineacions rectes, corbes circulars, i corbes de transició per evitar discontinuïtats en les curvatures entre les anteriors.

La variable principal que s'utilitza per a la definició dels paràmetres és la velocitat de projecte. Aquesta determina els valors de la visibilitat de la via (de parada, d'avançament i de creuament), la longitud mínima i màxima de les rectes, el radi i la longitud en corbes circulars (i en conseqüència el peralt), el paràmetre de les corbes de transició, i la relació entre radis consecutius.

Les alineacions en planta es defineixen per la situació en planta dels vèrtexs entre dues rectes, pel seu l'azimut, pel paràmetre dels acords, i pel centre i el radi de les circumferències.

En el disseny de vials urbans de baixa velocitat ( $\leq 50$  Km/h), no és necessari usar corbes de transició.

Tanmateix, degut a la necessitat de deixar una previsió per al pas en un hipotètic futur de la sortida del túnel d'Horta, els eixos 7, 8a i 8b, es projecten seguint la traça en planta d'aquesta previsió. Amb la qual cosa els eixos es projecten amb rectes i corbes enllaçades amb clotoïdes.

En la taula adjunta es resumeixen els principals paràmetres del disseny dels eixos en planta.

NOM EIX	EIX	DADA	TIPUS	LONGITUD	P.K.	RADIO	PARAMETRE
Eix-1a1	1	1	RECTA	69,769	0,000		
Eix-1a1	1	2	CIRC.	88,632	69,769	300,000	
Eix-1a1	1	3	RECTA	20,733	158,401		

Eix-1a1	1				179,133		
Eix-1a2	2	1	RECTA	0,112	0,000		
Eix-1a2	2	2	CIRC.	7,614	0,112	-45,000	
Eix-1a2	2	3	CIRC.	248,671	7,725	740,000	
Eix-1a2	2	4	RECTA	20,000	256,397		
Eix-1a2	2				276,397		
Eix-2a1	3	1	RECTA	335,150	0,000		
Eix-2a1	3	2	CIRC.	48,695	335,150	-90,000	
Eix-2a1	3	3	RECTA	147,396	383,845		
Eix-2a1	3	4	CIRC.	110,073	531,241	70,000	
Eix-2a1	3	5	RECTA	269,995	641,315		
Eix-2a1	3				911,310		
EIX-3b	6	1	RECTA	520,324	0,000		
EIX-3b	6				520,324		
EIX-4a	7	1	RECTA	577,795	0,000		
EIX-4a	7				577,795		
EIX-4b	8	1	RECTA	84,996	0,000		
EIX-4b	8	2	CIRC.	51,352	84,996	-78,500	
EIX-4b	8	3	RECTA	311,477	136,348		
EIX-4b	8	4	CIRC.	46,470	447,825	56,000	
EIX-4b	8	5	RECTA	90,012	494,295		
EIX-4b	8				584,308		
EIX-5	9	1	RECTA	96,151	0,000		
EIX-5	9	2	CIRC.	66,024	96,151	-220,000	
EIX-5	9	3	RECTA	327,435	162,175		
EIX-5	9				489,610		
EIX-6c	10	1	RECTA	321,415	0,000		
EIX-6c	10	2	CIRC.	49,233	321,415	121,500	
EIX-6c	10	3	RECTA	128,205	370,648		
EIX-6c	10				498,853		
EIX-Ep-e	11	1	RECTA	91,043	0,000		
EIX-Ep-e	11				91,043		
EIX-7	13	1	RECTA	346,906	0,000		
EIX-7	13	2	CIRC.	328,833	346,906	900,000	
EIX-7	13		CLOT.	99,334	675,740		299,000
EIX-7	13	3	RECTA	595,886	775,074		
EIX-7	13	4	CIRC.	162,345	1.370,960	815,000	
EIX-7	13	5	RECTA	69,635	1.533,305		
EIX-7	13				1.602,941		
EIX-EP8	14	1	RECTA	196,248	0,000		



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EIX-EP8	14				196,248		
EIX-A1	15	1	RECTA	23,164	0,000		
EIX-A1	15	2	CIRC.	302,819	23,164	-450,000	
EIX-A1	15	3	RECTA	404,121	325,983		
EIX-A1	15	4	CIRC.	216,139	730,104	400,000	
EIX-A1	15	5	RECTA	65,847	946,243		
EIX-A1	15				1.012,090		
EIX-A2a	16	1	RECTA	287,445	0,000		
EIX-A2a	16	2	CIRC.	312,445	287,445	-491,000	
EIX-A2a	16	3	RECTA	112,469	599,890		
EIX-A2a	16	4	CIRC.	162,600	712,358	309,000	
EIX-A2a	16	5	CIRC.	194,637	874,958	-1.991,000	
EIX-A2a	16	6	RECTA	58,506	1.069,594		
EIX-A2a	16				1.128,100		
EIX-A2b	17	1	RECTA	287,455	0,000		
EIX-A2b	17	2	CIRC.	323,262	287,455	-508,000	
EIX-A2b	17	3	RECTA	112,469	610,717		
EIX-A2b	17	4	CIRC.	153,654	723,186	292,000	
EIX-A2b	17	5	CIRC.	196,298	876,840	-2.008,000	
EIX-A2b	17	6	RECTA	58,290	1.073,139		
EIX-A2b	17				1.131,428		
EIX-A23	18	1	RECTA	99,065	0,000		
EIX-A23	18	2	CIRC.	15,708	99,065	-10,000	
EIX-A23	18	3	RECTA	226,792	114,773		
EIX-A23	18	4	CIRC.	15,708	341,566	-10,000	
EIX-A23	18	5	RECTA	71,556	357,274		
EIX-A23	18				428,830		
EIX-A3	19	1	RECTA	42,320	0,000		
EIX-A3	19	2	CIRC.	165,828	42,320	-251,500	
EIX-A3	19	3	RECTA	599,962	208,148		
EIX-A3	19				808,110		
EIX-A4	20	1	RECTA	257,110	0,000		
EIX-A4	20				257,110		
EIX-B	21	1	RECTA	334,164	0,000		
EIX-B	21	2	CIRC.	169,047	334,164	-130,000	
EIX-B	21	3	RECTA	306,557	503,211		
EIX-B	21	4	CIRC.	78,883	809,768	150,000	
EIX-B	21	5	RECTA	414,239	888,651		
EIX-B	21				1.302,891		
EIX-C	22	1	RECTA	188,805	0,000		

EIX-C	22	2	CIRC.	365,033	188,805	-320,000	
EIX-C	22	3	RECTA	285,922	553,838		
EIX-C	22	4	CIRC.	124,588	839,760	150,000	
EIX-C	22	5	RECTA	249,856	964,348		
EIX-C	22	6	CIRC.	51,799	1.214,204	150,000	
EIX-C	22	7	RECTA	98,358	1.266,003		
EIX-C	22	8	CIRC.	9,068	1.364,361	-25,000	
EIX-C	22	9	RECTA	2,971	1.373,430		
EIX-C	22				1.376,401		
EIX-E	23	1	RECTA	198,367	0,000		
EIX-E	23				198,367		
EIX-Ga	24	1	RECTA	430,415	0,000		
EIX-Ga	24				430,415		
ROT-1	25	1	CIRC.	307,876	0,000	49,000	
ROT-1	25				307,876		
ROT-2B	26	1	CIRC.	295,310	0,000	47,000	
ROT-2B	26				295,310		
Ep-2	28	1	RECTA	99,698	0,000		
Ep-2	28				99,698		
Ep-3	29	1	RECTA	192,038	0,000		
Ep-3	29				192,038		
Ep-4	30	1	RECTA	192,000	0,000		
Ep-4	30				192,000		
Ep-5c	31	1	RECTA	172,961	0,000		
Ep-5c	31				172,961		
EIX-Ep-6	32	1	RECTA	74,806	0,000		
EIX-Ep-6	32	2	CIRC.	59,808	74,806	-114,000	
EIX-Ep-6	32	3	RECTA	51,436	134,614		
EIX-Ep-6	32	4	CIRC.	59,604	186,051	-114,000	
EIX-Ep-6	32	5	RECTA	59,452	245,655		
EIX-Ep-6	32				305,107		
Ep-a	33	1	RECTA	65,451	0,000		
Ep-a	33	2	CIRC.	68,901	65,451	-184,860	
Ep-a	33				134,352		
Ep-b	34	1	CIRC.	140,888	0,000	-222,000	
Ep-b	34	2	RECTA	202,789	140,888		
Ep-b	34				343,678		
Ep-c	35	1	RECTA	105,297	0,000		
Ep-c	35				105,297		



## PROJECTE D'OBRES D'URBANITZACIÓ DEL SECTOR PARC DE L'ALBA DE CERDANYOLA DEL VALLÈS.

Ep-d	36	1	RECTA	79,301	0,000		
Ep-d	36				79,301		
Ep-f	37	1	RECTA	60,111	0,000		
Ep-f	37				60,111		
Ep-g	38	1	RECTA	80,857	0,000		
Ep-g	38				80,857		
Ep-9	39	1	RECTA	86,450	0,000		
Ep-9	39				86,450		
Ep-h	40	1	RECTA	64,679	0,000		
Ep-h	40	2	RECTA	44,381	64,679	a= 16°05'54"	
Ep-h	40				109,060		
camí-1	41	1	RECTA	244,345	0,000		
camí-1	41	2	CIRC.	31,982	244,345	-120,000	
camí-1	41	3	RECTA	164,248	276,327		
camí-1	41				440,575		
camí-2	42	1	RECTA	103,296	0,000		
camí-2	42	2	CIRC.	31,059	103,296	-971,096	
camí-2	42	3	RECTA	248,691	134,355		
camí-2	42				383,046		
camí-5	43	1	RECTA	8,661	0,000		
camí-5	43	2	CIRC.	69,251	8,661	-177,782	
camí-5	43	3	RECTA	96,521	77,913		
camí-5	43				174,434		
camí-6	44	1	RECTA	8,806	0,000		
camí-6	44	2	CIRC.	26,124	8,806	-68,000	
camí-6	44	3	RECTA	136,737	34,930		
camí-6	44	4	CIRC.	4,491	171,667	14,033	
camí-6	44	5	RECTA	133,060	176,158		
camí-6	44				309,219		
camí-7	45	1	RECTA	46,286	0,000		
camí-7	45	2	CIRC.	25,646	46,286	-68,500	
camí-7	45	3	RECTA	146,402	71,932		
camí-7	45	4	CIRC.	31,118	218,334	40,000	
camí-7	45	5	RECTA	136,261	249,452		
camí-7	45	6	CIRC.	23,024	385,713	-38,500	
camí-7	45	7	RECTA	39,450	408,737		
camí-7	45				448,187		
EIX-AB	47	1	RECTA	184,681	0,000		
EIX-AB	47	2	CIRC.	41,597	184,681	100,000	

EIX-AB	47	3	RECTA	301,173	226,278		
EIX-AB	47				527,451		
EPO	49	1	RECTA	88,648	0,000		
EPO	49				88,648		
ELIP-1	51	1	CIRC.	82,826	0,000	34,500	
ELIP-1	51	2	CIRC.	40,561	82,826	54,750	
ELIP-1	51	3	CIRC.	82,826	123,387	34,500	
ELIP-1	51	4	CIRC.	40,561	206,213	54,750	
ELIP-1	51				246,774		
EIX-EP5A	54	1	RECTA	73,325	0,000		
EIX-EP5A	54	2	RECTA	58,752	73,325	a= 22°51'55"	
EIX-EP5A	54				132,076		
EIX-EP5B	55	1	RECTA	72,697	0,000		
EIX-EP5B	55				72,697		
EIX-EP7a	56	1	RECTA	110,302	0,000		
EIX-EP7a	56				110,302		
EIX-EP7b	57	1	RECTA	9,387	0,000		
EIX-EP7b	57	2	CIRC.	6,112	9,387	-15,000	
EIX-EP7b	57	3	RECTA	34,111	15,499		
EIX-EP7b	57	4	CIRC.	2,583	49,610	-15,000	
EIX-EP7b	57	5	RECTA	117,721	52,194		
EIX-EP7b	57				169,914		
EIX-F	58	1	RECTA	134,040	0,000		
EIX-F	58	2	RECTA	48,325	134,040	a= 48°43'29"	
EIX-F	58				182,364		
EIX-Gb	59	1	RECTA	43,236	0,000		
EIX-Gb	59	2	RECTA	130,890	43,236	a= 9°24'22"	
EIX-Gb	59				174,126		
CAMÍ-8	60	1	RECTA	198,230	0,000		
CAMÍ-8	60	2	CIRC.	5,951	198,230	5,000	
CAMÍ-8	60	3	RECTA	48,724	204,181		
CAMÍ-8	60				252,905		
EIX-AB-1	62	1	RECTA	144,424	0,000		
EIX-AB-1	62				144,424		
CAMÍ 11a	63	1	RECTA	124,664	0,000		
CAMÍ 11a	63				124,664		
CAMÍ 11b	64	1	RECTA	48,247	0,000		



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CAMÍ 11b	64	2	CIRC.	61,538	48,247	-95,000	
CAMÍ 11b	64	3	RECTA	45,288	109,784		
CAMÍ 11b	64	4	CIRC.	55,800	155,072	85,000	
CAMÍ 11b	64	5	RECTA	15,227	210,872		
CAMÍ 11b	64				226,099		
EIX-8a	65	1	RECTA	350,699	0,000		
EIX-8a	65	2	CIRC.	286,906	350,699	918,500	
EIX-8a	65				637,605		
EIX-8b	66	1	RECTA	506,707	0,000		
EIX-8b	66	2	CIRC.	166,031	506,707	833,500	
EIX-8b	66	3	RECTA	59,734	672,737		
EIX-8b	66				732,472		
EIX-H	70	1	RECTA	126,656	0,000		
EIX-H	70	2	CIRC.	32,947	126,656	-198,000	
EIX-H	70	3	CIRC.	14,209	159,603	-500,000	
EIX-H	70	4	RECTA	84,686	173,813		
EIX-H	70				258,498		
EIX J23	71	1	CIRC.	15,809	0,000	500,000	
EIX J23	71	2	CIRC.	15,795	15,809	-500,000	
EIX J23	71	3	RECTA	223,649	31,604		
EIX J23	71	4	CIRC.	5,925	255,253	-16,000	
EIX J23	71	5	RECTA	31,959	261,178		
EIX J23	71	6	CIRC.	4,059	293,137	28,100	
EIX J23	71	7	CIRC.	37,721	297,196	470,100	
EIX J23	71	8	RECTA	5,534	334,917		
EIX J23	71	9	CIRC.	3,870	340,451	10,000	
EIX J23	71				344,321		
EIX K1	72	1	CIRC.	30,019	0,000	21,000	
EIX K1	72	2	RECTA	60,536	30,019		
EIX K1	72	3	CIRC.	29,944	90,555	21,000	
EIX K1	72	4	RECTA	268,241	120,499		
EIX K1	72	5	CIRC.	39,163	388,740	26,000	
EIX K1	72	6	RECTA	39,206	427,903		
EIX K1	72	7	CIRC.	7,862	467,109	21,000	
EIX K1	72	8	RECTA	101,325	474,971		
EIX K1	72	9	CIRC.	33,162	576,296	21,000	
EIX K1	72	10	RECTA	164,852	609,457		
EIX K1	72				774,310		
EIX K2	73	1	RECTA	158,829	0,000		
EIX K2	73	2	CIRC.	39,175	158,829	-45,000	

EIX K2	73				198,004		
EIX K3	74	1	RECTA	59,319	0,000		
EIX K3	74	2	RECTA	76,341	59,319	a= 4°20'41"	
EIX K3	74	3	CIRC.	15,549	135,659	10,000	
EIX K3	74	4	RECTA	35,039	151,208		
EIX K3	74				186,248		
camí-10	75	1	RECTA	89,992	0,000		
camí-10	75	2	CIRC.	33,096	89,992	45,000	
camí-10	75	3	RECTA	39,713	123,087		
camí-10	75	4	CIRC.	16,014	162,800	45,000	
camí-10	75	5	RECTA	82,997	178,814		
camí-10	75	6	CIRC.	82,588	261,811	-150,000	
camí-10	75	7	RECTA	28,913	344,399		
camí-10	75	8	CIRC.	52,546	373,311	-33,000	
camí-10	75	9	RECTA	68,636	425,857		
camí-10	75				494,493		
CAMÍ-9	76	1	RECTA	20,753	0,000		
CAMÍ-9	76	2	CIRC.	5,808	20,753	5,000	
CAMÍ-9	76	3	RECTA	160,864	26,562		
CAMÍ-9	76	4	CIRC.	1,045	187,426	5,000	
CAMÍ-9	76	5	RECTA	40,168	188,471		
CAMÍ-9	76	6	RECTA	15,043	228,639	a= 10°07'36"	
CAMÍ-9	76	7	RECTA	123,025	243,682	a= 7°12'28"	
CAMÍ-9	76	8	RECTA	114,947	366,708	a= 4°53'36"	
CAMÍ-9	76	9	RECTA	54,383	481,655	a= 3°08'37"	
CAMÍ-9	76	10	RECTA	109,580	536,038	a= 5°56'50"	
CAMÍ-9	76	11	CIRC.	7,657	645,618	5,000	
CAMÍ-9	76	12	RECTA	120,242	653,275		
CAMÍ-9	76				773,517		
CAMÍ-L1	77	1	RECTA	20,979	0,000		
CAMÍ-L1	77	2	CIRC.	229,879	20,979	727,300	
CAMÍ-L1	77	3	RECTA	21,255	250,858		
CAMÍ-L1	77	4	CIRC.	6,384	272,113	5,000	
CAMÍ-L1	77	5	RECTA	18,607	278,497		
CAMÍ-L1	77	6	CIRC.	7,832	297,104	-5,000	
CAMÍ-L1	77	7	RECTA	80,612	304,936		



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CAMÍ-L1	77	8	CIRC.	13,396	385,547	50,000	
CAMÍ-L1	77	9	RECTA	18,509	398,944		
CAMÍ-L1	77	10	CIRC.	72,369	417,453	-169,000	
CAMÍ-L1	77	11	RECTA	268,045	489,822		
CAMÍ-L1	77	12	CIRC.	69,749	757,867	-135,000	
CAMÍ-L1	77	13	RECTA	155,568	827,616		
CAMÍ-L1	77	14	CIRC.	68,346	983,184	125,000	
CAMÍ-L1	77	15	RECTA	93,996	1.051,530		
CAMÍ-L1	77				1.145,527		
CAMÍ-L2	78	1	RECTA	197,464	0,000		
CAMÍ-L2	78	2	CIRC.	37,779	197,464	21,500	
CAMÍ-L2	78	3	RECTA	76,019	235,243		
CAMÍ-L2	78	4	CIRC.	28,636	311,262	-18,500	
CAMÍ-L2	78	5	RECTA	105,740	339,897		
CAMÍ-L2	78				445,637		
CAMÍ-L3	79	1	RECTA	85,670	0,000		
CAMÍ-L3	79	2	CIRC.	27,781	85,670	48,500	
CAMÍ-L3	79	3	RECTA	159,729	113,451		
CAMÍ-L3	79	4	CIRC.	5,673	273,179	5,000	
CAMÍ-L3	79	5	RECTA	57,382	278,852		
CAMÍ-L3	79				336,234		
EIX-7A	80	1	RECTA	55,728			
EIX-7a	80				55,728		
EIX-G0	81	1	RECTA	62,177			
EIX-G0	81				62,177		
EIX-Gc	82	1	RECTA	65,122			
EIX-Gc	82				65,122		

**Taula 2.** Característiques del traçat en planta del projecte

Traçat en alçat.

El traçat en alçat es projecta mitjançant de trams successius d'inclinació constant, units mitjançant corbes de transició de pendent variable (en la instrucció de carreteres són paràboles).

En funció de la velocitat de projecte es determinen les inclinacions màximes de les rasants i la longitud mínima de l'acord vertical.

El traçat en alçat es determina a partir de la posició respecte de l'eix en planta (o punt kilomètric) dels vèrtex entre les rampes, la seva cota, i el pendent, i el paràmetre de l'acord (Kv).

Els paràmetres de disseny d'una carretera, depenen del tipus de via que es tracti (i per tant de la velocitat de projecte) i de l'entorn pel qual discorri (terreny pla, ondulat, accidentat o molt accidentat).

Fixats els paràmetres del projecte, el traçat òptim és el que millor s'ajusta al terreny salvant els condicionants físics del traçat. En aquest sentit, limiten molt el traçat els següents factors:

- Previsió de pas de la sortida del túnel d'Horta. Obliga a mantenir els nivells dels eixos 7 i 8 a una cota que el faci viable en un futur. Per la qual cosa aquests vials discorren de 4 a 9 metres per sobre el terreny natural.
- Pas per sobre els torrents. Queda fixat per la possibilitat de pas dels cabals a desguassar i per la possibilitat de connectar amb altres punts de pas obligats amb un pendent raonable.
- Rambla del Castell. Es mantenen els nivells de les rasants existents per tal de permetre el manteniment dels exemplars de plataners que actualment s'hi troben.
- Perímetre amb la infraestructura de RENFE al llarg de l'eix-A3
- Previsió de pas del tramvia al llarg de l'eix A3.

La normativa 3.1-IC limita tant els pendents màxims i mínims, com la longitud i característiques dels acords verticals.

Així, limita el pendent mínim excepcional al 0,2%, sempre i quant hi hagi un pendent màxim combinat transversal i longitudinal del 0,5%. En qualsevol cas, el projecte no preveu en cap vial, trams amb pendents inferiors al 0,5%.

Pel que respecta al pendent màxim admès per la norma entre el 6 i el 8% depenent de la categoria del vial. En general en l'àmbit de projecte, s'ha usa com a criteri limitador el pendent del 8%, tot i que en els vials principals s'ha tractat de no depassar el 6%. Aquesta limitació és especialment estricta en l'eix-A3, en previsió de pas del tramvia es limita el pendent al 6%.

Pel que respecta a l'acord vertical, es limita els valors mínims dels paràmetres per qüestions de visibilitat.

Vp	Kv convex	Kv cóncav
60	1085	1374
40	303	568

**Taula 3.** Paràmetres mínims dels acords verticals per qüestions de visibilitat

On Vp és la velocitat de projecte. Aquesta és la que permet definir els paràmetres d'una carretera en un tram determinat, en condicions de comoditat i seguretat.

Així mateix, també es restringeix la seva longitud per consideracions estètiques. La norma defineix que el valor absolut de la longitud de l'acord a de ser major al de la velocitat de projecte.

El criteri usat en projecte ha estat el següent:

- Eixos principals: acord mínim per sobre els 40 m. La longitud i el paràmetre de la paràbola s'ha tractat d'optimitzar tenint en compte la repercussió en el moviment de terres. En alguns





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eixos principals aquesta longitud mínima no s'ha respectat, bàsicament coincidint amb l'inici o final d'eix i amb l'entroncament amb d'altres carrers.

- En vials de prioritat invertida s'ha mantingut una longitud d'acord superior a 30 m. En els inicis i finals d'eix no apareixen acords verticals per tal de realitzar un entroncament amb el pendent transversal de la vorera. El criteri emprat en els acords intermedis ha estat per adaptació del terreny.
- En els camins igualment només apareixen acords verticals intermedis, que també segueixen el criteri de millor adaptació al terreny.

### Peralt

El peralt és el pendent transversal que cal donar a la via per tal de compensar l'acceleració centrífuga no compensada pel fregament transversal. El peralt es defineix en funció de la velocitat de projecte d'un tram.

Tanmateix la recta es dota de pendent transversal als vials per tal de facilitar la ràpida evacuació de les aigües que hi poden arribar. El pendent recomanable és del 2%, tot i que si les condicions de drenatge són les adequades, o els condicionants físics així ho exigeixen, aquest es podria arribar a reduir.

En les carreteres interurbanes els escorrentius aquestes surten de les calçades de la carretera cap les cunetes, altres elements de captació o lliurement cap els marges. En el cas de les vies urbanes, les aigües es porten fora la calçada, contra les vorades que delimiten la zona de trànsit de vehicles de les voreres. Per tal de facilitar-ne l'acumulació i evacuació, paral·lela a la vorada acostuma a aparèixer una línia a nivell de la calçada amb major pendent transversal que aquesta, de menys de 40 cm d'amplada anomenada rigola. Per ella les aigües de pluja recollides es condueixen als embornals. En el cas de seccions de plataforma única on conviuen al mateix nivell els vehicles i els vianants, cal projectar en la secció almenys un punt baix lluny de la façana dels edificis que permeti la recollida i conducció de les aigües cap els embornals.

El pendent transversal dels vials es fa variar i s'adapta en els creuaments amb els carrers transversals per tal de tenir continuïtat amb el longitudinal d'aquests.

El pendent transversal de les voreres queda limitat per la Orden VIV/561/2010 al 2%, tot i que en voreres es pot usar igualment fins l'1,5%.

Els vials convencionals s'han previst amb bombeig al mig de la calçada, mentre que els vials de prioritat invertida s'han previst amb forma de V. Finalment, els camis s'han projectat amb un sol pendent transversal cap la zona verda.

### Secció transversal

El dimensionament de la secció transversal de la calçada d'una via cal interpretar-lo a dos nivells.

Per un costat, cal parlar de la capacitat de la via. El disseny viari ha de ser capaç d'absorbir tot el trànsit que hi circula sense causar pèrdua del nivell de servei. Per les vies interurbanes, la capacitat és funció, entre d'altres, del nombre de carrils i de l'amplada d'aquests. En un entorn urbà, la capacitat i el nivell de servei queda determinat, a més, per la presència de les interseccions amb altres carrers.

Per una altra costat el disseny de la secció transversal ha de garantir que el trànsit es produeix en condicions suficients de seguretat. En vies urbanes, per velocitats per sota els 50 Km/h, són admissibles carrils de fins a 3,00 m.

Per un altre costat, cal tenir present que l'amplada de les voreres queda limitada per la Orden VIV/561/2010, que preveu que aquestes disposin d'un espai lliure d'obstacles mínim de 1,80 m.

S'han previst els talussos de desmunt i terraplè amb la relació 3H:1V, que és el que s'ha vingut utilitzant en els vials ja executats del pla parcial.

En la següent taula es resumeix les característiques de les seccions tipus considerades:



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***LLISTATS D'ALINEACIONS EN PLANTA***

\*\*\* LISTADO DE LAS ALINEACIONES PLANTA \*\*\*

EJE	DATO	TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1	1	RECTA	69,769	0,000	424.476,309	4.593.802,069			181,8367	0,2814536	-0,9595749
1	2	CIRC.	88,632	69,769	424.495,946	4.593.735,120	300,000		181,8367	424.208,074	4.593.650,684
1	3	RECTA	20,733	158,401	424.508,058	4.593.647,645			200,6449	-0,0101302	-0,9999487
1				179,133	424.507,848	4.593.626,914			200,6449		
2	1	RECTA	0,112	0,000	424.518,144	4.593.530,169			185,8633	0,2202379	-0,9754462
2	2	CIRC.	7,614	0,112	424.518,169	4.593.530,060	-45,000		185,8633	424.562,064	4.593.539,970
2	3	CIRC.	248,671	7,725	424.520,464	4.593.522,810	740,000		175,0923	423.836,383	4.593.240,616
2	4	RECTA	20,000	256,397	424.575,256	4.593.281,448			196,4854	0,0551790	-0,9984765
2				276,397	424.576,360	4.593.261,479			196,4854		
3	1	RECTA	335,150	0,000	425.168,514	4.593.679,404			163,8095	0,5383508	-0,8427208
3	2	CIRC.	48,695	335,150	425.348,942	4.593.396,966	-90,000		163,8095	425.424,787	4.593.445,418
3	3	RECTA	147,396	383,845	425.384,730	4.593.364,823			129,3651	0,8954900	-0,4450816
3	4	CIRC.	110,073	531,241	425.516,722	4.593.299,220	70,000		129,3651	425.485,566	4.593.236,536
3	5	RECTA	269,995	641,315	425.548,198	4.593.205,275			229,4720	-0,4465852	-0,8947411
3				911,310	425.427,622	4.592.963,699			229,4720		
6	1	RECTA	520,324	0,000	425.918,566	4.593.592,103			159,0839	0,5993653	-0,8004756
6				520,324	426.230,430	4.593.175,596			159,0839		
7	1	RECTA	577,795	0,000	426.110,078	4.593.600,297			168,3760	0,4765699	-0,8791366
7				577,795	426.385,438	4.593.092,335			168,3760		
8	1	RECTA	84,996	0,000	426.266,727	4.593.478,069			168,3796	0,4765202	-0,8791635
8	2	CIRC.	51,352	84,996	426.307,230	4.593.403,344	-78,500		168,3796	426.376,244	4.593.440,751
8	3	RECTA	311,477	136,348	426.344,239	4.593.369,071			126,7341	0,9131141	-0,4077041
8	4	CIRC.	46,470	447,825	426.628,653	4.593.242,081	56,000		126,7341	426.605,822	4.593.190,946
8	5	RECTA	90,012	494,295	426.658,961	4.593.208,617			179,5622	0,3155495	-0,9489091
8				584,308	426.687,364	4.593.123,204			179,5622		
9	1	RECTA	96,151	0,000	425.974,592	4.594.000,088			140,2661	0,8065529	-0,5911619
9	2	CIRC.	66,024	96,151	426.052,143	4.593.943,248	-220,000		140,2661	426.182,199	4.594.120,689
9	3	RECTA	327,435	162,175	426.110,412	4.593.912,731			121,1605	0,9452657	-0,3263017
9				489,610	426.419,925	4.593.805,888			121,1605		
10	1	RECTA	321,415	0,000	426.372,008	4.594.259,133			143,8356	0,7721563	-0,6354327
10	2	CIRC.	49,233	321,415	426.620,190	4.594.054,895	121,500		143,8356	426.542,985	4.593.961,078
10	3	RECTA	128,205	370,648	426.650,922	4.594.016,863			169,6320	0,4591329	-0,8883676
10				498,853	426.709,785	4.593.902,970			169,6320		
11	1	RECTA	91,043	0,000	426.545,886	4.593.986,351			34,8780	0,5208630	0,8536403
11				91,043	426.593,306	4.594.064,068			34,8780		
13	1	RECTA	346,906	0,000	426.385,788	4.594.374,376			145,6434	0,7538040	-0,6570994
13	2	CIRC.	328,833	346,906	426.647,287	4.594.146,424	900,000		145,6434	426.055,898	4.593.468,000
13		CLOT.	99,334	675,740	426.850,648	4.593.890,341		299,000	168,9036	426.893,998	4.593.800,980
13	3	RECTA	595,886	775,074	426.893,998	4.593.800,980			172,4168	0,4198462	-0,9075952
13	4	CIRC.	162,345	1.370,960	427.144,179	4.593.260,157	815,000		172,4168	426.404,489	4.592.917,983

13	5	RECTA	69,635	1.533,305	427.197,262	4.593.107,020		185,0981	0,2319472	-0,9727284
13				1.602,941	427.213,414	4.593.039,283		185,0981		
14	1	RECTA	196,248	0,000	426.416,939	4.594.453,920		161,6854	0,5661639	-0,8242927
14				196,248	426.528,048	4.594.292,154		161,6854		
15	1	RECTA	23,164	0,000	423.523,032	4.593.265,940		109,0856	0,9898333	-0,1422321
15	2	CIRC.	302,819	23,164	423.545,960	4.593.262,645	-450,000	109,0856	423.609,965	4.593.708,070
15	3	RECTA	404,121	325,983	423.837,539	4.593.319,856		66,2454	0,8626979	0,5057196
15	4	CIRC.	216,139	730,104	424.186,173	4.593.524,228	400,000	66,2454	424.388,461	4.593.179,149
15	5	RECTA	65,847	946,243	424.392,513	4.593.579,128		100,6449	0,9999487	-0,0101302
15				1.012,090	424.458,356	4.593.578,461		100,6449		
16	1	RECTA	287,445	0,000	424.555,606	4.593.586,476		100,6449	0,9999487	-0,0101302
16	2	CIRC.	312,445	287,445	424.843,036	4.593.583,564	-491,000	100,6449	424.848,010	4.594.074,539
16	3	RECTA	112,469	599,890	425.135,776	4.593.676,705		60,1340	0,8102527	0,5860806
16	4	CIRC.	162,600	712,358	425.226,904	4.593.742,621	309,000	60,1340	425.408,003	4.593.492,253
16	5	CIRC.	194,637	874,958	425.377,154	4.593.799,709	-1.991,000	93,6338	425.178,385	4.595.780,762
16	6	RECTA	58,506	1.069,594	425.569,561	4.593.828,568		87,4103	0,9805094	0,1964721
16				1.128,100	425.626,926	4.593.840,063		87,4103		
17	1	RECTA	287,455	0,000	424.555,424	4.593.569,477		100,6449	0,9999487	-0,0101300
17	2	CIRC.	323,262	287,455	424.842,864	4.593.566,565	-508,000	100,6449	424.848,010	4.594.074,539
17	3	RECTA	112,469	610,717	425.145,739	4.593.662,931		60,1340	0,8102528	0,5860805
17	4	CIRC.	153,654	723,186	425.236,867	4.593.728,846	292,000	60,1340	425.408,003	4.593.492,253
17	5	CIRC.	196,298	876,840	425.378,851	4.593.782,794	-2.008,000	93,6338	425.178,385	4.595.780,762
17	6	RECTA	58,290	1.073,139	425.572,901	4.593.811,899		87,4103	0,9805094	0,1964721
17				1.131,428	425.630,055	4.593.823,352		87,4103		
18	1	RECTA	99,065	0,000	424.779,776	4.593.567,204		184,8169	0,2362410	-0,9716945
18	2	CIRC.	15,708	99,065	424.803,180	4.593.470,943	-10,000	184,8169	424.812,897	4.593.473,305
18	3	RECTA	226,792	114,773	424.815,259	4.593.463,588		84,8169	0,9716945	0,2362410
18	4	CIRC.	15,708	341,566	425.035,632	4.593.517,166	-10,000	84,8169	425.033,270	4.593.526,883
18	5	RECTA	71,556	357,274	425.042,987	4.593.529,245		384,8169	-0,2362410	0,9716945
18				428,830	425.026,082	4.593.598,776		384,8169		
19	1	RECTA	42,320	0,000	425.725,066	4.593.847,185		89,6563	0,9868293	0,1617648
19	2	CIRC.	165,828	42,320	425.766,829	4.593.854,031	-251,500	89,6563	425.726,145	4.594.102,219
19	3	RECTA	599,962	208,148	425.910,343	4.593.930,978		47,6803	0,6808783	0,7323966
19				808,110	426.318,844	4.594.370,388		47,6803		
20	1	RECTA	257,110	0,000	426.384,026	4.594.438,054		42,5490	0,6196986	0,7848399
20				257,110	426.543,357	4.594.639,845		42,5490		
21	1	RECTA	334,164	0,000	425.706,110	4.593.605,282		103,9440	0,9980815	-0,0619133
21	2	CIRC.	169,047	334,164	426.039,633	4.593.584,593	-130,000	103,9440	426.047,682	4.593.714,344
21	3	RECTA	306,557	503,211	426.170,567	4.593.671,924		21,1605	0,3263017	0,9452657
21	4	CIRC.	78,883	809,768	426.270,597	4.593.961,703	150,000	21,1605	426.412,387	4.593.912,757
21	5	RECTA	414,239	888,651	426.314,325	4.594.026,265		54,6394	0,7567153	0,6537445
21				1.302,891	426.627,786	4.594.297,071		54,6394		

22	1	RECTA	188,805	0,000	425.892,579	4.593.375,947		93,7815	0,9952332	0,0975241
22	2	CIRC.	365,033	188,805	426.080,485	4.593.394,360	-320,000	93,7815	426.049,277	4.593.712,835
22	3	RECTA	285,922	553,838	426.351,762	4.593.608,418		21,1605	0,3263017	0,9452657
22	4	CIRC.	124,588	839,760	426.445,059	4.593.878,690	150,000	21,1605	426.586,849	4.593.829,745
22	5	RECTA	249,856	964,348	426.527,357	4.593.967,443		74,0373	0,9179869	0,3966108
22	6	CIRC.	51,799	1.214,204	426.756,722	4.594.066,538	150,000	74,0373	426.816,213	4.593.928,840
22	7	RECTA	98,358	1.266,003	426.806,845	4.594.078,547		96,0214	0,9980478	0,0624549
22	8	CIRC.	9,068	1.364,361	426.905,011	4.594.084,690	-25,000	96,0214	426.903,450	4.594.109,642
22	9	RECTA	2,971	1.373,430	426.913,763	4.594.086,868		72,9295	0,9109472	0,4125229
22				1.376,401	426.916,470	4.594.088,094		72,9295		
23	1	RECTA	198,367	0,000	426.926,114	4.593.731,556		79,6721	0,9494523	0,3139114
23				198,367	427.114,453	4.593.793,825		79,6721		
24	1	RECTA	430,415	0,000	426.099,030	4.593.104,196		68,3124	0,8786605	0,4774470
24				430,415	426.477,219	4.593.309,696		68,3124		
25	1	CIRC.	307,876	0,000	424.458,367	4.593.579,179	49,000	1,5785	424.507,352	4.593.577,965
25				307,876	424.458,367	4.593.579,179		1,5785		
26	1	CIRC.	295,310	0,000	426.318,845	4.594.370,389	47,000	346,7838	426.350,359	4.594.405,259
26				295,310	426.318,845	4.594.370,389		346,7838		
28	1	RECTA	99,698	0,000	426.222,936	4.593.577,282		141,9916	0,7902361	-0,6128025
28				99,698	426.301,721	4.593.516,186		141,9916		
29	1	RECTA	192,038	0,000	426.168,436	4.593.666,203		123,9958	0,9298007	-0,3680633
29				192,038	426.346,994	4.593.595,521		123,9958		
30	1	RECTA	192,000	0,000	426.201,153	4.593.760,530		121,1605	0,9452655	-0,3263022
30				192,000	426.382,644	4.593.697,880		121,1605		
31	1	RECTA	172,961	0,000	426.280,606	4.593.959,807		126,2478	0,9162016	-0,4007176
31				172,961	426.439,073	4.593.890,498		126,2478		
32	1	RECTA	74,806	0,000	426.547,111	4.593.975,977		141,1158	0,7985914	-0,6018735
32	2	CIRC.	59,808	74,806	426.606,851	4.593.930,953	-114,000	141,1158	426.675,464	4.594.021,993
32	3	RECTA	51,436	134,614	426.661,680	4.593.908,829		107,7165	0,9926629	-0,1209143
32	4	CIRC.	59,604	186,051	426.712,739	4.593.902,610	-114,000	107,7165	426.726,523	4.594.015,773
32	5	RECTA	59,452	245,655	426.771,088	4.593.910,845		74,4312	0,9204238	0,3909220
32				305,107	426.825,809	4.593.934,086		74,4312		
33	1	RECTA	65,451	0,000	426.004,245	4.593.494,360		99,0568	0,9998902	0,0148153
33	2	CIRC.	68,901	65,451	426.069,689	4.593.495,330	-184,860	99,0568	426.066,950	4.593.680,170
33				134,352	426.136,810	4.593.509,018		75,3289		
34	1	CIRC.	140,888	0,000	426.172,100	4.593.527,907	-222,000	62,6771	426.049,277	4.593.712,835
34	2	RECTA	202,789	140,888	426.257,826	4.593.636,733		21,1712	0,3264603	0,9452109
34				343,678	426.324,029	4.593.828,412		21,1712		
35	1	RECTA	105,297	0,000	426.282,409	4.593.621,086		21,1545	0,3262120	0,9452966

35				105,297	426.316,758	4.593.720,624		21,1545		
36	1	RECTA	79,301	0,000	426.330,555	4.593.847,317		21,1605	0,3263017	0,9452657
36				79,301	426.356,431	4.593.922,278		21,1605		
37	1	RECTA	60,111	0,000	426.600,717	4.594.083,871		34,8780	0,5208630	0,8536403
37				60,111	426.632,027	4.594.135,184		34,8780		
38	1	RECTA	80,857	0,000	426.658,447	4.594.178,484		34,8780	0,5208630	0,8536403
38				80,857	426.700,562	4.594.247,507		34,8780		
39	1	RECTA	86,450	0,000	426.839,031	4.594.090,614		394,7071	-0,0830455	0,9965458
39				86,450	426.831,852	4.594.176,765		394,7071		
40	1	RECTA	64,679	0,000	426.715,397	4.594.125,930		49,7395	0,7042069	0,7099948
40	2	RECTA	44,381	64,679	426.760,944	4.594.171,852	a= 16°05'54"	31,8524	0,4797208	0,8774212
40				109,060	426.782,235	4.594.210,793		31,8524		
41	1	RECTA	244,345	0,000	424.797,584	4.593.449,514		84,8169	0,9716945	0,2362410
41	2	CIRC.	31,982	244,345	425.035,012	4.593.507,239	-120,000	84,8169	425.006,663	4.593.623,842
41	3	RECTA	164,248	276,327	425.064,722	4.593.518,822		67,8498	0,8751675	0,4838200
41				440,575	425.208,466	4.593.598,288		67,8498		
42	1	RECTA	103,296	0,000	425.226,005	4.593.607,984		67,8498	0,8751675	0,4838200
42	2	CIRC.	31,059	103,296	425.316,406	4.593.657,961	-971,096	67,8498	424.846,571	4.594.507,833
42	3	RECTA	248,691	134,355	425.343,343	4.593.673,420		65,8137	0,8592486	0,5115583
42				383,046	425.557,030	4.593.800,640		65,8137		
43	1	RECTA	8,661	0,000	425.353,993	4.593.679,811		180,0732	0,3079226	-0,9514114
43	2	CIRC.	69,251	8,661	425.356,660	4.593.671,571	-177,782	180,0732	425.525,803	4.593.726,314
43	3	RECTA	96,521	77,913	425.390,119	4.593.611,439		155,2750	0,6461573	-0,7632042
43				174,434	425.452,487	4.593.537,774		155,2750		
44	1	RECTA	8,806	0,000	425.468,787	4.593.518,519		155,2795	0,6461033	-0,7632500
44	2	CIRC.	26,124	8,806	425.474,476	4.593.511,798	-68,000	155,2795	425.526,377	4.593.555,733
44	3	RECTA	136,737	34,930	425.494,726	4.593.495,548		130,8217	0,8850724	-0,4654535
44	4	CIRC.	4,491	171,667	425.615,748	4.593.431,903	14,033	130,8217	425.609,217	4.593.419,483
44	5	RECTA	133,060	176,158	425.619,324	4.593.429,217		151,1976	0,6936800	-0,7202833
44				309,219	425.711,626	4.593.333,376		151,1976		
45	1	RECTA	46,286	0,000	425.717,933	4.593.326,827		151,1974	0,6936828	-0,7202807
45	2	CIRC.	25,646	46,286	425.750,041	4.593.293,488	-68,500	151,1974	425.799,381	4.593.341,005
45	3	RECTA	146,402	71,932	425.770,836	4.593.278,736		127,3631	0,9090414	-0,4167059
45	4	CIRC.	31,118	218,334	425.903,922	4.593.217,729	40,000	127,3631	425.887,254	4.593.181,367
45	5	RECTA	136,261	249,452	425.924,647	4.593.195,572		176,8886	0,3551114	-0,9348240
45	6	CIRC.	23,024	385,713	425.973,035	4.593.068,192	-38,500	176,8886	426.009,025	4.593.081,864
45	7	RECTA	39,450	408,737	425.986,978	4.593.050,301		138,8167	0,8198018	-0,5726474
45				448,187	426.019,319	4.593.027,711		138,8167		
47	1	RECTA	184,681	0,000	426.150,920	4.593.898,746		21,1526	0,3261846	0,9453061
47	2	CIRC.	41,597	184,681	426.211,160	4.594.073,326	100,000	21,1526	426.305,690	4.594.040,708

47	3	RECTA	301,173	226,278	426.232,401	4.594.108,742		47,6338	0,6803431	0,7328938
47				527,451	426.437,302	4.594.329,470		47,6338		
49	1	RECTA	88,648	0,000	426.060,540	4.593.949,561		47,6839	0,6809196	0,7323581
49				88,648	426.120,902	4.594.014,483		47,6839		
51	1	CIRC.	82,826	0,000	427.204,916	4.592.969,090	34,500	313,6836	427.212,274	4.593.002,796
51	2	CIRC.	40,561	82,826	427.194,955	4.593.032,634	54,750	66,5196	427.222,440	4.592.985,283
51	3	CIRC.	82,826	123,387	427.234,117	4.593.038,773	34,500	113,6836	427.226,759	4.593.005,067
51	4	CIRC.	40,561	206,213	427.244,078	4.592.975,229	54,750	266,5196	427.216,593	4.593.022,580
51				246,774	427.204,916	4.592.969,090		313,6836		
54	1	RECTA	73,325	0,000	426.066,045	4.594.069,087		147,6803	0,7323966	-0,6808783
54	2	RECTA	58,752	73,325	426.119,748	4.594.019,162	a= 22°51'55"	122,2743	0,9394123	-0,3427892
54				132,076	426.174,940	4.593.999,023		122,2743		
55	1	RECTA	72,697	0,000	426.193,733	4.593.992,165		122,2743	0,9394123	-0,3427892
55				72,697	426.262,025	4.593.967,245		122,2743		
56	1	RECTA	110,302	0,000	426.318,452	4.594.186,716		143,8356	0,7721563	-0,6354327
56				110,302	426.403,623	4.594.116,626		143,8356		
57	1	RECTA	9,387	0,000	426.423,897	4.594.107,712		143,8356	0,7721563	-0,6354326
57	2	CIRC.	6,112	9,387	426.431,146	4.594.101,747	-15,000	143,8356	426.440,677	4.594.113,329
57	3	RECTA	34,111	15,499	426.436,516	4.594.098,918		117,8971	0,9607435	-0,2774380
57	4	CIRC.	2,583	49,610	426.469,288	4.594.089,454	-15,000	117,8971	426.473,450	4.594.103,865
57	5	RECTA	117,721	52,194	426.471,819	4.594.088,954		106,9330	0,9940760	-0,1086874
57				169,914	426.588,843	4.594.076,159		106,9330		
58	1	RECTA	134,040	0,000	427.036,209	4.593.493,560		79,7447	0,9498096	0,3128286
58	2	RECTA	48,325	134,040	427.163,521	4.593.535,491	a= 48°43'29"	25,6058	0,3914580	0,9201960
58				182,364	427.182,438	4.593.579,959		25,6058		
59	1	RECTA	43,236	0,000	427.148,216	4.593.251,292		83,8941	0,9681680	0,2503013
59	2	RECTA	130,890	43,236	427.190,075	4.593.262,114	a= 9°24'22"	73,4426	0,9142420	0,4051685
59				174,126	427.309,740	4.593.315,146		73,4426		
60	1	RECTA	198,230	0,000	426.996,929	4.593.743,910		171,4322	0,4338322	-0,9009937
60	2	CIRC.	5,951	198,230	427.082,927	4.593.565,306	5,000	171,4322	427.078,422	4.593.563,137
60	3	RECTA	48,724	204,181	427.082,109	4.593.559,760		247,2070	-0,6754138	-0,7374390
60				252,905	427.049,201	4.593.523,829		247,2070		
62	1	RECTA	144,424	0,000	426.475,771	4.594.368,265		47,6338	0,6803431	0,7328938
62				144,424	426.574,029	4.594.474,113		47,6338		
63	1	RECTA	124,664	0,000	426.230,443	4.594.106,571		130,2228	0,8894124	-0,4571056
63				124,664	426.341,320	4.594.049,586		130,2228		
64	1	RECTA	48,247	0,000	426.340,241	4.594.048,654		140,5614	0,8038025	-0,5948962
64	2	CIRC.	61,538	48,247	426.379,022	4.594.019,953	-95,000	140,5614	426.435,537	4.594.096,314
64	3	RECTA	45,288	109,784	426.436,547	4.594.001,319		99,3233	0,9999435	0,0106294



64	4	CIRC.	55,800	155,072	426.481,832	4.594.001,801	85,000	99,3233	426.482,736	4.593.916,805
64	5	RECTA	15,227	210,872	426.533,895	4.593.984,686		141,1158	0,7985914	-0,6018735
64				226,099	426.546,055	4.593.975,521		141,1158		
65	1	RECTA	350,699	0,000	426.395,084	4.594.390,814		145,6433	0,7538048	-0,6570984
65	2	CIRC.	286,906	350,699	426.659,443	4.594.160,370	918,500	145,6433	426.055,898	4.593.468,000
65				637,605	426.843,008	4.593.941,392		165,5290		
66	1	RECTA	506,707	0,000	426.948,230	4.593.727,809		172,4168	0,4198462	-0,9075952
66	2	CIRC.	166,031	506,707	427.160,969	4.593.267,925	833,500	172,4168	426.404,489	4.592.917,983
66	3	RECTA	59,734	672,737	427.215,258	4.593.111,311		185,0981	0,2319472	-0,9727284
66				732,472	427.229,113	4.593.053,206		185,0981		
70	1	RECTA	126,656	0,000	425.466,398	4.592.738,225		83,0579	0,9647972	0,2629950
70	2	CIRC.	32,947	126,656	425.588,596	4.592.771,535	-198,000	83,0579	425.536,523	4.592.962,565
70	3	CIRC.	14,209	159,603	425.619,517	4.592.782,799	-500,000	72,4647	425.409,935	4.593.236,754
70	4	RECTA	84,686	173,813	425.632,332	4.592.788,937		70,6555	0,8956336	0,4447926
70				258,498	425.708,179	4.592.826,605		70,6555		
71	1	CIRC.	15,809	0,000	425.708,179	4.592.826,605	500,000	70,6529	425.930,593	4.592.378,797
71	2	CIRC.	15,795	15,809	425.722,447	4.592.833,412	-500,000	72,6658	425.514,300	4.593.288,027
71	3	RECTA	223,649	31,604	425.736,702	4.592.840,213		70,6546	0,8956276	0,4448046
71	4	CIRC.	5,925	255,253	425.937,008	4.592.939,693	-16,000	70,6546	425.929,891	4.592.954,023
71	5	RECTA	31,959	261,178	425.941,712	4.592.943,240		47,0794	0,6739342	0,7387913
71	6	CIRC.	4,059	293,137	425.963,250	4.592.966,852	28,100	60,2587	425.979,674	4.592.944,051
71	7	CIRC.	37,721	297,196	425.966,703	4.592.968,978	470,100	69,4550	426.183,702	4.592.551,958
71	8	RECTA	5,534	334,917	426.000,827	4.592.985,030		53,2082	0,7418277	0,6705906
71	9	CIRC.	3,870	340,451	426.004,932	4.592.988,741	10,000	53,2082	426.011,638	4.592.981,323
71				344,321	426.008,228	4.592.990,723		77,8449		
72	1	CIRC.	30,019	0,000	425.708,179	4.592.826,605	21,000	70,6561	425.717,520	4.592.807,797
72	2	RECTA	60,536	30,019	425.734,825	4.592.819,693		161,6608	0,5664825	-0,8240738
72	3	CIRC.	29,944	90,555	425.769,118	4.592.769,807	21,000	161,6608	425.751,812	4.592.757,910
72	4	RECTA	268,241	120,499	425.766,082	4.592.742,504		252,4368	-0,7336482	-0,6795295
72	5	CIRC.	39,163	388,740	425.569,288	4.592.560,226	26,000	252,4368	425.551,620	4.592.579,301
72	6	RECTA	39,206	427,903	425.533,724	4.592.560,440		348,3289	-0,7254223	0,6883040
72	7	CIRC.	7,862	467,109	425.505,283	4.592.587,426	21,000	348,3289	425.519,738	4.592.602,660
72	8	RECTA	101,325	474,971	425.500,714	4.592.593,767		372,1620	-0,4234748	0,9059079
72	9	CIRC.	33,162	576,296	425.457,805	4.592.685,558	21,000	372,1620	425.476,829	4.592.694,451
72	10	RECTA	164,852	609,457	425.468,095	4.592.713,548		72,6926	0,9094058	0,4159101
72				774,310	425.618,013	4.592.782,112		72,6926		
73	1	RECTA	158,829	0,000	425.870,323	4.592.906,576		150,5124	0,7013924	-0,7127754
73	2	CIRC.	39,175	158,829	425.981,724	4.592.793,366	-45,000	150,5124	426.013,799	4.592.824,929
73				198,004	426.017,266	4.592.780,063		95,0909		
74	1	RECTA	59,319	0,000	426.184,576	4.592.746,323		43,1100	0,6265901	0,7793490
74	2	RECTA	76,341	59,319	426.221,745	4.592.792,553	a= 4°20'41"	38,2825	0,5657474	0,8245786
74	3	CIRC.	15,549	135,659	426.264,934	4.592.855,502	10,000	38,2825	426.273,180	4.592.849,845
74	4	RECTA	35,039	151,208	426.278,706	4.592.858,179		137,2719	0,8334548	-0,5525876
74				186,248	426.307,909	4.592.838,817		137,2719		

75	1	RECTA	89,992	0,000	426.271,721	4.592.864,002		37,2719	0,5525876	0,8334548
75	2	CIRC.	33,096	89,992	426.321,450	4.592.939,005	45,000	37,2719	426.358,955	4.592.914,139
75	3	RECTA	39,713	123,087	426.347,828	4.592.957,742		84,0931	0,9689458	0,2472733
75	4	CIRC.	16,014	162,800	426.386,307	4.592.967,562	45,000	84,0931	426.397,435	4.592.923,959
75	5	RECTA	82,997	178,814	426.402,196	4.592.968,706		106,7479	0,9943877	-0,1057973
75	6	CIRC.	82,588	261,811	426.484,726	4.592.959,926	-150,000	106,7479	426.500,596	4.593.109,084
75	7	RECTA	28,913	344,399	426.565,109	4.592.973,666		71,6964	0,9027860	0,4300899
75	8	CIRC.	52,546	373,311	426.591,211	4.592.986,101	-33,000	71,6964	426.577,018	4.593.015,893
75	9	RECTA	68,636	425,857	426.606,498	4.593.030,723		370,3270	-0,4494075	0,8933269
75				494,493	426.575,653	4.593.092,037		370,3270		
76	1	RECTA	20,753	0,000	427.086,646	4.593.442,882		79,7447	0,9498096	0,3128286
76	2	CIRC.	5,808	20,753	427.106,358	4.593.449,375	5,000	79,7447	427.107,922	4.593.444,626
76	3	RECTA	160,864	26,562	427.111,657	4.593.447,950		153,6962	0,6648836	-0,7469470
76	4	CIRC.	1,045	187,426	427.218,613	4.593.327,793	5,000	153,6962	427.214,878	4.593.324,468
76	5	RECTA	40,168	188,471	427.219,222	4.593.326,946		167,0028	0,4954209	-0,8686531
76	6	RECTA	15,043	228,639	427.239,122	4.593.292,053	a= 10°07'36"	178,2547	0,3349707	-0,9422286
76	7	RECTA	123,025	243,682	427.244,161	4.593.277,880	a= 7°12'28"	186,2636	0,2141011	-0,9768115
76	8	RECTA	114,947	366,708	427.270,501	4.593.157,707	a= 4°53'36"	180,8263	0,2966470	-0,9549872
76	9	RECTA	54,383	481,655	427.304,599	4.593.047,934	a= 3°08'37"	184,3194	0,2438273	-0,9698187
76	10	RECTA	109,580	536,038	427.317,859	4.592.995,192	a= 5°56'50"	177,7111	0,3430041	-0,9393339
76	11	CIRC.	7,657	645,618	427.355,446	4.592.892,260	5,000	177,7111	427.350,749	4.592.890,545
76	12	RECTA	120,242	653,275	427.352,648	4.592.885,919		275,2060	-0,9251127	-0,3796925
76				773,517	427.241,410	4.592.840,264		275,2060		
77	1	RECTA	20,979	0,000	424.506,517	4.593.524,035		176,3637	0,3628074	-0,9318641
77	2	CIRC.	229,879	20,979	424.514,128	4.593.504,486	727,300	176,3637	423.836,384	4.593.240,616
77	3	RECTA	21,255	250,858	424.562,576	4.593.280,748		196,4854	0,0551790	-0,9984765
77	4	CIRC.	6,384	272,113	424.563,748	4.593.259,525	5,000	196,4854	424.558,756	4.593.259,249
77	5	RECTA	18,607	278,497	424.560,467	4.593.254,551		277,7681	-0,9396405	-0,3421634
77	6	CIRC.	7,832	297,104	424.542,983	4.593.248,184	-5,000	277,7681	424.544,693	4.593.243,486
77	7	RECTA	80,612	304,936	424.539,987	4.593.241,796		178,0537	0,3379449	-0,9411659
77	8	CIRC.	13,396	385,547	424.567,230	4.593.165,927	50,000	178,0537	424.520,172	4.593.149,030
77	9	RECTA	18,509	398,944	424.570,024	4.593.152,867		195,1103	0,0767323	-0,9970517
77	10	CIRC.	72,369	417,453	424.571,444	4.593.134,412	-169,000	195,1103	424.739,946	4.593.147,380
77	11	RECTA	268,045	489,822	424.592,044	4.593.065,612		167,8489	0,4838315	-0,8751612
77	12	CIRC.	69,749	757,867	424.721,732	4.592.831,030	-135,000	167,8489	424.839,879	4.592.896,347
77	13	RECTA	155,568	827,616	424.769,419	4.592.781,193		134,9572	0,8529909	-0,5219258
77	14	CIRC.	68,346	983,184	424.902,117	4.592.699,998	125,000	134,9572	424.836,876	4.592.593,374
77	15	RECTA	93,996	1.051,530	424.948,043	4.592.650,533		169,7657	0,4572665	-0,8893297
77				1.145,527	424.991,024	4.592.566,939		169,7657		
78	1	RECTA	197,464	0,000	424.864,543	4.592.749,036		24,9459	0,3818984	0,9242043
78	2	CIRC.	37,779	197,464	424.939,954	4.592.931,533	21,500	24,9459	424.959,824	4.592.923,323
78	3	RECTA	76,019	235,243	424.971,575	4.592.941,328		136,8102	0,8374408	-0,5465281
78	4	CIRC.	28,636	311,262	425.035,236	4.592.899,781	-18,500	136,8102	425.045,347	4.592.915,274
78	5	RECTA	105,740	339,897	425.060,604	4.592.904,811		38,2696	0,5655813	0,8246926
78				445,637	425.120,408	4.592.992,013		38,2696		
79	1	RECTA	85,670	0,000	424.515,067	4.593.506,211		76,1219	0,9304799	0,3663430

79	2	CIRC.	27,781	85,670	424.594,781	4.593.537,596	48,500	76,1219	424.612,549	4.593.492,468
79	3	RECTA	159,729	113,451	424.622,076	4.593.540,023		112,5873	0,9805169	-0,1964345
79	4	CIRC.	5,673	273,179	424.778,692	4.593.508,646	5,000	112,5873	424.777,710	4.593.503,744
79	5	RECTA	57,382	278,852	424.782,569	4.593.504,925		184,8169	0,2362410	-0,9716945
79				336,234	424.796,125	4.593.449,167		184,8169		
80	1	RECTA	55,728	0,000	426.275,663	4.594.475,607		145,2566	0,7577817	-0,6525081
80				55,728	426.317,893	4.594.439,244		145,2566		
81	1	RECTA	62,177	0,000	427.127,140	4.593.341,055		72,4168	0,9075952	0,4198463
81				62,177	427.183,571	4.593.367,159		72,4168		
82	1	RECTA	65,122	0,000	427.207,850	4.593.140,092		81,8932	0,9598244	0,2806014
82				65,122	427.270,356	4.593.158,365		81,8932		



PROJECTE D'OBRES BÀSIQUES D'URBANITZACIÓ DEL SECTOR PARC DE L'ALBA DE CERDANYOLA DEL VALLÈS.

## LISTADO DE ALINEACIONES EN ALZADO

EJE	Calzada/Vía	PENDIENTE (%) / (o/oo)	LONGITUD (m.)	PARAMETRO ( kv ) / (Radio)	VÉRTICE		ENTRADA AL ACUERDO		SALIDA DEL ACUERDO		BISECT. (m.)	DIF.PEN (%) / (o/oo)
					PK	Z	PK	Z	PK	Z		
1	Única						0,000	155,580				
1	Única	-0,700000	66,000	2.000,000	138,858	154,608	105,858	154,839	171,858	153,288	0,272	-3,300
1	Única	-4,000000							179,133	152,997		
2	Única						0,000	149,988				
2	Única	-4,000000	37,500	1.500,000	20,479	149,169	1,729	149,919	39,229	147,950	0,117	-2,500
2	Única	-6,500000	70,000	2.000,000	196,835	137,706	161,835	139,981	231,835	136,656	0,306	3,500
2	Única	-3,000000							276,397	135,319		
3	Única						0,000	146,501				
3	Única	-1,774470	37,353	600,000	19,274	146,158	0,598	146,490	37,951	144,664	0,291	-6,226
3	Única	-8,000000	48,000	800,000	179,862	133,311	155,862	135,231	203,862	132,831	0,360	6,000
3	Única	-2,000000	40,500	1.800,000	302,241	130,864	281,991	131,269	322,491	130,003	0,114	-2,250
3	Única	-4,250000	87,500	5.000,000	495,550	122,648	451,800	124,508	539,300	120,023	0,191	-1,750
3	Única	-6,000000	82,500	1.500,000	674,377	111,919	633,127	114,394	715,627	111,712	0,567	5,500
3	Única	-0,500000							911,310	110,734		
6	Única						0,000	123,511				
6	Única	-2,000000	20,006	934,000	20,314	123,105	10,311	123,305	30,317	122,690	0,054	-2,142
6	Única	-4,142000	24,012	1.121,000	225,310	114,614	213,304	115,111	237,316	114,374	0,064	2,142
6	Única	-2,000000	49,997	2.123,000	285,767	113,405	260,769	113,905	310,765	112,316	0,147	-2,355
6	Única	-4,355000	49,997	2.123,000	485,919	104,688	460,921	105,777	510,917	104,188	0,147	2,355
6	Única	-2,000000							520,321	104,000		
7	Derecha						0,000	127,387				
7	Derecha	-3,000000	27,501	1.000,000	23,641	126,678	9,891	127,090	37,392	125,887	0,095	-2,750
7	Derecha	-5,750067	26,030	1.156,000	172,192	118,136	159,177	118,884	185,207	117,681	0,073	2,252
7	Derecha	-3,498344	26,052	741,000	225,017	116,288	211,991	116,744	238,043	115,374	0,114	-3,516
7	Derecha	-7,014162	23,827	1.431,000	250,437	114,505	238,524	115,341	262,350	113,868	0,050	1,665
7	Derecha	-5,349108	17,191	1.000,000	320,000	110,784	311,404	111,244	328,596	110,472	0,037	1,719
7	Derecha	-3,629997	61,805	2.350,000	411,102	107,477	380,200	108,599	442,004	107,168	0,203	2,630
7	Derecha	-1,000000	17,221	2.400,000	451,102	107,077	442,492	107,163	459,712	106,929	0,015	-0,718
7	Derecha	-1,717538							577,795	104,901		
8	Única						0,000	119,272				
8	Única	-2,000000	36,001	800,000	31,729	118,637	13,728	118,997	49,729	117,467	0,203	-4,500
8	Única	-6,500124	45,000	1.000,000	157,133	110,486	134,633	111,949	179,633	110,036	0,253	4,500
8	Única	-2,000099	45,971	1.000,000	299,226	107,644	276,240	108,104	322,212	106,128	0,264	-4,597
8	Única	-6,597211	91,944	2.000,000	455,959	97,304	409,987	100,337	501,931	96,385	0,528	4,597
8	Única	-2,000000							584,308	94,737		
9	Única						0,000	119,883				
9	Única	-2,000000	39,993	4.000,000	35,109	119,181	15,112	119,581	55,106	118,581	0,050	-1,000
9	Única	-2,999834	72,194	3.500,000	227,647	113,405	191,550	114,488	263,744	113,067	0,186	2,063
9	Única	-0,937145							489,613	110,950		
10	Única						0,000	115,580				
10	Única	-2,514207	0,000	0,000	140,524	112,047	140,524	112,047	140,524	112,047	0,000	-0,630

10	Única	-3,144316	13,067	300,000	377,250	104,604	370,717	104,809	383,784	104,114	0,071	-4,356
10	Única	-7,500000	25,634	310,856	485,554	96,481	472,737	97,442	498,371	96,576	0,264	8,246
10	Única	0,746252							498,853	96,580		
11	Única						-0,015	102,669				
11	Única	5,080241							91,043	107,295		
13	Única						-9,002	124,783				
13	Única	-2,000222	47,995	2.400,000	24,735	124,108	0,738	124,588	48,733	123,148	0,120	-2,000
13	Única	-4,000000	60,000	3.000,000	174,994	118,098	144,994	119,298	204,994	117,498	0,150	2,000
13	Única	-2,000000	25,500	1.000,000	237,064	116,856	224,314	117,111	249,814	116,276	0,081	-2,550
13	Única	-4,550000	61,200	2.400,000	433,034	107,940	402,434	109,332	463,634	107,328	0,195	2,550
13	Única	-2,000000	50,000	2.500,000	511,625	106,368	486,625	106,868	536,625	105,368	0,125	-2,000
13	Única	-4,000000	150,000	5.000,000	674,377	99,858	599,377	102,858	749,377	99,108	0,563	3,000
13	Única	-1,000000	41,663	3.700,000	971,769	96,884	950,937	97,092	992,601	96,441	0,059	-1,126
13	Única	-2,126027	41,663	3.700,000	1.378,768	88,231	1.357,936	88,674	1.399,599	88,023	0,059	1,126
13	Única	-1,000000							1.602,942	85,989		
14	Única						0,000	126,236				
14	Única	-3,016834	0,000	0,000	91,818	123,466	91,818	123,466	91,818	123,466	0,000	0,676
14	Única	-2,340372	0,000	0,000	108,525	123,075	108,525	123,075	108,525	123,075	0,000	-2,087
14	Única	-4,427568							196,248	119,191		
15	Derecha						0,000	147,750				
15	Derecha	-2,000000	37,000	2.000,000	20,000	147,350	1,500	147,720	38,500	146,638	0,086	-1,850
15	Derecha	-3,850001	106,774	2.000,000	459,896	130,414	406,509	132,469	513,283	131,209	0,713	5,339
15	Derecha	1,488724	38,276	2.000,000	606,666	132,599	587,528	132,314	625,804	133,250	0,092	1,914
15	Derecha	3,402507	91,956	2.000,000	851,074	140,915	805,096	139,351	897,052	144,593	0,528	4,598
15	Derecha	8,000298	29,991	500,000	985,519	151,671	970,524	150,471	1.000,514	151,971	0,225	-5,998
15	Derecha	2,002183							1.012,090	152,203		
16	Única						0,000	151,159				
16	Única	-2,000000	40,001	1.000,000	20,000	150,759	-0,001	151,159	40,001	149,559	0,200	-4,000
16	Única	-6,000141	150,003	1.500,000	161,780	142,252	86,779	146,752	236,781	145,252	1,875	10,000
16	Única	4,000050	92,311	1.000,000	478,801	154,933	432,645	153,087	524,957	152,519	1,065	-9,231
16	Única	-5,231050	60,307	5.000,000	567,483	150,294	537,330	151,871	597,636	149,080	0,091	1,206
16	Única	-4,024915	40,647	2.000,000	1.109,333	128,485	1.089,009	129,303	1.129,657	128,080	0,103	2,032
16	Única	-1,992541							1.128,103	128,111		
17	Única						0,000	150,631				
17	Única	-1,998202	40,020	1.000,000	20,018	150,231	0,008	150,631	40,028	149,030	0,200	-4,002
17	Única	-6,000231	150,004	1.500,000	167,279	141,395	92,277	145,895	242,281	144,395	1,875	10,000
17	Única	4,000039	92,313	1.000,000	478,801	153,856	432,644	152,010	524,958	151,441	1,065	-9,231
17	Única	-5,231288	69,117	5.000,000	565,338	149,329	530,780	151,137	599,896	147,999	0,119	1,382
17	Única	-3,848951	36,983	2.000,000	1.112,526	128,268	1.094,034	128,980	1.131,018	127,898	0,085	1,849
17	Única	-1,999788							1.131,428	127,890		
18	Única						0,000	143,785				
18	Única	-1,263032	22,433	333,000	13,352	143,617	2,135	143,759	24,568	142,720	0,189	-6,737
18	Única	-7,999731	39,956	304,000	119,066	135,160	99,088	136,758	139,044	136,188	0,656	13,143
18	Única	5,143716	39,978	1.400,000	337,274	146,384	317,285	145,356	357,263	147,983	0,143	2,856

18	Única	7,999269	20,122	333,000	413,939	152,517	403,878	151,712	423,999	152,713	0,152	-6,043
18	Única	1,956677							435,877	152,946		
19	Derecha						0,000	128,723				
19	Derecha	1,000000	87,507	1.250,000	116,578	129,889	72,825	129,451	160,332	127,263	0,766	-7,001
19	Derecha	-6,000547	50,007	1.250,000	273,742	120,458	248,739	121,958	298,745	119,958	0,250	4,001
19	Derecha	-2,000000	49,994	1.250,000	333,442	119,264	308,445	119,764	358,439	117,764	0,250	-4,000
19	Derecha	-5,999531	229,081	2.000,000	516,723	108,268	402,182	115,140	631,264	114,516	3,280	11,454
19	Derecha	5,454532	35,748	1.000,000	789,053	123,122	771,179	122,147	806,927	123,458	0,160	-3,575
19	Derecha	1,879768							816,781	123,644		
20	Única						0,000	126,032				
20	Única	2,016576	53,505	590,000	31,105	126,659	4,353	126,120	57,858	124,773	0,607	-9,069
20	Única	-7,052088	65,020	922,000	224,612	113,013	192,102	115,306	257,122	113,013	0,573	7,052
20	Única	0,000000							257,113	113,013		
21	Única						0,000	119,899				
21	Única	-0,999628	23,997	800,000	21,508	119,684	9,510	119,804	33,506	119,924	0,090	3,000
21	Única	1,999955	134,998	1.500,000	468,468	128,623	400,969	127,273	535,967	123,898	1,519	-9,000
21	Única	-6,999936	25,004	500,000	688,870	113,195	676,368	114,070	701,372	112,945	0,156	5,001
21	Única	-1,999147	25,006	500,000	728,737	112,398	716,234	112,648	741,240	111,523	0,156	-5,001
21	Única	-7,000398	270,014	2.000,000	904,627	100,085	769,620	109,536	1.039,634	108,861	4,557	13,501
21	Única	6,500282	22,503	500,000	1.079,931	111,480	1.068,680	110,749	1.091,183	111,705	0,127	-4,501
21	Única	1,999599	21,000	350,000	1.126,642	112,414	1.116,142	112,204	1.137,142	113,254	0,158	6,000
21	Única	7,999662	23,997	400,000	1.181,917	116,836	1.169,918	115,876	1.193,915	117,076	0,180	-5,999
21	Única	2,000346							1.302,891	119,256		
22	Única						0,000	111,570				
22	Única	-2,049121	39,971	913,000	34,649	110,860	14,663	111,270	54,635	111,325	0,219	4,378
22	Única	2,328911	174,993	1.982,000	561,247	123,124	473,750	121,086	648,744	117,437	1,931	-8,829
22	Única	-6,500202	36,004	800,000	742,226	111,360	724,224	112,530	760,228	111,000	0,203	4,501
22	Única	-1,999655	40,000	800,000	782,833	110,548	762,833	110,948	802,833	109,148	0,250	-5,000
22	Única	-6,999626	189,989	2.000,000	924,712	100,617	829,717	107,266	1.019,707	102,992	2,256	9,499
22	Única	2,499848	24,001	800,000	1.188,728	107,217	1.176,728	106,917	1.200,728	107,157	0,090	-3,000
22	Única	-0,500221	34,998	1.000,000	1.256,698	106,877	1.239,199	106,965	1.274,197	106,177	0,153	-3,500
22	Única	-4,000043	47,388	1.000,000	1.348,772	103,194	1.325,078	104,142	1.372,466	103,369	0,281	4,739
22	Única	0,738724							1.376,401	103,398		
23	Única						0,000	98,086				
23	Única	-2,100412	48,012	3.000,000	81,097	96,383	57,091	96,887	105,103	96,263	0,096	1,600
23	Única	-0,500000							198,367	95,796		
24	Única						0,000	97,220				
24	Única	0,998686	37,510	750,000	30,440	97,524	11,685	97,337	49,195	98,649	0,235	5,001
24	Única	6,000039	39,991	1.000,000	132,906	103,672	112,910	102,472	152,902	104,072	0,200	-3,999
24	Única	2,000920	39,969	1.000,000	189,430	104,803	169,446	104,403	209,414	106,002	0,200	3,997
24	Única	5,997805	14,561	300,000	227,694	107,098	220,413	106,661	234,975	107,181	0,088	-4,854
24	Única	1,144032	4,163	500,000	256,889	107,432	254,807	107,408	258,971	107,438	0,004	-0,833
24	Única	0,311426							430,415	107,972		
25	Única						-21,361	151,548				

25	Única	3,245781	111,876	1.723,407	55,608	154,046	-0,330	152,230	111,546	152,230	0,908	-6,492
25	Única	-3,245781	111,876	1.723,407	209,546	149,049	153,608	150,865	265,484	150,865	0,908	6,492
25	Única	3,245781	111,876	1.723,407	363,484	154,046	307,546	152,230	419,422	152,230	0,908	-6,492
25	Única	-3,245781							440,453	151,548		
26	Única						-153,008	127,340				
26	Única	-3,500051	147,632	2.109,000	-5,353	122,172	-79,169	124,756	68,463	124,756	1,292	7,000
26	Única	3,500051	147,632	2.109,000	142,302	127,340	68,486	124,756	216,118	124,756	1,292	-7,000
26	Única	-3,500051	147,632	2.109,000	289,957	122,172	216,141	124,756	363,773	124,756	1,292	7,000
26	Única	3,500051							437,612	127,340		
28	Única						0,000	123,400				
28	Única	-1,935427	0,000	0,000	1,688	123,367	1,688	123,367	1,688	123,367	0,000	3,935
28	Única	2,000050	0,000	0,000	5,688	123,447	5,688	123,447	5,688	123,447	0,000	-5,263
28	Única	-3,262937	0,000	0,000	89,692	120,706	89,692	120,706	89,692	120,706	0,000	1,259
28	Única	-2,004060	0,000	0,000	93,684	120,626	93,684	120,626	93,684	120,626	0,000	-935,561
28	Única	-937,564848	0,000	0,000	93,700	120,476	93,700	120,476	93,700	120,476	0,000	935,565
28	Única	-1,999800	0,000	0,000	96,200	120,426	96,200	120,426	96,200	120,426	0,000	4,028
28	Única	2,028543							99,700	120,497		
29	Única						0,000	126,120				
29	Única	-2,391667							192,000	121,528		
30	Única						0,000	119,630				
30	Única	-1,999971	0,000	0,000	3,500	119,560	3,500	119,560	3,500	119,560	0,000	1.864,525
30	Única	1.862,525000	0,000	0,000	3,508	119,709	3,508	119,709	3,508	119,709	0,000	-1.860,523
30	Única	2,002418	0,000	0,000	10,000	119,839	10,000	119,839	10,000	119,839	0,000	-1,898
30	Única	0,104067	0,000	0,000	87,983	119,920	87,983	119,920	87,983	119,920	0,000	-2,105
30	Única	-2,000567	0,000	0,000	93,983	119,800	93,983	119,800	93,983	119,800	0,000	4,000
30	Única	1,999475	0,000	0,000	97,983	119,880	97,983	119,880	97,983	119,880	0,000	-4,638
30	Única	-2,638848	0,000	0,000	182,000	117,663	182,000	117,663	182,000	117,663	0,000	0,636
30	Única	-2,002540	0,000	0,000	188,492	117,533	188,492	117,533	188,492	117,533	0,000	-1.861,354
30	Única	-1.863,356678	0,000	0,000	188,500	117,384	188,500	117,384	188,500	117,384	0,000	1.865,357
30	Única	1,999971							192,000	117,454		
31	Única						0,000	107,261				
31	Única	-0,581745	0,000	0,000	172,757	106,256	172,757	106,256	172,757	106,256	0,000	-1,296
31	Única	-1,878214							176,750	106,181		
32	Única						0,000	102,432				
32	Única	-1,314418	0,000	0,000	4,026	102,379	4,026	102,379	4,026	102,379	0,000	3,519
32	Única	2,204154	0,000	0,000	6,903	102,443	6,903	102,443	6,903	102,443	0,000	1.635,467
32	Única	1.637,671084	0,000	0,000	6,912	102,593	6,912	102,593	6,912	102,593	0,000	-1.635,407
32	Única	2,263644	21,923	350,000	22,510	102,946	11,548	102,698	33,471	102,508	0,172	-6,264
32	Única	-4,000000	36,000	300,000	195,273	96,036	177,273	96,756	213,273	97,476	0,540	12,000
32	Única	8,000000	20,994	200,000	275,857	102,483	265,360	101,643	286,355	102,220	0,275	-10,497
32	Única	-2,497209	0,000	0,000	298,026	101,929	298,026	101,929	298,026	101,929	0,000	-1.873,466
32	Única	-1.875,962981	0,000	0,000	298,034	101,779	298,034	101,779	298,034	101,779	0,000	1.877,448
32	Única	1,484576							305,107	101,884		
33	Única						0,000	118,966				



33	Única	2,863975	0,000	0,000	85,068	121,402	85,068	121,402	85,068	121,402	0,000	-1,042
33	Única	1,821700	0,000	0,000	92,486	121,537	92,486	121,537	92,486	121,537	0,000	1,034
33	Única	2,856179	0,000	0,000	95,703	121,629	95,703	121,629	95,703	121,629	0,000	0,478
33	Única	3,334247							134,352	122,918		
34	Única						0,000	122,906				
34	Única	0,778640	0,000	0,000	67,133	123,429	67,133	123,429	67,133	123,429	0,000	-2,767
34	Única	-1,988632	0,000	0,000	69,733	123,377	69,733	123,377	69,733	123,377	0,000	3,985
34	Única	1,995978	0,000	0,000	77,133	123,525	77,133	123,525	77,133	123,525	0,000	-1,053
34	Única	0,942760	0,000	0,000	128,887	124,013	128,887	124,013	128,887	124,013	0,000	-2,992
34	Única	-2,049191	0,000	0,000	131,879	123,951	131,879	123,951	131,879	123,951	0,000	-1.873,814
34	Única	-1.875,862931	0,000	0,000	131,887	123,801	131,887	123,801	131,887	123,801	0,000	1.877,850
34	Única	1,986634	0,000	0,000	135,387	123,871	135,387	123,871	135,387	123,871	0,000	-3,968
34	Única	-1,981447	0,000	0,000	137,887	123,821	137,887	123,821	137,887	123,821	0,000	1.874,245
34	Única	1.872,263138	0,000	0,000	137,895	123,971	137,895	123,971	137,895	123,971	0,000	-1.870,212
34	Única	2,050663	26,252	350,000	153,861	124,299	140,735	124,030	166,987	123,583	0,246	-7,501
34	Única	-5,450000	0,000	0,000	233,717	119,947	233,717	119,947	233,717	119,947	0,000	3,450
34	Única	-2,000200	0,000	0,000	243,717	119,747	243,717	119,747	243,717	119,747	0,000	-5,671
34	Única	-7,671515							343,678	112,078		
35	Única						0,000	123,188				
35	Única	-1,878697	0,000	0,000	2,502	123,141	2,502	123,141	2,502	123,141	0,000	1.876,891
35	Única	1.875,012500	0,000	0,000	2,510	123,291	2,510	123,291	2,510	123,291	0,000	-1.872,909
35	Única	2,103372	0,000	0,000	5,505	123,354	5,505	123,354	5,505	123,354	0,000	-6,357
35	Única	-4,253283	0,000	0,000	99,597	119,352	99,597	119,352	99,597	119,352	0,000	2,253
35	Única	-1,999966							105,297	119,238		
36	Única						-6,492	111,948				
36	Única	2,002542	9,503	100,000	5,010	112,178	0,259	112,083	9,762	111,822	0,113	-9,503
36	Única	-7,500000	8,334	150,000	74,937	106,934	70,770	107,246	79,104	106,853	0,058	5,556
36	Única	-1,943780							89,333	106,654		
37	Única						0,000	107,499				
37	Única	7,963401							60,111	112,286		
38	Única						0,000	112,933				
38	Única	3,890222							80,857	116,079		
39	Única						0,000	105,399				
39	Única	2,000000	20,000	400,000	39,519	106,189	29,519	105,989	49,519	106,889	0,125	5,000
39	Única	7,000000							86,450	109,475		
40	Única						0,000	109,518				
40	Única	1,855073							109,060	111,541		
41	Única						0,000	136,816				
41	Única	-3,686592	26,212	296,852	31,492	135,655	18,386	136,138	44,598	136,329	0,289	8,830
41	Única	5,143531	24,109	250,000	265,732	147,703	253,678	147,083	277,787	147,161	0,291	-9,644
41	Única	-4,500000	14,951	250,000	432,610	140,194	425,134	140,530	440,085	140,304	0,112	5,980
41	Única	1,480450							450,595	140,460		

42	Única							-0,006	140,619				
42	Única	-8,483633	26,132	750,000	54,739	135,975	41,673	137,083	67,805	135,321	0,114	3,484	
42	Única	-4,999414	28,628	409,000	89,176	134,253	74,862	134,969	103,490	134,539	0,250	6,999	
42	Única	2,000000	28,322	450,000	234,411	137,158	220,250	136,874	248,572	136,550	0,223	-6,294	
42	Única	-4,293838							387,917	130,566			
43	Única						0,000	135,405					
43	Única	-2,000000	0,000	0,000	5,000	135,305	5,000	135,305	5,000	135,305	0,000	-8,500	
43	Única	-10,500430	66,006	1.200,000	59,693	129,562	26,690	133,027	92,696	127,912	0,454	5,500	
43	Única	-4,999956							174,434	123,825			
44	Única						0,000	124,000					
44	Única	-7,999576	59,993	1.500,000	56,578	119,474	26,582	121,874	86,574	118,274	0,300	4,000	
44	Única	-4,000048	59,998	1.200,000	223,501	112,797	193,502	113,997	253,500	113,097	0,375	5,000	
44	Única	0,999790							309,219	113,654			
45	Única						0,000	113,620					
45	Única	-8,000284	59,508	850,000	112,596	104,612	82,842	106,992	142,350	104,315	0,521	7,001	
45	Única	-0,999350	60,012	1.500,000	224,969	103,489	194,963	103,789	254,975	101,989	0,300	-4,001	
45	Única	-5,000181	60,000	1.500,000	363,004	96,587	333,004	98,087	393,004	96,287	0,300	4,000	
45	Única	-1,000200							448,187	95,735			
47	Única						0,001	114,109					
47	Única	-2,000000	13,750	250,000	7,110	113,967	0,235	114,104	13,985	113,451	0,095	-5,500	
47	Única	-7,500000	61,721	726,134	106,949	106,479	76,089	108,793	137,810	106,787	0,656	8,500	
47	Única	1,000000	84,000	1.200,000	326,515	108,675	284,515	108,255	368,515	112,035	0,735	7,000	
47	Única	8,000000	30,000	500,000	400,201	114,569	385,201	113,369	415,201	114,869	0,225	-6,000	
47	Única	2,000000	15,000	250,000	425,108	115,068	417,608	114,918	432,608	115,668	0,113	6,000	
47	Única	8,000000	15,401	250,000	512,953	122,095	505,252	121,479	520,654	122,237	0,119	-6,161	
47	Única	1,839412	0,000	0,000	527,460	122,362	527,460	122,362	527,460	122,362	0,000	-4,825	
47	Única	-2,985730	0,000	0,000	534,728	122,145	534,728	122,145	534,728	122,145	0,000	1.674,679	
47	Única	1.671,692856	0,000	0,000	534,737	122,295	534,737	122,295	534,737	122,295	0,000	-1.669,823	
47	Única	1,869847	13,698	1.000,000	589,128	123,312	582,279	123,184	595,977	123,346	0,023	-1,370	
47	Única	0,500000	26,250	250,000	630,694	123,520	617,569	123,454	643,819	122,207	0,345	-10,500	
47	Única	-10,000000	24,000	300,000	714,616	115,128	702,616	116,328	726,616	114,888	0,240	8,000	
47	Única	-2,000000							726,705	114,886			
49	Única						0,000	117,464					
49	Única	-7,763284							88,648	110,582			
51	Única						0,000	85,238					
51	Única	2,849950	83,374	1.450,000	64,887	87,087	23,200	85,899	106,574	85,878	0,599	-5,750	
51	Única	-2,899950	83,374	1.450,000	187,201	83,540	145,514	84,749	228,888	84,728	0,599	5,750	
51	Única	2,849960							246,774	85,238			
54	Única						0,000	114,573					
54	Única	-5,355167							132,078	107,500			
55	Única						0,000	107,513					
55	Única	-0,393683							72,648	107,227			

56	Única							0,000	110,417				
56	Única	-2,520097								110,302	107,637		
57	Única							0,000	108,162				
57	Única	-0,500000	30,000	3.000,000	88,492	107,719	73,492	107,794	103,492	107,794	0,037	1,000	
57	Única	0,500000							158,047	108,067			
58	Única							0,000	93,865				
58	Única	-2,242046	36,404	450,000	163,191	90,206	144,989	90,614	181,393	91,271	0,368	8,090	
58	Única	5,847719							182,364	91,327			
59	Única							0,000	88,260				
59	Única	-0,750000	28,640	2.000,000	156,118	87,089	141,798	87,197	170,438	87,187	0,051	1,432	
59	Única	0,681984							174,126	87,212			
60	Única							20,000	90,638				
60	Única	-0,500000	16,250	250,000	205,786	89,709	197,661	89,750	213,911	90,197	0,132	6,500	
60	Única	6,000000							252,905	92,536			
62	Única							-47,544	122,295				
62	Única	1,869847	49,349	500,000	28,073	123,709	3,398	123,248	52,748	121,735	0,609	-9,870	
62	Única	-8,000000	15,900	265,000	136,340	115,048	128,390	115,684	144,290	114,889	0,119	6,000	
62	Única	-2,000000							144,424	114,886			
63	Única							0,000	107,643				
63	Única	-1,685926	0,000	0,000	3,612	107,582	3,612	107,582	3,612	107,582	0,000	633,064	
63	Única	631,378571	0,000	0,000	3,636	107,732	3,636	107,732	3,636	107,732	0,000	-629,174	
63	Única	2,204119	8,181	150,000	14,456	107,971	10,366	107,880	18,547	107,838	0,056	-5,454	
63	Única	-3,250000	16,360	1.000,000	105,645	105,007	97,465	105,273	113,824	104,875	0,033	1,636	
63	Única	-1,614041	0,000	0,000	120,881	104,761	120,881	104,761	120,881	104,761	0,000	-1.675,802	
63	Única	-1.677,416130	0,000	0,000	120,890	104,610	120,890	104,610	120,890	104,610	0,000	1.679,512	
63	Única	2,096160							124,664	104,689			
64	Única							0,000	104,681				
64	Única	-1,840033	0,000	0,000	3,587	104,615	3,587	104,615	3,587	104,615	0,000	3,947	
64	Única	2,106945	0,000	0,000	6,150	104,669	6,150	104,669	6,150	104,669	0,000	1.885,406	
64	Única	1.887,512500	0,000	0,000	6,158	104,820	6,158	104,820	6,158	104,820	0,000	-1.885,411	
64	Única	2,101613	20,378	600,000	20,506	105,122	10,317	104,907	30,695	104,990	0,087	-3,396	
64	Única	-1,294800	12,096	8.000,000	208,327	102,690	202,279	102,768	214,375	102,602	0,002	-0,151	
64	Única	-1,446005	0,000	0,000	222,064	102,491	222,064	102,491	222,064	102,491	0,000	-1.664,599	
64	Única	-1.666,044652	0,000	0,000	222,073	102,341	222,073	102,341	222,073	102,341	0,000	1.668,081	
64	Única	2,036612							226,099	102,423			
65	Única							0,000	124,675				
65	Única	-1,998544	49,462	2.476,172	28,791	124,100	4,060	124,594	53,521	123,112	0,123	-1,997	
65	Única	-3,996044	58,421	2.926,770	179,209	118,089	149,998	119,256	208,419	117,505	0,146	1,996	
65	Única	-1,999960	25,502	1.000,082	240,856	116,856	228,105	117,111	253,607	116,276	0,081	-2,550	
65	Única	-4,549986	0,000	0,000	327,807	112,900	327,807	112,900	327,807	112,900	0,000	0,058	
65	Única	-4,492330	64,334	2.540,292	437,938	107,953	405,771	109,398	470,105	107,322	0,204	2,533	
65	Única	-1,959770	51,006	2.602,993	518,803	106,368	493,300	106,868	544,306	105,368	0,125	-1,960	
65	Única	-3,919290							562,051	104,673			

66	Única							-0,253	97,962				
66	Única	-1,000003	41,647	3.698,652	107,511	96,884	86,688	97,092	128,335	96,441	0,059	-1,126	
66	Única	-2,126001	38,848	3.415,558	513,466	88,253	494,042	88,666	532,890	88,061	0,055	1,137	
66	Única	-0,988630							733,432	86,079			
70	Única						0,000	103,349					
70	Única	-2,017385	50,869	5.000,000	70,550	101,926	45,116	102,439	95,985	101,672	0,065	1,017	
70	Única	-1,000000	47,054	3.800,000	234,768	100,284	211,241	100,519	258,295	99,757	0,073	-1,238	
70	Única	-2,238267	66,262	2.500,000	469,355	95,033	436,224	95,775	502,486	95,170	0,220	2,650	
70	Única	0,412214							599,101	95,568			
71	Única						-258,509	103,349					
71	Única	-2,017385	50,869	5.000,000	-187,959	101,926	-213,394	102,439	-162,524	101,672	0,065	1,017	
71	Única	-1,000000	47,052	3.800,000	-23,719	100,284	-47,245	100,519	-0,193	99,757	0,073	-1,238	
71	Única	-2,238215	60,682	6.000,000	84,788	97,855	54,447	98,534	115,129	97,483	0,077	1,011	
71	Única	-1,226852	24,251	2.000,000	275,150	95,520	263,025	95,668	287,275	95,518	0,037	1,213	
71	Única	-0,014327	0,000	0,000	334,900	95,511	334,900	95,511	334,900	95,511	0,000	0,619	
71	Única	0,605042							344,321	95,568			
72	Única						0,000	99,753					
72	Única	-2,187426	51,751	1.200,000	26,600	99,171	0,725	99,737	52,476	97,489	0,279	-4,313	
72	Única	-6,500000	41,040	350,000	114,313	93,470	93,792	94,803	134,833	94,542	0,602	11,726	
72	Única	5,225850	69,371	500,000	199,544	97,924	164,858	96,111	234,229	94,924	1,203	-13,874	
72	Única	-8,648286	63,628	500,000	270,443	91,792	238,629	94,543	302,257	93,089	1,012	12,726	
72	Única	4,077286	51,356	500,000	339,328	94,601	313,650	93,554	365,006	93,010	0,659	-10,271	
72	Única	-6,193945	121,664	800,000	432,397	88,836	371,565	92,604	493,229	94,319	2,313	15,208	
72	Única	9,014081	56,795	550,000	593,677	103,374	565,280	100,814	622,075	103,001	0,733	-10,326	
72	Única	-1,312259	32,200	10.973,720	757,791	101,220	741,691	101,432	773,891	101,056	0,012	0,293	
72	Única	-1,018828							774,327	101,052			
73	Única						-0,925	96,663					
73	Única	1,518863	19,656	230,736	9,828	96,826	0,000	96,677	19,656	96,138	0,209	-8,519	
73	Única	-7,000000	35,000	700,000	149,245	87,067	131,745	88,292	166,745	86,717	0,219	5,000	
73	Única	-2,000000							198,000	86,092			
74	Única						0,000	82,785					
74	Única	-3,321980	40,754	700,000	20,570	82,102	0,194	82,779	40,947	82,611	0,297	5,822	
74	Única	2,500000	17,200	400,000	49,753	82,832	41,153	82,617	58,353	82,677	0,092	-4,300	
74	Única	-1,800000	11,400	1.200,000	141,888	81,173	136,188	81,276	147,588	81,016	0,014	-0,950	
74	Única	-2,750000							186,248	79,953			
75	Única						-0,706	81,333					
75	Única	0,432889	8,351	150,000	4,583	81,356	0,408	81,338	8,758	81,607	0,058	5,567	
75	Única	6,000000	27,500	500,000	142,977	89,660	129,227	88,835	156,727	89,729	0,189	-5,500	
75	Única	0,500000	25,000	2.500,000	378,008	90,835	365,508	90,773	390,508	90,773	0,031	-1,000	
75	Única	-0,500000	31,500	300,000	436,416	90,543	420,666	90,622	452,166	92,118	0,413	10,500	
75	Única	10,000000	12,000	150,000	488,328	95,734	482,328	95,134	494,328	95,854	0,120	-8,000	
75	Única	2,000000							494,493	95,857			
76	Única						15,746	89,568					

76	Única	-1,250000	20,250	300,000	159,861	87,767	149,736	87,893	169,986	86,957	0,171	-6,750
76	Única	-8,000000	19,800	300,000	227,306	82,371	217,406	83,163	237,206	82,232	0,163	6,600
76	Única	-1,400000	52,207	2.000,000	575,747	77,493	549,643	77,858	601,850	77,809	0,170	2,610
76	Única	1,210346							773,517	79,886		
77	Única						-6,040	150,259				
77	Única	1,310017	0,000	0,000	-0,010	150,338	-0,010	150,338	-0,010	150,338	0,000	-9,310
77	Única	-8,000000	26,100	450,000	153,576	138,051	140,526	139,095	166,626	137,764	0,189	5,800
77	Única	-2,200000	14,754	2.459,015	509,032	130,231	501,655	130,393	516,409	130,025	0,011	-0,600
77	Única	-2,800000	20,000	571,429	820,729	121,504	810,729	121,784	830,729	120,874	0,088	-3,500
77	Única	-6,300000	64,800	1.800,000	1.016,344	109,180	983,944	111,221	1.048,744	108,305	0,292	3,600
77	Única	-2,700000							1.145,527	105,692		
78	Única						0,000	114,802				
78	Única	-3,500000	20,000	500,000	87,598	111,736	77,598	112,086	97,598	111,786	0,100	4,000
78	Única	0,500000	19,800	1.100,000	133,073	111,964	123,173	111,914	142,973	111,835	0,045	-1,800
78	Única	-1,300000	20,375	125,000	286,376	109,971	276,188	110,103	296,563	111,499	0,415	16,300
78	Única	15,000000	19,500	150,000	345,724	118,873	335,974	117,410	355,474	119,068	0,317	-13,000
78	Única	2,000000	39,950	235,000	423,226	120,423	403,251	120,023	443,201	117,427	0,849	-17,000
78	Única	-15,000000							445,637	117,061		
79	Única						0,000	148,789				
79	Única	2,011091	0,000	0,000	11,198	149,014	11,198	149,014	11,198	149,014	0,000	-4,001
79	Única	-1,989740	20,183	325,000	38,447	148,472	28,356	148,673	48,539	147,644	0,157	-6,210
79	Única	-8,200000	21,060	180,000	176,232	137,173	165,702	138,037	186,762	137,542	0,308	11,700
79	Única	3,500000	9,198	80,000	272,636	140,548	268,037	140,387	277,235	140,180	0,132	-11,498
79	Única	-7,998031	19,996	200,000	322,681	136,545	312,683	137,345	332,679	136,745	0,250	9,998
79	Única	2,000000							336,234	136,816		
80	Derecha						0,000	126,414				
80	Derecha	-2,454337							55,730	125,046		
81	Única						-0,500	90,100				
81	Única	1,999983	10,000	125,000	16,513	90,440	11,513	90,340	21,513	90,140	0,100	-8,000
81	Única	-6,000000	10,000	132,416	57,140	88,003	52,140	88,303	62,140	88,080	0,094	7,552
81	Única	1,551965							66,654	88,150		
82	Única						-0,500	86,966				
82	Única	2,016474	5,000	31,218	13,953	87,257	11,453	87,207	16,453	86,907	0,100	-16,016
82	Única	-14,000000	5,000	31,073	63,041	80,385	60,541	80,735	65,541	80,438	0,101	16,091
82	Única	2,091324							70,134	80,534		



PROJECTE D'OBRES BÀSIQUES D'URBANITZACIÓ DEL SECTOR PARC DE L'ALBA DE CERDANYOLA DEL VALLÈS.

*LLISTAT DE PUNTS SINGULARS*

PUNTOS SINGULARES DE LA PLANTA Y EL ALZADO

EJE	PK	PUNTO	X	Y	Cota Rasante	Cota Terreno	Peralte IZQ	Peralte DER
1	0,000	pla	424.476,309	4.593.802,069	155,580	155,650	-2.000 %	2.000 %
1	20,000		424.481,938	4.593.782,877	155,440	148,853	-2.000 %	2.000 %
1	40,000		424.487,568	4.593.763,686	155,300	143,382	-2.000 %	2.000 %
1	60,000		424.493,197	4.593.744,494	155,160	143,302	-2.000 %	2.000 %
1	69,769	pla	424.495,946	4.593.735,120	155,092	144,418	-2.000 %	2.000 %
1	80,000		424.498,658	4.593.725,255	155,020	148,438	-2.000 %	2.000 %
1	100,000		424.502,980	4.593.705,732	154,880	154,965	-2.000 %	2.000 %
1	105,858	alz	424.503,999	4.593.699,963	154,839	154,902	-2.000 %	2.000 %
1	120,000		424.505,992	4.593.685,964	154,690	155,068	-2.000 %	2.000 %
1	140,000		424.507,680	4.593.666,039	154,309	154,887	-2.000 %	2.000 %
1	158,401	pla	424.508,058	4.593.647,645	153,781	155,641	-2.000 %	2.000 %
1	160,000		424.508,042	4.593.646,046	153,727	155,666	-2.000 %	2.000 %
1	171,858	alz	424.507,922	4.593.634,188	153,288	155,433	-2.000 %	2.000 %
1	179,133	per	424.507,848	4.593.626,914	152,997	155,287	-2.000 %	2.000 %
1	179,134		424.507,848	4.593.626,913	152,997	155,287	-2.000 %	2.000 %
2	0,000	pla	424.518,144	4.593.530,169	149,988	147,459	-2.000 %	2.000 %
2	0,112	pla	424.518,169	4.593.530,060	149,984	147,449	-2.000 %	2.000 %
2	1,729	alz	424.518,553	4.593.528,489	149,919	147,322	-2.000 %	2.000 %
2	7,725	pla	424.520,464	4.593.522,810	149,667	147,123	-2.000 %	2.000 %
2	20,000		424.525,051	4.593.511,425	149,077	146,360	-2.000 %	2.000 %
2	39,229	alz	424.531,854	4.593.493,441	147,950	145,427	-2.000 %	2.000 %
2	40,000		424.532,117	4.593.492,715	147,900	145,398	-2.000 %	2.000 %
2	60,000		424.538,676	4.593.473,822	146,600	144,473	-2.000 %	2.000 %
2	80,000		424.544,722	4.593.454,758	145,300	143,809	-2.000 %	2.000 %
2	100,000		424.550,250	4.593.435,538	144,000	142,621	-2.000 %	2.000 %
2	120,000		424.555,257	4.593.416,176	142,700	142,068	-2.000 %	2.000 %
2	140,000		424.559,738	4.593.396,685	141,400	141,068	-2.000 %	2.000 %
2	160,000		424.563,692	4.593.377,080	140,100	139,696	-2.000 %	2.000 %
2	161,835	alz	424.564,028	4.593.375,276	139,981	139,689	-2.000 %	2.000 %
2	180,000		424.567,114	4.593.357,376	138,882	138,823	-2.000 %	2.000 %
2	200,000		424.570,002	4.593.337,586	137,864	137,840	-2.000 %	2.000 %
2	220,000		424.572,355	4.593.317,725	137,046	137,068	-2.000 %	2.000 %
2	231,835	alz	424.573,494	4.593.305,945	136,656	136,568	-2.000 %	2.000 %
2	240,000		424.574,170	4.593.297,809	136,411	136,391	-2.000 %	2.000 %
2	256,397	pla	424.575,256	4.593.281,448	135,919	135,568	-2.000 %	2.000 %
2	260,000		424.575,455	4.593.277,850	135,811	135,568	-2.000 %	2.000 %
2	276,397	per	424.576,360	4.593.261,479	135,319	135,319	-2.000 %	2.000 %
3	0,000	pla	425.168,514	4.593.679,404	146,501	145,915	-2.000 %	2.000 %
3	0,598	alz	425.168,835	4.593.678,900	146,490	145,830	-2.000 %	2.000 %
3	20,000		425.179,281	4.593.662,550	145,832	143,460	-2.000 %	2.000 %
3	37,951	alz	425.188,945	4.593.647,422	144,664	141,615	-2.000 %	2.000 %
3	40,000		425.190,048	4.593.645,695	144,500	141,417	-2.000 %	2.000 %
3	60,000		425.200,815	4.593.628,841	142,900	139,469	-2.000 %	2.000 %
3	80,000		425.211,582	4.593.611,987	141,300	137,759	-2.000 %	2.000 %
3	100,000		425.222,349	4.593.595,132	139,700	135,485	-2.000 %	2.000 %
3	120,000		425.233,116	4.593.578,278	138,100	134,372	-2.000 %	2.000 %
3	140,000		425.243,883	4.593.561,423	136,500	133,488	-2.000 %	2.000 %
3	155,862	alz	425.252,422	4.593.548,056	135,231	133,294	-2.000 %	2.000 %
3	160,000	per	425.254,650	4.593.544,569	134,911	133,090	-2.000 %	2.000 %

3	180,000	425.265,417	4.593.527,715	133,665	132,601	-2.000 %	2.000 %
3	200,000	425.276,184	4.593.510,860	132,918	132,568	-2.000 %	2.000 %
3	203,862 alz	425.278,263	4.593.507,605	132,831	132,566	-2.000 %	2.000 %
3	220,000	425.286,951	4.593.494,006	132,509	132,225	-2.000 %	2.000 %
3	240,000	425.297,718	4.593.477,151	132,109	132,039	-2.000 %	2.000 %
3	260,000	425.308,485	4.593.460,297	131,709	131,509	-2.000 %	2.000 %
3	280,000	425.319,252	4.593.443,442	131,309	131,068	-2.000 %	2.000 %
3	281,991 alz	425.320,324	4.593.441,764	131,269	131,068	-2.000 %	2.000 %
3	300,000	425.330,019	4.593.426,588	130,819	130,868	-2.000 %	2.000 %
3	320,000	425.340,786	4.593.409,734	130,107	128,193	-2.000 %	2.000 %
3	322,491 alz	425.342,127	4.593.407,634	130,003	128,010	-2.000 %	2.000 %
3	335,150 pla	425.348,942	4.593.396,966	129,465	127,279	-2.000 %	2.000 %
3	340,000	425.351,662	4.593.392,952	129,259	127,113	-2.000 %	2.000 %
3	360,000	425.365,023	4.593.378,125	128,409	126,519	-2.000 %	2.000 %
3	380,000	425.381,324	4.593.366,608	127,559	125,568	-2.000 %	2.000 %
3	383,845 pla	425.384,730	4.593.364,823	127,396	125,371	-2.000 %	2.000 %
3	400,000	425.399,196	4.593.357,633	126,709	124,836	-2.000 %	2.000 %
3	420,000	425.417,106	4.593.348,732	125,859	124,328	-2.000 %	2.000 %
3	440,000	425.435,016	4.593.339,830	125,009	123,594	-2.000 %	2.000 %
3	451,800 alz	425.445,583	4.593.334,578	124,508	123,344	-2.000 %	2.000 %
3	460,000	425.452,926	4.593.330,928	124,152	123,149	-2.000 %	2.000 %
3	480,000	425.470,835	4.593.322,027	123,230	122,568	-2.000 %	2.000 %
3	500,000	425.488,745	4.593.313,125	122,227	121,695	-2.000 %	2.000 %
3	520,000	425.506,655	4.593.304,223	121,144	120,861	-2.000 %	2.000 %
3	531,241 pla	425.516,722	4.593.299,220	120,500	120,469	-2.000 %	2.000 %
3	539,300 alz	425.523,716	4.593.295,226	120,023	120,022	-2.000 %	2.000 %
3	540,000	425.524,301	4.593.294,842	119,981	120,007	-2.000 %	2.000 %
3	560,000	425.539,164	4.593.281,561	118,781	119,568	-2.000 %	2.000 %
3	580,000	425.549,681	4.593.264,630	117,581	118,730	-2.000 %	2.000 %
3	600,000	425.555,000	4.593.245,420	116,381	117,851	-2.000 %	2.000 %
3	620,000	425.554,689	4.593.225,491	115,181	116,465	-2.000 %	2.000 %
3	633,127 alz	425.551,418	4.593.212,798	114,394	115,665	-2.000 %	2.000 %
3	640,000	425.548,774	4.593.206,457	113,997	115,236	-2.000 %	2.000 %
3	641,315 pla	425.548,198	4.593.205,275	113,925	115,168	-2.000 %	2.000 %
3	660,000	425.539,853	4.593.188,556	113,022	114,033	-2.000 %	2.000 %
3	680,000	425.530,921	4.593.170,662	112,314	113,038	-2.000 %	2.000 %
3	700,000	425.521,990	4.593.152,767	111,872	112,649	-2.000 %	2.000 %
3	715,627 alz	425.515,011	4.593.138,785	111,712	112,058	-2.000 %	2.000 %
3	720,000	425.513,058	4.593.134,872	111,691	112,140	-2.000 %	2.000 %
3	740,000	425.504,126	4.593.116,977	111,591	110,068	-2.000 %	2.000 %
3	760,000	425.495,195	4.593.099,082	111,491	110,057	-2.000 %	2.000 %
3	780,000	425.486,263	4.593.081,187	111,391	110,043	-2.000 %	2.000 %
3	800,000	425.477,331	4.593.063,293	111,291	110,029	-2.000 %	2.000 %
3	820,000	425.468,399	4.593.045,398	111,191	110,015	-2.000 %	2.000 %
3	840,000	425.459,468	4.593.027,503	111,091	110,068	-2.000 %	2.000 %
3	860,000	425.450,536	4.593.009,608	110,991	109,984	-2.000 %	2.000 %
3	880,000	425.441,604	4.592.991,713	110,891	113,346	-2.000 %	2.000 %
3	900,000	425.432,673	4.592.973,819	110,791	113,742	-2.000 %	2.000 %
3	911,310 pla	425.427,622	4.592.963,699	110,734	113,675	-2.000 %	2.000 %
6	0,000 pla	425.918,566	4.593.592,103	123,511	126,356	-2.000 %	2.000 %
6	10,311 alz	425.924,746	4.593.583,849	123,305	126,385	-2.000 %	2.000 %



6	20,000	425.930,553	4.593.576,093	123,061	126,221	-2.000 %	2.000 %
6	30,317 alz	425.936,737	4.593.567,835	122,690	125,501	-2.000 %	2.000 %
6	40,000	425.942,541	4.593.560,084	122,289	124,967	-2.000 %	2.000 %
6	60,000	425.954,528	4.593.544,074	121,461	123,018	-2.000 %	2.000 %
6	80,000	425.966,515	4.593.528,065	120,633	121,333	-2.000 %	2.000 %
6	100,000	425.978,502	4.593.512,055	119,804	119,425	-2.000 %	2.000 %
6	120,000	425.990,490	4.593.496,046	118,976	117,912	-2.000 %	2.000 %
6	140,000	426.002,477	4.593.480,036	118,147	116,596	-2.000 %	2.000 %
6	160,000	426.014,464	4.593.464,027	117,319	115,739	-2.000 %	2.000 %
6	180,000	426.026,452	4.593.448,017	116,491	114,155	-2.000 %	2.000 %
6	200,000	426.038,439	4.593.432,008	115,662	114,137	-2.000 %	2.000 %
6	213,304 alz	426.046,413	4.593.421,359	115,111	114,045	-2.000 %	2.000 %
6	220,000	426.050,426	4.593.415,998	114,854	113,935	-2.000 %	2.000 %
6	237,316 alz	426.060,805	4.593.402,138	114,374	113,841	-2.000 %	2.000 %
6	240,000	426.062,414	4.593.399,989	114,320	113,803	-2.000 %	2.000 %
6	250,000 per	426.068,407	4.593.391,984	114,120	113,564	-2.000 %	2.000 %
6	260,000	426.074,401	4.593.383,979	113,920	113,304	-2.000 %	2.000 %
6	260,769 alz	426.074,862	4.593.383,364	113,905	113,278	-2.000 %	2.000 %
6	280,000	426.086,388	4.593.367,970	113,433	113,233	-2.000 %	2.000 %
6	300,000	426.098,375	4.593.351,960	112,758	112,887	-2.000 %	2.000 %
6	310,765 alz	426.104,828	4.593.343,343	112,316	112,402	-2.000 %	2.000 %
6	320,000	426.110,363	4.593.335,951	111,914	111,925	-2.000 %	2.000 %
6	340,000	426.122,350	4.593.319,941	111,043	110,985	-2.000 %	2.000 %
6	360,000	426.134,337	4.593.303,932	110,172	110,128	-2.000 %	2.000 %
6	380,000	426.146,325	4.593.287,922	109,301	109,182	-2.000 %	2.000 %
6	400,000	426.158,312	4.593.271,913	108,430	109,142	-2.000 %	2.000 %
6	420,000	426.170,299	4.593.255,903	107,559	108,388	-2.000 %	2.000 %
6	440,000	426.182,287	4.593.239,894	106,688	108,002	-2.000 %	2.000 %
6	460,000	426.194,274	4.593.223,884	105,817	106,559	-2.000 %	2.000 %
6	460,921 alz	426.194,826	4.593.223,147	105,777	106,572	-2.000 %	2.000 %
6	480,000	426.206,261	4.593.207,875	105,032	106,088	-2.000 %	2.000 %
6	500,000	426.218,249	4.593.191,865	104,434	106,342	-2.000 %	2.000 %
6	510,917 alz	426.224,792	4.593.183,126	104,188	106,970	-2.000 %	2.000 %
6	520,000	426.230,236	4.593.175,856	104,006	107,040	-2.000 %	2.000 %
6	520,324 per	426.230,430	4.593.175,596	104,000	107,049	-2.000 %	2.000 %
6	520,325	426.230,431	4.593.175,596	104,000	107,049	-2.000 %	2.000 %
7	0,000 pla	426.110,078	4.593.600,297	127,387	127,068	-2.000 %	2.000 %
7	9,891 alz	426.114,792	4.593.591,601	127,090	126,568	-2.000 %	2.000 %
7	20,000	426.119,610	4.593.582,714	126,736	126,251	-2.000 %	2.000 %
7	37,392 alz	426.127,898	4.593.567,424	125,887	125,568	-2.000 %	2.000 %
7	40,000	426.129,141	4.593.565,131	125,737	125,568	-2.000 %	2.000 %
7	60,000	426.138,672	4.593.547,548	124,587	124,568	-2.000 %	2.000 %
7	80,000	426.148,204	4.593.529,966	123,437	123,568	-2.000 %	2.000 %
7	100,000	426.157,735	4.593.512,383	122,287	122,568	-2.000 %	2.000 %
7	120,000	426.167,267	4.593.494,800	121,137	121,568	-2.000 %	2.000 %
7	140,000	426.176,798	4.593.477,217	119,987	120,568	-2.000 %	2.000 %
7	159,177 alz	426.185,937	4.593.460,358	118,884	119,568	-2.000 %	2.000 %
7	160,000	426.186,329	4.593.459,635	118,837	119,568	-2.000 %	2.000 %
7	180,000	426.195,861	4.593.442,052	117,875	118,568	-2.000 %	2.000 %
7	185,207 alz	426.198,342	4.593.437,474	117,681	118,068	-2.000 %	2.000 %
7	200,000	426.205,392	4.593.424,469	117,163	117,568	-2.000 %	2.000 %

7	211,991 alz	426.211,107	4.593.413,928	116,744	116,568	-2.000 %	2.000 %
7	220,000	426.214,924	4.593.406,886	116,420	116,568	-2.000 %	2.000 %
7	238,043 alz	426.223,522	4.593.391,024	115,374	115,170	-2.000 %	2.000 %
7	238,524 alz	426.223,751	4.593.390,602	115,341	115,166	-2.000 %	2.000 %
7	240,000	426.224,455	4.593.389,304	115,238	115,068	-2.000 %	2.000 %
7	260,000	426.233,986	4.593.371,721	113,995	113,952	-2.000 %	2.000 %
7	262,350 alz	426.235,107	4.593.369,655	113,868	113,568	-2.000 %	2.000 %
7	280,000	426.243,518	4.593.354,138	112,924	112,859	-2.000 %	2.000 %
7	300,000	426.253,049	4.593.336,556	111,854	111,843	-2.000 %	2.000 %
7	311,404 alz	426.258,484	4.593.326,529	111,244	111,353	-2.000 %	2.000 %
7	320,000	426.262,581	4.593.318,973	110,821	110,855	-2.000 %	2.000 %
7	328,596 alz	426.266,677	4.593.311,416	110,472	110,568	-2.000 %	2.000 %
7	340,000	426.272,112	4.593.301,390	110,058	110,068	-2.000 %	2.000 %
7	360,000	426.281,643	4.593.283,807	109,332	109,347	-2.000 %	2.000 %
7	380,000	426.291,175	4.593.266,225	108,606	108,568	-2.000 %	2.000 %
7	380,200 alz	426.291,270	4.593.266,049	108,599	108,568	-2.000 %	2.000 %
7	400,000	426.300,706	4.593.248,642	107,963	108,068	-2.000 %	2.000 %
7	420,000	426.310,238	4.593.231,059	107,491	107,568	-2.000 %	2.000 %
7	440,000	426.319,769	4.593.213,476	107,189	107,068	-2.000 %	2.000 %
7	442,004 alz	426.320,724	4.593.211,714	107,168	107,068	-2.000 %	2.000 %
7	442,492 alz	426.320,956	4.593.211,286	107,163	107,068	-2.000 %	2.000 %
7	459,712 alz	426.329,163	4.593.196,146	106,929	107,068	-2.000 %	2.000 %
7	460,000	426.329,300	4.593.195,894	106,924	107,068	-2.000 %	2.000 %
7	480,000	426.338,832	4.593.178,311	106,581	106,568	-2.000 %	2.000 %
7	500,000	426.348,363	4.593.160,728	106,237	106,068	-2.000 %	2.000 %
7	520,000	426.357,895	4.593.143,145	105,894	105,568	-2.000 %	2.000 %
7	540,000	426.367,426	4.593.125,563	105,550	104,728	-2.000 %	2.000 %
7	560,000	426.376,957	4.593.107,980	105,207	104,405	-2.000 %	2.000 %
7	577,795 pla	426.385,438	4.593.092,335	104,901	105,068	-2.000 %	2.000 %
7	577,796	426.385,438	4.593.092,335	104,901	105,068	-2.000 %	2.000 %
8	0,000 pla	426.266,727	4.593.478,069	119,272	117,568	-2.000 %	2.000 %
8	13,728 alz	426.273,269	4.593.466,000	118,997	116,438	-2.000 %	2.000 %
8	20,000	426.276,258	4.593.460,486	118,847	115,931	-2.000 %	2.000 %
8	40,000	426.285,788	4.593.442,903	118,041	114,804	-2.000 %	2.000 %
8	49,729 alz	426.290,425	4.593.434,349	117,467	114,068	-2.000 %	2.000 %
8	60,000	426.295,319	4.593.425,320	116,800	113,568	-2.000 %	2.000 %
8	80,000	426.304,849	4.593.407,736	115,500	112,120	-2.000 %	2.000 %
8	84,996 pla	426.307,230	4.593.403,344	115,175	112,068	-2.000 %	2.000 %
8	100,000	426.315,593	4.593.390,914	114,200	110,568	-2.000 %	2.000 %
8	120,000	426.330,111	4.593.377,237	112,900	108,858	-2.000 %	2.000 %
8	134,633 alz	426.342,681	4.593.369,788	111,949	108,129	-2.000 %	2.000 %
8	136,348 pla	426.344,239	4.593.369,071	111,839	108,052	-2.000 %	2.000 %
8	140,000	426.347,574	4.593.367,582	111,614	107,902	-2.000 %	2.000 %
8	160,000	426.365,836	4.593.359,428	110,621	107,801	-2.000 %	2.000 %
8	179,633 alz	426.383,764	4.593.351,424	110,036	107,426	-2.000 %	2.000 %
8	180,000	426.384,099	4.593.351,274	110,029	107,421	-2.000 %	2.000 %
8	200,000	426.402,361	4.593.343,120	109,629	107,094	-2.000 %	2.000 %
8	220,000	426.420,623	4.593.334,966	109,229	106,710	-2.000 %	2.000 %
8	240,000	426.438,885	4.593.326,812	108,829	106,302	-2.000 %	2.000 %
8	260,000	426.457,148	4.593.318,658	108,429	106,194	-2.000 %	2.000 %
8	276,240 alz	426.471,977	4.593.312,037	108,104	105,013	-2.000 %	2.000 %

8	280,000	426.475,410	4.593.310,504	108,021	104,844	-2.000 %	2.000 %
8	300,000	426.493,672	4.593.302,350	107,346	104,115	-2.000 %	2.000 %
8	320,000	426.511,935	4.593.294,196	106,271	103,285	-2.000 %	2.000 %
8	322,212 alz	426.513,954	4.593.293,294	106,128	103,193	-2.000 %	2.000 %
8	340,000	426.530,197	4.593.286,042	104,954	102,384	-2.000 %	2.000 %
8	360,000	426.548,459	4.593.277,888	103,635	101,591	-2.000 %	2.000 %
8	380,000	426.566,721	4.593.269,733	102,315	100,657	-2.000 %	2.000 %
8	400,000	426.584,984	4.593.261,579	100,996	99,671	-2.000 %	2.000 %
8	409,987 alz	426.594,103	4.593.257,508	100,337	99,187	-2.000 %	2.000 %
8	420,000	426.603,246	4.593.253,425	99,701	98,653	-2.000 %	2.000 %
8	440,000	426.621,508	4.593.245,271	98,582	97,068	-2.000 %	2.000 %
8	447,825 pla	426.628,653	4.593.242,081	98,199	96,299	-2.000 %	2.000 %
8	460,000	426.639,146	4.593.235,952	97,663	95,813	-2.000 %	2.000 %
8	480,000	426.652,777	4.593.221,463	96,943	96,548	-2.000 %	2.000 %
8	494,295 pla	426.658,961	4.593.208,617	96,552	96,772	-2.000 %	2.000 %
8	500,000	426.660,761	4.593.203,204	96,424	96,618	-2.000 %	2.000 %
8	501,931 alz	426.661,371	4.593.201,371	96,385	96,542	-2.000 %	2.000 %
8	520,000	426.667,072	4.593.184,226	96,023	96,355	-2.000 %	2.000 %
8	540,000	426.673,383	4.593.165,248	95,623	95,903	-2.000 %	2.000 %
8	560,000	426.679,694	4.593.146,269	95,223	95,568	-2.000 %	2.000 %
8	580,000	426.686,005	4.593.127,291	94,823	95,061	-2.000 %	2.000 %
8	584,308 per	426.687,364	4.593.123,204	94,737	94,982	-2.000 %	2.000 %
9	0,000 pla	425.974,592	4.594.000,088	119,883	120,004	-2.000 %	2.000 %
9	15,112 alz	425.986,781	4.593.991,154	119,581	120,067	-2.000 %	2.000 %
9	20,000	425.990,723	4.593.988,265	119,480	120,071	-2.000 %	2.000 %
9	40,000	426.006,854	4.593.976,442	119,006	119,547	-2.000 %	2.000 %
9	55,106 alz	426.019,038	4.593.967,512	118,581	119,035	-2.000 %	2.000 %
9	60,000	426.022,985	4.593.964,619	118,434	118,932	-2.000 %	2.000 %
9	80,000	426.039,116	4.593.952,795	117,834	118,628	-2.000 %	2.000 %
9	96,151 pla	426.052,143	4.593.943,248	117,350	119,392	-2.000 %	2.000 %
9	100,000	426.055,267	4.593.940,999	117,234	119,638	-2.000 %	2.000 %
9	120,000	426.072,104	4.593.930,218	116,634	119,926	-2.000 %	2.000 %
9	140,000	426.089,851	4.593.921,010	116,034	118,943	-2.000 %	2.000 %
9	160,000	426.108,360	4.593.913,451	115,434	117,402	-2.000 %	2.000 %
9	162,175 pla	426.110,412	4.593.912,731	115,369	117,345	-2.000 %	2.000 %
9	180,000	426.127,261	4.593.906,914	114,834	116,841	-2.000 %	2.000 %
9	191,550 alz	426.138,179	4.593.903,146	114,488	115,140	-2.000 %	2.000 %
9	200,000	426.146,167	4.593.900,388	114,245	115,275	-2.000 %	2.000 %
9	220,000	426.165,072	4.593.893,862	113,750	114,908	-2.000 %	2.000 %
9	240,000	426.183,977	4.593.887,336	113,370	114,565	-2.000 %	2.000 %
9	260,000	426.202,883	4.593.880,810	113,104	114,242	-2.000 %	2.000 %
9	263,744 alz	426.206,422	4.593.879,589	113,067	114,174	-2.000 %	2.000 %
9	280,000	426.221,788	4.593.874,284	112,914	114,023	-2.000 %	2.000 %
9	300,000	426.240,693	4.593.867,758	112,727	113,409	-2.000 %	2.000 %
9	320,000	426.259,599	4.593.861,232	112,540	112,819	-2.000 %	2.000 %
9	340,000	426.278,504	4.593.854,706	112,352	113,831	-2.000 %	2.000 %
9	360,000	426.297,409	4.593.848,180	112,165	113,651	-2.000 %	2.000 %
9	380,000	426.316,314	4.593.841,654	111,977	112,725	-2.000 %	2.000 %
9	400,000	426.335,220	4.593.835,128	111,790	111,034	-2.000 %	2.000 %
9	420,000	426.354,125	4.593.828,602	111,602	109,333	-2.000 %	2.000 %
9	440,000	426.373,030	4.593.822,076	111,415	108,314	-2.000 %	2.000 %

9	460,000	426.391,936	4.593.815,550	111,228	107,796	-2.000 %	2.000 %
9	480,000	426.410,841	4.593.809,024	111,040	107,452	-2.000 %	2.000 %
9	489,610 per	426.419,925	4.593.805,888	110,950	107,502	-2.000 %	2.000 %
10	0,000 pla	426.372,008	4.594.259,133	115,580	112,935	-2.000 %	2.000 %
10	20,000	426.387,451	4.594.246,424	115,077	112,381	-2.000 %	2.000 %
10	40,000	426.402,894	4.594.233,715	114,574	112,185	-2.000 %	2.000 %
10	60,000	426.418,337	4.594.221,007	114,071	111,754	-2.000 %	2.000 %
10	80,000	426.433,780	4.594.208,298	113,569	110,800	-2.000 %	2.000 %
10	100,000	426.449,223	4.594.195,589	113,066	110,116	-2.000 %	2.000 %
10	120,000	426.464,667	4.594.182,881	112,563	109,562	-2.000 %	2.000 %
10	140,000	426.480,110	4.594.170,172	112,060	109,014	-2.000 %	2.000 %
10	140,524 alz	426.480,514	4.594.169,839	112,047	108,999	-2.000 %	2.000 %
10	160,000	426.495,553	4.594.157,463	111,435	108,395	-2.000 %	2.000 %
10	180,000	426.510,996	4.594.144,755	110,806	107,811	-2.000 %	2.000 %
10	200,000	426.526,439	4.594.132,046	110,177	107,055	-2.000 %	2.000 %
10	220,000	426.541,882	4.594.119,337	109,548	106,393	-2.000 %	2.000 %
10	240,000	426.557,325	4.594.106,629	108,919	105,763	-2.000 %	2.000 %
10	260,000	426.572,768	4.594.093,920	108,290	105,087	-2.000 %	2.000 %
10	280,000	426.588,212	4.594.081,211	107,661	104,089	-2.000 %	2.000 %
10	300,000	426.603,655	4.594.068,503	107,033	103,540	-2.000 %	2.000 %
10	320,000	426.619,098	4.594.055,794	106,404	102,856	-2.000 %	2.000 %
10	321,415 pla	426.620,190	4.594.054,895	106,359	102,816	-2.000 %	2.000 %
10	340,000	426.633,584	4.594.042,036	105,775	102,205	-2.000 %	2.000 %
10	360,000	426.645,625	4.594.026,096	105,146	101,437	-2.000 %	2.000 %
10	370,648 pla	426.650,922	4.594.016,863	104,811	101,072	-2.000 %	2.000 %
10	370,717 alz	426.650,953	4.594.016,802	104,809	101,071	-2.000 %	2.000 %
10	380,000	426.655,216	4.594.008,554	104,373	100,758	-2.000 %	2.000 %
10	383,784 alz	426.656,953	4.594.005,193	104,114	100,651	-2.000 %	2.000 %
10	400,000	426.664,398	4.593.990,787	102,897	100,154	-2.000 %	2.000 %
10	420,000	426.673,581	4.593.973,020	101,397	99,470	-2.000 %	2.000 %
10	440,000	426.682,764	4.593.955,252	99,897	98,568	-2.000 %	2.000 %
10	460,000	426.691,946	4.593.937,485	98,397	96,568	-2.000 %	2.000 %
10	472,737 alz	426.697,794	4.593.926,170	97,442	95,568	-2.000 %	2.000 %
10	480,000	426.701,129	4.593.919,718	96,982	95,068	-2.000 %	2.000 %
10	498,371 alz	426.709,564	4.593.903,398	96,576	93,860	-2.000 %	2.000 %
10	498,853 pla	426.709,785	4.593.902,970	96,580	93,670	-2.000 %	2.000 %
11	0,000 pla	426.545,886	4.593.986,351	102,670	97,068	2.000 %	2.000 %
11	20,000	426.556,303	4.594.003,423	103,686	97,576	2.000 %	2.000 %
11	40,000	426.566,720	4.594.020,496	104,702	99,454	2.000 %	2.000 %
11	60,000	426.577,137	4.594.037,569	105,718	101,463	2.000 %	2.000 %
11	80,000	426.587,555	4.594.054,642	106,734	103,600	2.000 %	2.000 %
11	91,043 per	426.593,306	4.594.064,068	107,295	103,654	2.000 %	2.000 %
13	0,000 pla	426.385,788	4.594.374,376	124,603	123,085	-2.000 %	2.000 %
13	0,738 alz	426.386,344	4.594.373,891	124,588	123,109	-2.000 %	2.000 %
13	20,000	426.400,864	4.594.361,234	124,126	123,886	-2.000 %	2.000 %
13	40,000	426.415,940	4.594.348,092	123,482	124,418	-2.000 %	2.000 %
13	48,733 alz	426.422,523	4.594.342,353	123,148	124,579	-2.000 %	2.000 %
13	60,000	426.431,016	4.594.334,950	122,698	124,693	-2.000 %	2.000 %
13	80,000	426.446,092	4.594.321,808	121,898	124,282	-2.000 %	2.000 %
13	100,000	426.461,168	4.594.308,666	121,098	123,600	-2.000 %	2.000 %
13	120,000	426.476,244	4.594.295,524	120,298	122,833	-2.000 %	2.000 %

13	140,000	426.491,320	4.594.282,382	119,498	120,970	-2.000 %	2.000 %
13	144,994 alz	426.495,085	4.594.279,100	119,298	120,493	-2.000 %	2.000 %
13	160,000	426.506,396	4.594.269,240	118,735	118,915	-2.000 %	2.000 %
13	180,000	426.521,472	4.594.256,098	118,102	116,952	-2.000 %	2.000 %
13	200,000	426.536,548	4.594.242,956	117,602	114,985	-2.000 %	2.000 %
13	204,994 alz	426.540,313	4.594.239,674	117,498	114,712	-2.000 %	2.000 %
13	220,000	426.551,624	4.594.229,814	117,198	113,820	-2.000 %	2.000 %
13	224,314 alz	426.554,877	4.594.226,979	117,111	113,589	-2.000 %	2.000 %
13	240,000	426.566,701	4.594.216,672	116,675	112,692	-2.000 %	2.000 %
13	249,814 alz	426.574,099	4.594.210,223	116,276	112,234	-2.000 %	2.000 %
13	260,000	426.581,777	4.594.203,530	115,813	111,720	-2.000 %	2.000 %
13	280,000	426.596,853	4.594.190,388	114,903	110,691	-2.000 %	2.000 %
13	300,000	426.611,929	4.594.177,246	113,993	109,702	-2.000 %	2.000 %
13	320,000	426.627,005	4.594.164,104	113,083	108,824	-2.000 %	2.000 %
13	340,000	426.642,081	4.594.150,962	112,173	107,922	-2.000 %	2.000 %
13	346,906 pla	426.647,287	4.594.146,424	111,859	107,548	-2.000 %	2.000 %
13	360,000	426.657,094	4.594.137,748	111,263	106,940	-2.000 %	2.000 %
13	380,000	426.671,828	4.594.124,224	110,353	105,988	-2.000 %	2.000 %
13	400,000	426.686,257	4.594.110,376	109,443	104,753	-2.000 %	2.000 %
13	402,434 alz	426.687,992	4.594.108,669	109,332	104,599	-2.000 %	2.000 %
13	420,000	426.700,375	4.594.096,211	108,597	103,650	-2.000 %	2.000 %
13	440,000	426.714,175	4.594.081,735	107,917	102,820	-2.000 %	2.000 %
13	460,000	426.727,650	4.594.066,956	107,403	102,119	-2.000 %	2.000 %
13	463,634 alz	426.730,063	4.594.064,239	107,328	102,011	-2.000 %	2.000 %
13	480,000	426.740,793	4.594.051,882	107,000	101,219	-2.000 %	2.000 %
13	486,625 alz	426.745,073	4.594.046,824	106,868	100,982	-2.000 %	2.000 %
13	500,000	426.753,598	4.594.036,519	106,565	100,463	-2.000 %	2.000 %
13	520,000	426.766,059	4.594.020,875	105,978	99,066	-2.000 %	2.000 %
13	536,625 alz	426.776,150	4.594.007,663	105,368	97,941	-2.000 %	2.000 %
13	540,000	426.778,169	4.594.004,959	105,233	97,721	-2.000 %	2.000 %
13	560,000	426.789,922	4.593.988,777	104,433	96,330	-2.000 %	2.000 %
13	580,000	426.801,312	4.593.972,338	103,633	95,347	-2.000 %	2.000 %
13	599,377 alz	426.811,997	4.593.956,174	102,858	94,520	-2.000 %	2.000 %
13	600,000	426.812,335	4.593.955,650	102,833	94,504	-2.000 %	2.000 %
13	620,000	426.822,984	4.593.938,721	102,076	93,732	-2.000 %	2.000 %
13	640,000	426.833,254	4.593.921,560	101,398	92,678	-2.000 %	2.000 %
13	660,000	426.843,141	4.593.904,175	100,801	92,568	-2.000 %	2.000 %
13	675,740 pla	426.850,648	4.593.890,341	100,387	92,068	-2.000 %	2.000 %
13	680,000	426.852,638	4.593.886,575	100,283	92,068	-2.000 %	2.000 %
13	700,000	426.861,766	4.593.868,779	99,845	92,068	-2.000 %	2.000 %
13	720,000	426.870,594	4.593.850,833	99,488	91,741	-2.000 %	2.000 %
13	740,000	426.879,200	4.593.832,780	99,210	91,068	-2.000 %	2.000 %
13	749,377 alz	426.883,181	4.593.824,290	99,108	91,844	-2.000 %	2.000 %
13	760,000	426.887,664	4.593.814,659	99,002	92,009	-2.000 %	2.000 %
13	775,074 pla	426.893,998	4.593.800,980	98,851	92,293	-2.000 %	2.000 %
13	780,000	426.896,066	4.593.796,510	98,802	92,468	-2.000 %	2.000 %
13	800,000	426.904,463	4.593.778,358	98,602	92,862	-2.000 %	2.000 %
13	820,000	426.912,860	4.593.760,206	98,402	93,388	-2.000 %	2.000 %
13	840,000	426.921,257	4.593.742,054	98,202	94,483	-2.000 %	2.000 %
13	860,000	426.929,654	4.593.723,902	98,002	95,346	-2.000 %	2.000 %
13	880,000	426.938,051	4.593.705,750	97,802	95,711	-2.000 %	2.000 %

13	900,000	426.946,448	4.593.687,598	97,602	95,503	-2.000 %	2.000 %
13	920,000	426.954,845	4.593.669,446	97,402	95,201	-2.000 %	2.000 %
13	940,000	426.963,242	4.593.651,294	97,202	94,937	-2.000 %	2.000 %
13	950,937 alz	426.967,834	4.593.641,368	97,092	94,651	-2.000 %	2.000 %
13	960,000	426.971,639	4.593.633,143	96,991	93,784	-2.000 %	2.000 %
13	980,000	426.980,036	4.593.614,991	96,688	96,526	-2.000 %	2.000 %
13	992,601 alz	426.985,326	4.593.603,554	96,441	96,184	-2.000 %	2.000 %
13	1.000,000	426.988,433	4.593.596,839	96,284	95,732	-2.000 %	2.000 %
13	1.020,000	426.996,830	4.593.578,687	95,859	95,633	-2.000 %	2.000 %
13	1.040,000	427.005,227	4.593.560,535	95,433	95,189	-2.000 %	2.000 %
13	1.060,000	427.013,623	4.593.542,383	95,008	94,713	-2.000 %	2.000 %
13	1.080,000	427.022,020	4.593.524,231	94,583	94,222	-2.000 %	2.000 %
13	1.100,000	427.030,417	4.593.506,079	94,158	93,721	-2.000 %	2.000 %
13	1.120,000	427.038,814	4.593.487,927	93,733	93,568	-2.000 %	2.000 %
13	1.140,000	427.047,211	4.593.469,775	93,307	92,871	-2.000 %	2.000 %
13	1.160,000	427.055,608	4.593.451,623	92,882	92,670	-2.000 %	2.000 %
13	1.180,000	427.064,005	4.593.433,472	92,457	92,177	-2.000 %	2.000 %
13	1.200,000	427.072,402	4.593.415,320	92,032	91,707	-2.000 %	2.000 %
13	1.220,000	427.080,799	4.593.397,168	91,607	91,223	-2.000 %	2.000 %
13	1.240,000	427.089,196	4.593.379,016	91,181	90,764	-2.000 %	2.000 %
13	1.260,000	427.097,593	4.593.360,864	90,756	90,681	-2.000 %	2.000 %
13	1.280,000	427.105,990	4.593.342,712	90,331	90,167	-2.000 %	2.000 %
13	1.300,000	427.114,387	4.593.324,560	89,906	89,689	-2.000 %	2.000 %
13	1.320,000	427.122,783	4.593.306,408	89,481	89,204	-2.000 %	2.000 %
13	1.340,000	427.131,180	4.593.288,256	89,055	89,175	-2.000 %	2.000 %
13	1.357,936 alz	427.138,711	4.593.271,978	88,674	88,684	-2.000 %	2.000 %
13	1.360,000	427.139,577	4.593.270,104	88,631	88,676	-2.000 %	2.000 %
13	1.370,960 pla	427.144,179	4.593.260,157	88,420	88,413	-2.000 %	2.000 %
13	1.380,000	427.147,929	4.593.251,932	88,271	88,156	-2.000 %	2.000 %
13	1.399,599 alz	427.155,744	4.593.233,958	88,023	88,270	-2.000 %	2.000 %
13	1.400,000	427.155,899	4.593.233,589	88,019	88,268	-2.000 %	2.000 %
13	1.420,000	427.163,417	4.593.215,056	87,819	88,068	-2.000 %	2.000 %
13	1.440,000	427.170,478	4.593.196,345	87,619	87,868	-2.000 %	2.000 %
13	1.460,000	427.177,078	4.593.177,466	87,419	87,633	-2.000 %	2.000 %
13	1.480,000	427.183,212	4.593.158,430	87,219	87,182	-2.000 %	2.000 %
13	1.500,000	427.188,877	4.593.139,250	87,019	87,166	-2.000 %	2.000 %
13	1.520,000	427.194,071	4.593.119,936	86,819	86,743	-2.000 %	2.000 %
13	1.533,305 pla	427.197,262	4.593.107,020	86,686	86,759	-2.000 %	2.000 %
13	1.540,000	427.198,815	4.593.100,507	86,619	86,763	-2.000 %	2.000 %
13	1.560,000	427.203,454	4.593.081,053	86,419	86,487	-2.000 %	2.000 %
13	1.580,000	427.208,093	4.593.061,598	86,219	86,237	-2.000 %	2.000 %
13	1.600,000	427.212,732	4.593.042,144	86,019	85,568	-2.000 %	2.000 %
13	1.602,941 pla	427.213,414	4.593.039,283	85,989	85,411	-2.000 %	2.000 %
14	0,000 pla	426.416,939	4.594.453,920	126,236	129,259	0.000 %	0.000 %
14	20,000	426.428,262	4.594.437,434	125,633	128,568	0.279 %	0.000 %
14	40,000	426.439,586	4.594.420,948	125,029	127,568	0.558 %	0.000 %
14	42,944 per	426.441,253	4.594.418,521	124,940	127,568	0.599 %	0.000 %
14	44,881 per	426.442,349	4.594.416,925	124,882	127,568	0.569 %	0.000 %
14	45,849 per	426.442,897	4.594.416,126	124,853	127,483	0.554 %	0.000 %
14	46,818 per	426.443,446	4.594.415,328	124,824	127,386	0.541 %	0.000 %
14	47,786 per	426.443,994	4.594.414,530	124,794	127,289	0.527 %	0.000 %

14	47,891 per	426.444,053	4.594.414,444	124,791	127,279	0.526 %	0.000 %
14	48,755 per	426.444,542	4.594.413,732	124,765	127,193	0.515 %	0.000 %
14	49,723 per	426.445,090	4.594.412,933	124,736	127,096	0.503 %	0.000 %
14	49,863 per	426.445,170	4.594.412,818	124,732	127,082	0.502 %	0.000 %
14	50,691 per	426.445,639	4.594.412,135	124,707	127,068	0.493 %	0.000 %
14	51,660 per	426.446,187	4.594.411,337	124,678	127,068	0.483 %	0.000 %
14	52,581 per	426.446,709	4.594.410,578	124,650	127,068	0.474 %	0.000 %
14	52,628 per	426.446,735	4.594.410,539	124,648	127,068	0.473 %	0.000 %
14	53,597 per	426.447,284	4.594.409,740	124,619	127,068	0.465 %	0.000 %
14	54,565 per	426.447,832	4.594.408,942	124,590	127,068	0.457 %	0.000 %
14	55,533 per	426.448,380	4.594.408,144	124,561	127,068	0.450 %	0.000 %
14	56,502 per	426.448,929	4.594.407,346	124,531	127,068	0.444 %	0.000 %
14	57,270 per	426.449,363	4.594.406,713	124,508	127,068	0.439 %	0.000 %
14	57,470 per	426.449,477	4.594.406,547	124,502	127,068	0.438 %	0.000 %
14	58,439 per	426.450,025	4.594.405,749	124,473	127,068	0.433 %	0.000 %
14	59,407 per	426.450,573	4.594.404,951	124,444	127,068	0.430 %	0.000 %
14	60,000	426.450,909	4.594.404,462	124,426	127,068	0.428 %	0.000 %
14	60,376 per	426.451,122	4.594.404,152	124,415	127,068	0.426 %	0.000 %
14	61,344 per	426.451,670	4.594.403,354	124,385	127,068	0.424 %	0.000 %
14	61,959 per	426.452,018	4.594.402,847	124,367	127,068	0.424 %	0.000 %
14	62,313 per	426.452,218	4.594.402,556	124,356	127,068	0.423 %	0.000 %
14	63,281 per	426.452,767	4.594.401,758	124,327	127,068	0.423 %	0.000 %
14	64,249 per	426.453,315	4.594.400,959	124,298	127,068	0.424 %	0.000 %
14	65,218 per	426.453,863	4.594.400,161	124,268	127,068	0.425 %	0.000 %
14	66,186 per	426.454,411	4.594.399,363	124,239	127,068	0.428 %	0.000 %
14	66,648 per	426.454,673	4.594.398,982	124,225	127,068	0.429 %	0.000 %
14	66,898 per	426.454,814	4.594.398,776	124,218	127,068	0.430 %	0.000 %
14	67,155 per	426.454,960	4.594.398,565	124,210	127,068	0.431 %	0.000 %
14	68,123 per	426.455,508	4.594.397,766	124,181	127,068	0.435 %	0.000 %
14	68,245 per	426.455,577	4.594.397,666	124,177	127,068	0.436 %	0.000 %
14	69,091 per	426.456,056	4.594.396,968	124,152	127,068	0.440 %	0.000 %
14	70,060 per	426.456,605	4.594.396,170	124,122	127,068	0.447 %	0.000 %
14	71,028 per	426.457,153	4.594.395,372	124,093	127,068	0.454 %	0.000 %
14	71,337 per	426.457,328	4.594.395,117	124,084	127,068	0.457 %	0.000 %
14	71,997 per	426.457,701	4.594.394,573	124,064	127,068	0.463 %	0.000 %
14	72,965 per	426.458,249	4.594.393,775	124,035	127,068	0.472 %	0.000 %
14	73,933 per	426.458,798	4.594.392,977	124,006	127,068	0.483 %	0.000 %
14	74,902 per	426.459,346	4.594.392,179	123,976	127,068	0.494 %	0.000 %
14	75,870 per	426.459,894	4.594.391,380	123,947	127,068	0.507 %	0.000 %
14	76,026 per	426.459,982	4.594.391,252	123,942	127,068	0.509 %	0.000 %
14	76,839 per	426.460,443	4.594.390,582	123,918	127,068	0.521 %	0.000 %
14	77,807 per	426.460,991	4.594.389,784	123,889	127,068	0.536 %	0.000 %
14	78,776 per	426.461,539	4.594.388,985	123,859	127,068	0.552 %	0.000 %
14	79,744 per	426.462,087	4.594.388,187	123,830	127,068	0.569 %	0.000 %
14	80,000	426.462,232	4.594.387,976	123,823	127,068	0.574 %	0.000 %
14	80,712 per	426.462,636	4.594.387,389	123,801	127,068	0.588 %	0.000 %
14	80,715 per	426.462,637	4.594.387,387	123,801	127,068	0.588 %	0.000 %
14	81,681 per	426.463,184	4.594.386,591	123,772	127,068	0.608 %	0.000 %
14	82,649 per	426.463,732	4.594.385,792	123,743	127,068	0.629 %	0.000 %
14	83,618 per	426.464,280	4.594.384,994	123,713	127,068	0.651 %	0.000 %
14	84,586 per	426.464,829	4.594.384,196	123,684	127,068	0.674 %	0.000 %

14	85,404 per	426.465,292	4.594.383,521	123,659	127,068	0.696 %	0.000 %
14	85,555 per	426.465,377	4.594.383,398	123,655	127,068	0.699 %	0.000 %
14	86,523 per	426.465,925	4.594.382,599	123,626	127,068	0.726 %	0.000 %
14	87,491 per	426.466,474	4.594.381,801	123,597	127,068	0.753 %	0.000 %
14	88,460 per	426.467,022	4.594.381,003	123,567	127,068	0.782 %	0.000 %
14	89,428 per	426.467,570	4.594.380,205	123,538	127,068	0.813 %	0.000 %
14	90,094 per	426.467,947	4.594.379,656	123,518	127,068	0.835 %	0.000 %
14	90,138 per	426.467,972	4.594.379,620	123,517	127,068	0.836 %	0.000 %
14	90,397 per	426.468,119	4.594.379,406	123,509	127,068	0.845 %	0.000 %
14	90,712 per	426.468,297	4.594.379,146	123,499	127,068	0.855 %	0.000 %
14	91,365 per	426.468,667	4.594.378,608	123,480	127,068	0.877 %	0.000 %
14	91,818 alz	426.468,923	4.594.378,235	123,466	127,068	0.897 %	0.000 %
14	92,333 per	426.469,215	4.594.377,810	123,454	127,068	0.919 %	0.000 %
14	93,302 per	426.469,763	4.594.377,012	123,431	127,068	0.970 %	0.000 %
14	94,270 per	426.470,312	4.594.376,213	123,409	127,068	1.021 %	0.000 %
14	94,783 per	426.470,602	4.594.375,791	123,397	127,068	1.048 %	0.000 %
14	95,239 per	426.470,860	4.594.375,415	123,386	127,068	1.073 %	0.000 %
14	96,207 per	426.471,408	4.594.374,617	123,363	127,068	1.126 %	0.000 %
14	97,176 per	426.471,956	4.594.373,819	123,341	127,068	1.179 %	0.000 %
14	98,144 per	426.472,505	4.594.373,020	123,318	127,068	1.233 %	0.000 %
14	99,112 per	426.473,053	4.594.372,222	123,295	127,068	1.288 %	0.000 %
14	99,472 per	426.473,256	4.594.371,926	123,287	127,068	1.308 %	0.000 %
14	100,000	426.473,556	4.594.371,490	123,275	127,068	1.338 %	0.000 %
14	100,081 per	426.473,601	4.594.371,424	123,273	127,068	1.343 %	0.000 %
14	101,049 per	426.474,150	4.594.370,626	123,250	127,068	1.399 %	0.000 %
14	102,018 per	426.474,698	4.594.369,827	123,227	127,068	1.457 %	0.000 %
14	102,986 per	426.475,246	4.594.369,029	123,205	127,068	1.514 %	0.000 %
14	103,955 per	426.475,794	4.594.368,231	123,182	127,068	1.573 %	0.000 %
14	104,162 per	426.475,912	4.594.368,060	123,177	127,068	1.585 %	0.000 %
14	104,657 per	426.476,192	4.594.367,652	123,166	127,068	1.628 %	0.000 %
14	104,658 per	426.476,193	4.594.367,651	123,166	127,068	1.565 %	0.000 %
14	104,923 per	426.476,343	4.594.367,433	123,159	127,068	1.632 %	0.000 %
14	105,891 per	426.476,891	4.594.366,634	123,137	127,055	1.693 %	0.000 %
14	106,860 per	426.477,439	4.594.365,836	123,114	127,041	1.753 %	0.000 %
14	107,828 per	426.477,988	4.594.365,038	123,091	127,027	1.816 %	0.000 %
14	108,525 alz	426.478,382	4.594.364,463	123,075	127,016	1.849 %	0.000 %
14	108,797 per	426.478,536	4.594.364,239	123,063	127,012	1.862 %	0.000 %
14	108,851 per	426.478,567	4.594.364,195	123,061	127,012	1.862 %	0.000 %
14	109,765 per	426.479,084	4.594.363,441	123,020	126,998	1.867 %	0.000 %
14	110,733 per	426.479,632	4.594.362,643	122,977	126,962	1.871 %	0.000 %
14	111,702 per	426.480,181	4.594.361,845	122,934	126,872	1.876 %	0.000 %
14	112,670 per	426.480,729	4.594.361,046	122,891	126,783	1.880 %	0.000 %
14	113,540 per	426.481,221	4.594.360,330	122,853	126,703	1.885 %	0.000 %
14	113,639 per	426.481,277	4.594.360,248	122,849	126,694	1.885 %	0.000 %
14	114,607 per	426.481,826	4.594.359,450	122,806	126,604	1.890 %	0.000 %
14	115,575 per	426.482,374	4.594.358,652	122,763	126,568	1.895 %	0.000 %
14	116,544 per	426.482,922	4.594.357,853	122,720	126,568	1.900 %	0.000 %
14	117,512 per	426.483,470	4.594.357,055	122,677	126,568	1.905 %	0.000 %
14	118,229 per	426.483,876	4.594.356,464	122,645	126,568	1.909 %	0.000 %
14	118,481 per	426.484,019	4.594.356,257	122,634	126,568	1.911 %	0.000 %
14	118,638 per	426.484,108	4.594.356,128	122,627	126,568	1.911 %	0.000 %



14	119,449 per	426.484,567	4.594.355,459	122,591	126,568	1.916 %	0.000 %
14	120,000	426.484,879	4.594.355,005	122,567	126,568	1.919 %	0.000 %
14	120,418 per	426.485,115	4.594.354,660	122,548	126,539	1.921 %	0.000 %
14	121,386 per	426.485,664	4.594.353,862	122,506	126,472	1.926 %	0.000 %
14	122,354 per	426.486,212	4.594.353,064	122,463	126,405	1.932 %	0.000 %
14	122,918 per	426.486,531	4.594.352,599	122,438	126,366	1.935 %	0.000 %
14	123,323 per	426.486,760	4.594.352,266	122,420	126,338	1.938 %	0.000 %
14	124,291 per	426.487,308	4.594.351,467	122,377	126,271	1.943 %	0.000 %
14	125,260 per	426.487,857	4.594.350,669	122,334	126,141	1.949 %	0.000 %
14	126,228 per	426.488,405	4.594.349,871	122,291	125,838	1.955 %	0.000 %
14	127,197 per	426.488,953	4.594.349,073	122,248	125,535	1.961 %	0.000 %
14	127,607 per	426.489,186	4.594.348,734	122,230	125,406	1.963 %	0.000 %
14	128,165 per	426.489,502	4.594.348,274	122,205	125,231	1.967 %	0.000 %
14	129,133 per	426.490,050	4.594.347,476	122,163	124,928	1.973 %	0.000 %
14	130,102 per	426.490,598	4.594.346,678	122,120	124,624	1.980 %	0.000 %
14	130,998 per	426.491,105	4.594.345,939	122,080	124,340	2.073 %	0.000 %
14	131,070 per	426.491,146	4.594.345,879	122,077	124,317	1.986 %	0.000 %
14	132,039 per	426.491,695	4.594.345,081	122,034	124,009	1.992 %	0.000 %
14	132,296 per	426.491,841	4.594.344,869	122,023	123,927	1.994 %	0.000 %
14	133,007 per	426.492,243	4.594.344,283	121,991	123,701	1.999 %	0.000 %
14	133,976 per	426.492,791	4.594.343,485	121,948	123,394	2.006 %	0.000 %
14	134,944 per	426.493,340	4.594.342,686	121,905	123,086	2.013 %	0.000 %
14	135,912 per	426.493,888	4.594.341,888	121,862	123,068	2.019 %	0.000 %
14	136,881 per	426.494,436	4.594.341,090	121,820	123,068	2.027 %	0.000 %
14	136,985 per	426.494,495	4.594.341,004	121,815	123,068	2.027 %	0.000 %
14	137,849 per	426.494,984	4.594.340,292	121,777	123,068	2.034 %	0.000 %
14	138,818 per	426.495,533	4.594.339,493	121,734	123,068	2.042 %	0.000 %
14	139,786 per	426.496,081	4.594.338,695	121,691	123,068	2.049 %	0.000 %
14	140,000	426.496,202	4.594.338,519	121,681	123,068	2.051 %	0.000 %
14	140,754 per	426.496,629	4.594.337,897	121,648	123,015	2.056 %	0.000 %
14	141,674 per	426.497,150	4.594.337,138	121,607	122,950	2.064 %	0.000 %
14	141,723 per	426.497,178	4.594.337,099	121,605	122,947	2.064 %	0.000 %
14	142,086 per	426.497,383	4.594.336,799	121,589	122,921	2.067 %	0.000 %
14	142,691 per	426.497,726	4.594.336,300	121,562	122,878	2.072 %	0.000 %
14	143,660 per	426.498,274	4.594.335,502	121,519	122,810	2.081 %	0.000 %
14	144,628 per	426.498,822	4.594.334,704	121,477	122,742	2.089 %	0.000 %
14	145,597 per	426.499,371	4.594.333,906	121,434	122,698	2.097 %	0.000 %
14	146,363 per	426.499,805	4.594.333,273	121,400	122,675	2.104 %	0.000 %
14	146,565 per	426.499,919	4.594.333,107	121,391	122,669	2.106 %	0.000 %
14	147,533 per	426.500,467	4.594.332,309	121,348	122,641	2.115 %	0.000 %
14	148,502 per	426.501,015	4.594.331,511	121,305	122,612	2.124 %	0.000 %
14	149,470 per	426.501,564	4.594.330,713	121,262	122,584	2.133 %	0.000 %
14	150,439 per	426.502,112	4.594.329,914	121,219	122,568	2.142 %	0.000 %
14	151,053 per	426.502,460	4.594.329,408	121,192	122,568	2.148 %	0.000 %
14	151,407 per	426.502,660	4.594.329,116	121,176	122,568	2.152 %	0.000 %
14	152,375 per	426.503,209	4.594.328,318	121,133	122,568	2.162 %	0.000 %
14	153,344 per	426.503,757	4.594.327,519	121,091	122,568	2.171 %	0.000 %
14	154,312 per	426.504,305	4.594.326,721	121,048	122,568	2.182 %	0.000 %
14	155,281 per	426.504,854	4.594.325,923	121,005	122,575	2.192 %	0.000 %
14	155,743 per	426.505,115	4.594.325,542	120,984	122,585	2.197 %	0.000 %
14	156,249 per	426.505,402	4.594.325,125	120,962	122,597	2.203 %	0.000 %

14	157,218 per	426.505,950	4.594.324,326	120,919	122,620	2.214 %	0.000 %
14	158,186 per	426.506,498	4.594.323,528	120,876	122,643	2.225 %	0.000 %
14	159,154 per	426.507,047	4.594.322,730	120,833	122,665	2.236 %	0.000 %
14	160,000	426.507,525	4.594.322,033	120,796	122,685	2.247 %	0.000 %
14	160,123 per	426.507,595	4.594.321,932	120,790	122,718	2.248 %	0.000 %
14	160,432 per	426.507,770	4.594.321,677	120,777	122,799	2.252 %	0.000 %
14	161,091 per	426.508,143	4.594.321,133	120,748	122,980	2.260 %	0.000 %
14	162,060 per	426.508,691	4.594.320,335	120,705	123,246	2.272 %	0.000 %
14	163,028 per	426.509,240	4.594.319,537	120,662	123,513	2.285 %	0.000 %
14	163,996 per	426.509,788	4.594.318,739	120,619	123,779	2.298 %	0.000 %
14	164,965 per	426.510,336	4.594.317,940	120,576	124,045	2.311 %	0.000 %
14	165,121 per	426.510,425	4.594.317,812	120,569	124,078	2.313 %	0.000 %
14	165,533 per	426.510,658	4.594.317,472	120,551	124,158	2.319 %	0.000 %
14	165,933 per	426.510,885	4.594.317,142	120,533	124,236	2.324 %	0.000 %
14	166,902 per	426.511,433	4.594.316,344	120,490	124,424	2.338 %	0.000 %
14	167,870 per	426.511,981	4.594.315,546	120,447	124,568	2.353 %	0.000 %
14	168,839 per	426.512,529	4.594.314,747	120,405	124,568	2.367 %	0.000 %
14	169,807 per	426.513,078	4.594.313,949	120,362	124,568	2.382 %	0.000 %
14	169,810 per	426.513,079	4.594.313,947	120,362	124,568	2.382 %	0.000 %
14	170,775 per	426.513,626	4.594.313,151	120,319	124,490	2.397 %	0.000 %
14	171,744 per	426.514,174	4.594.312,353	120,276	124,394	2.413 %	0.000 %
14	172,286 per	426.514,481	4.594.311,906	120,252	124,339	2.423 %	0.000 %
14	172,712 per	426.514,723	4.594.311,554	120,233	124,297	2.430 %	0.000 %
14	173,681 per	426.515,271	4.594.310,756	120,190	124,200	2.446 %	0.000 %
14	174,499 per	426.515,734	4.594.310,082	120,154	124,118	2.461 %	0.000 %
14	174,649 per	426.515,819	4.594.309,958	120,147	124,103	2.463 %	0.000 %
14	175,618 per	426.516,367	4.594.309,159	120,104	124,006	2.481 %	0.000 %
14	176,586 per	426.516,916	4.594.308,361	120,062	123,909	2.500 %	0.000 %
14	177,554 per	426.517,464	4.594.307,563	120,019	123,813	2.519 %	0.000 %
14	178,523 per	426.518,012	4.594.306,765	119,976	123,716	2.537 %	0.000 %
14	179,188 per	426.518,389	4.594.306,216	119,946	123,649	2.551 %	0.000 %
14	179,491 per	426.518,561	4.594.305,966	119,933	123,619	2.557 %	0.000 %
14	180,000	426.518,849	4.594.305,547	119,910	123,568	2.568 %	0.000 %
14	180,460 per	426.519,109	4.594.305,168	119,890	123,516	2.578 %	0.000 %
14	181,428 per	426.519,657	4.594.304,370	119,847	123,408	2.599 %	0.000 %
14	182,396 per	426.520,205	4.594.303,572	119,804	123,299	2.621 %	0.000 %
14	183,359 per	426.520,750	4.594.302,778	119,762	123,191	2.644 %	0.000 %
14	183,365 per	426.520,754	4.594.302,773	119,761	123,190	2.644 %	0.000 %
14	183,877 per	426.521,044	4.594.302,351	119,739	123,133	2.656 %	0.000 %
14	184,333 per	426.521,302	4.594.301,975	119,719	123,082	2.666 %	0.000 %
14	185,302 per	426.521,850	4.594.301,177	119,676	122,980	2.687 %	0.000 %
14	186,270 per	426.522,399	4.594.300,379	119,633	122,893	2.706 %	0.000 %
14	187,239 per	426.522,947	4.594.299,580	119,590	122,807	2.723 %	0.000 %
14	188,207 per	426.523,495	4.594.298,782	119,547	122,721	2.739 %	0.000 %
14	188,566 per	426.523,699	4.594.298,486	119,531	122,688	2.744 %	0.000 %
14	189,175 per	426.524,043	4.594.297,984	119,504	122,634	2.753 %	0.000 %
14	190,144 per	426.524,592	4.594.297,186	119,461	122,540	2.765 %	0.000 %
14	191,112 per	426.525,140	4.594.296,387	119,418	122,401	2.774 %	0.000 %
14	192,081 per	426.525,688	4.594.295,589	119,376	122,261	2.782 %	0.000 %
14	193,049 per	426.526,237	4.594.294,791	119,333	122,136	2.787 %	0.000 %
14	193,255 per	426.526,353	4.594.294,621	119,324	122,114	2.788 %	0.000 %

14	194,017 per	426.526,785	4.594.293,993	119,290	122,030	2.790 %	0.000 %
14	194,064 per	426.526,811	4.594.293,954	119,288	122,025	0.000 %	0.000 %
14	194,943 per	426.527,309	4.594.293,230	119,249	121,929	-53.046 %	0.000 %
14	194,984 per	426.527,332	4.594.293,196	119,247	121,925	0.000 %	0.000 %
14	194,986 per	426.527,333	4.594.293,194	119,247	121,924	2.790 %	0.000 %
14	195,729 per	426.527,754	4.594.292,582	119,214	121,819	2.789 %	0.000 %
14	195,954 per	426.527,881	4.594.292,396	119,204	121,787	2.787 %	0.000 %
14	196,248 per	426.528,048	4.594.292,154	119,191	121,745	3.032 %	0.000 %
15	0,000 pla	423.523,032	4.593.265,940	147,750	151,068	-2.000 %	2.000 %
15	1,500 alz	423.524,517	4.593.265,726	147,720	151,068	-2.000 %	2.000 %
15	20,000	423.542,829	4.593.263,095	147,264	152,068	-2.000 %	2.000 %
15	23,164 pla	423.545,960	4.593.262,645	147,169	149,537	-2.000 %	2.000 %
15	38,500 alz	423.561,175	4.593.260,723	146,638	146,763	-2.000 %	2.000 %
15	40,000	423.562,666	4.593.260,563	146,580	146,762	-2.000 %	2.000 %
15	60,000	423.582,595	4.593.258,903	145,810	147,323	-2.000 %	2.000 %
15	80,000	423.602,579	4.593.258,130	145,040	141,568	-2.000 %	2.000 %
15	100,000	423.622,577	4.593.258,247	144,270	141,568	-2.000 %	2.000 %
15	120,000	423.642,550	4.593.259,251	143,500	140,928	-2.000 %	2.000 %
15	140,000	423.662,459	4.593.261,142	142,730	141,010	-2.000 %	2.000 %
15	160,000	423.682,264	4.593.263,916	141,960	141,030	-2.000 %	2.000 %
15	180,000	423.701,926	4.593.267,567	141,190	141,068	-2.000 %	2.000 %
15	200,000	423.721,407	4.593.272,087	140,420	141,087	-2.000 %	2.000 %
15	220,000	423.740,667	4.593.277,469	139,650	141,078	-2.000 %	2.000 %
15	240,000	423.759,670	4.593.283,702	138,880	141,037	-2.000 %	2.000 %
15	260,000	423.778,377	4.593.290,772	138,110	140,899	-2.000 %	2.000 %
15	280,000	423.796,751	4.593.298,667	137,340	140,568	-2.000 %	2.000 %
15	300,000	423.814,756	4.593.307,370	136,570	139,884	-2.000 %	2.000 %
15	320,000	423.832,357	4.593.316,864	135,800	139,359	-2.000 %	2.000 %
15	325,983 pla	423.837,539	4.593.319,856	135,570	139,263	-2.000 %	2.000 %
15	340,000	423.849,631	4.593.326,944	135,030	138,828	-2.000 %	2.000 %
15	360,000	423.866,885	4.593.337,059	134,260	138,381	-2.000 %	2.000 %
15	380,000	423.884,139	4.593.347,173	133,490	138,568	-2.000 %	2.000 %
15	400,000	423.901,393	4.593.357,287	132,720	141,633	-2.000 %	2.000 %
15	406,509 alz	423.907,008	4.593.360,579	132,469	141,279	-2.000 %	2.000 %
15	420,000	423.918,647	4.593.367,402	131,995	133,511	-2.000 %	2.000 %
15	440,000	423.935,901	4.593.377,516	131,460	131,568	-2.000 %	2.000 %
15	460,000	423.953,154	4.593.387,631	131,125	129,564	-2.000 %	2.000 %
15	480,000	423.970,408	4.593.397,745	130,990	122,976	-2.000 %	2.000 %
15	500,000	423.987,662	4.593.407,859	131,055	122,613	-2.000 %	2.000 %
15	513,283 alz	423.999,122	4.593.414,577	131,209	120,810	-2.000 %	2.000 %
15	520,000	424.004,916	4.593.417,974	131,309	122,500	-2.000 %	2.000 %
15	540,000	424.022,170	4.593.428,088	131,607	126,183	-2.000 %	2.000 %
15	560,000	424.039,424	4.593.438,203	131,904	129,568	-2.000 %	2.000 %
15	580,000	424.056,678	4.593.448,317	132,202	131,760	-2.000 %	2.000 %
15	587,528 alz	424.063,173	4.593.452,124	132,314	131,984	-2.000 %	2.000 %
15	600,000	424.073,932	4.593.458,431	132,539	132,520	-2.000 %	2.000 %
15	620,000	424.091,186	4.593.468,546	133,061	134,110	-2.000 %	2.000 %
15	625,804 alz	424.096,193	4.593.471,481	133,250	134,527	-2.000 %	2.000 %
15	640,000	424.108,440	4.593.478,660	133,733	135,258	-2.000 %	2.000 %
15	660,000	424.125,694	4.593.488,775	134,414	136,213	-2.000 %	2.000 %
15	680,000	424.142,948	4.593.498,889	135,094	137,141	-2.000 %	2.000 %

15	700,000	424.160,202	4.593.509,003	135,775	138,028	-2.000 %	2.000 %
15	720,000	424.177,456	4.593.519,118	136,455	137,673	-2.000 %	2.000 %
15	730,104 pla	424.186,173	4.593.524,228	136,799	136,864	-2.000 %	2.000 %
15	740,000	424.194,771	4.593.529,126	137,136	136,858	-2.000 %	2.000 %
15	760,000	424.212,505	4.593.538,369	137,816	136,839	-2.000 %	2.000 %
15	780,000	424.230,678	4.593.546,714	138,497	130,068	-2.000 %	2.000 %
15	800,000	424.249,246	4.593.554,141	139,177	133,454	-2.000 %	2.000 %
15	805,096 alz	424.254,034	4.593.555,884	139,351	134,924	-2.000 %	2.000 %
15	820,000	424.268,162	4.593.560,630	139,913	140,094	-2.000 %	2.000 %
15	840,000	424.287,378	4.593.566,166	140,843	138,658	-2.000 %	2.000 %
15	860,000	424.306,847	4.593.570,734	141,972	137,568	-2.000 %	2.000 %
15	880,000	424.326,520	4.593.574,324	143,302	142,378	-2.000 %	2.000 %
15	897,052 alz	424.343,418	4.593.576,604	144,593	145,068	-2.000 %	2.000 %
15	900,000	424.346,348	4.593.576,926	144,829	145,068	-2.000 %	2.000 %
15	920,000	424.366,281	4.593.578,533	146,429	146,167	-2.000 %	2.000 %
15	940,000	424.386,270	4.593.579,143	148,029	153,061	-2.000 %	2.000 %
15	946,243 pla	424.392,513	4.593.579,128	148,529	153,002	-2.000 %	2.000 %
15	960,000	424.406,269	4.593.578,989	149,629	152,712	-2.000 %	2.000 %
15	970,524 alz	424.416,792	4.593.578,882	150,471	153,068	-2.000 %	2.000 %
15	980,000	424.426,268	4.593.578,786	151,140	152,986	-2.000 %	2.000 %
15	1.000,000	424.446,267	4.593.578,583	151,961	154,597	-2.000 %	2.000 %
15	1.000,514 alz	424.446,781	4.593.578,578	151,971	154,601	-2.000 %	2.000 %
15	1.012,090 per	424.458,356	4.593.578,461	152,203	154,216	-2.000 %	2.000 %
16	0,000 pla	424.555,606	4.593.586,476	151,159	149,568	-2.000 %	-2.000 %
16	20,000	424.575,605	4.593.586,274	150,559	147,068	-2.000 %	-2.000 %
16	40,000	424.595,604	4.593.586,071	149,559	144,068	-2.000 %	-2.000 %
16	40,001 alz	424.595,605	4.593.586,071	149,559	144,068	-2.000 %	-2.000 %
16	60,000	424.615,603	4.593.585,868	148,359	140,667	-2.000 %	-2.000 %
16	80,000	424.635,602	4.593.585,666	147,159	138,351	-2.000 %	-2.000 %
16	86,779 alz	424.642,380	4.593.585,597	146,752	138,176	-2.000 %	-2.000 %
16	100,000	424.655,601	4.593.585,463	146,017	139,835	-2.000 %	-2.000 %
16	120,000	424.675,600	4.593.585,261	145,127	137,971	-2.000 %	-2.000 %
16	140,000	424.695,599	4.593.585,058	144,503	140,914	-2.000 %	-2.000 %
16	160,000	424.715,598	4.593.584,855	144,146	142,426	-2.000 %	-2.000 %
16	180,000	424.735,597	4.593.584,653	144,056	144,742	-2.000 %	-2.000 %
16	200,000	424.755,596	4.593.584,450	144,232	146,049	-2.000 %	-2.000 %
16	220,000	424.775,595	4.593.584,248	144,675	147,461	-2.000 %	-2.000 %
16	236,781 alz	424.792,376	4.593.584,078	145,252	147,898	-2.000 %	-2.000 %
16	240,000	424.795,594	4.593.584,045	145,381	147,929	-2.000 %	-2.000 %
16	260,000	424.815,593	4.593.583,842	146,181	148,139	-2.000 %	-2.000 %
16	280,000	424.835,592	4.593.583,640	146,981	147,709	-2.000 %	-2.000 %
16	287,445 pla	424.843,036	4.593.583,564	147,279	147,425	-2.000 %	-2.000 %
16	300,000	424.855,591	4.593.583,598	147,781	146,920	-2.000 %	-2.000 %
16	320,000	424.875,577	4.593.584,314	148,581	146,123	-2.000 %	-2.000 %
16	340,000	424.895,517	4.593.585,843	149,381	147,244	-2.000 %	-2.000 %
16	360,000	424.915,378	4.593.588,183	150,181	148,780	-2.000 %	-2.000 %
16	380,000	424.935,128	4.593.591,330	150,981	150,277	-2.000 %	-2.000 %
16	400,000	424.954,733	4.593.595,278	151,781	151,898	-2.000 %	-2.000 %
16	420,000	424.974,161	4.593.600,021	152,581	153,683	-2.000 %	-2.000 %
16	432,645 alz	424.986,339	4.593.603,427	153,087	154,360	-2.000 %	-2.000 %
16	440,000	424.993,379	4.593.605,552	153,354	154,625	-2.000 %	-2.000 %

16	460,000	425.012,357	4.593.611,861	153,807	155,090	-2.000 %	-2.000 %
16	480,000	425.031,062	4.593.618,937	153,860	155,483	-2.000 %	-2.000 %
16	500,000	425.049,463	4.593.626,769	153,513	155,639	-2.000 %	-2.000 %
16	520,000	425.067,530	4.593.635,344	152,766	155,399	-2.000 %	-2.000 %
16	524,957 alz	425.071,952	4.593.637,582	152,519	155,210	-2.000 %	-2.000 %
16	537,330 alz	425.082,891	4.593.643,364	151,871	154,436	-2.000 %	-2.000 %
16	540,000	425.085,233	4.593.644,648	151,732	154,225	-2.000 %	-2.000 %
16	560,000	425.102,542	4.593.654,664	150,737	151,939	-2.000 %	-2.000 %
16	580,000	425.119,429	4.593.665,378	149,821	150,068	-2.000 %	-2.000 %
16	597,636 alz	425.133,947	4.593.675,389	149,080	149,057	-2.000 %	-2.000 %
16	599,890 pla	425.135,776	4.593.676,705	148,990	148,979	-2.000 %	-2.000 %
16	600,000	425.135,866	4.593.676,770	148,985	148,976	-2.000 %	-2.000 %
16	620,000	425.152,071	4.593.688,491	148,180	148,528	-2.000 %	-2.000 %
16	640,000	425.168,276	4.593.700,213	147,375	148,087	-2.000 %	-2.000 %
16	660,000	425.184,481	4.593.711,935	146,570	147,577	-2.000 %	-2.000 %
16	680,000	425.200,686	4.593.723,656	145,765	147,068	-2.000 %	-2.000 %
16	700,000	425.216,891	4.593.735,378	144,960	146,739	-2.000 %	-2.000 %
16	712,358 pla	425.226,904	4.593.742,621	144,463	146,284	-2.000 %	-2.000 %
16	720,000	425.233,151	4.593.747,022	144,155	146,068	-2.000 %	-2.000 %
16	740,000	425.249,995	4.593.757,798	143,350	145,539	-2.000 %	-2.000 %
16	760,000	425.267,501	4.593.767,462	142,545	144,611	-2.000 %	-2.000 %
16	780,000	425.285,596	4.593.775,974	141,740	143,636	-2.000 %	-2.000 %
16	800,000	425.304,203	4.593.783,297	140,935	142,099	-2.000 %	-2.000 %
16	820,000	425.323,245	4.593.789,401	140,130	140,525	-2.000 %	-2.000 %
16	840,000	425.342,642	4.593.794,261	139,325	138,876	-2.000 %	-2.000 %
16	860,000	425.362,313	4.593.797,856	138,520	137,730	-2.000 %	-2.000 %
16	874,958 pla	425.377,154	4.593.799,709	137,918	136,959	-2.000 %	-2.000 %
16	880,000	425.382,171	4.593.800,219	137,715	136,733	-2.000 %	-2.000 %
16	900,000	425.402,055	4.593.802,366	136,910	135,733	-2.000 %	-2.000 %
16	920,000	425.421,917	4.593.804,712	136,105	134,591	-2.000 %	-2.000 %
16	940,000	425.441,754	4.593.807,258	135,301	133,768	-2.000 %	-2.000 %
16	960,000	425.461,565	4.593.810,003	134,496	133,566	-2.000 %	-2.000 %
16	980,000	425.481,347	4.593.812,947	133,691	132,818	-2.000 %	-2.000 %
16	1.000,000	425.501,098	4.593.816,090	132,886	132,435	-2.000 %	-2.000 %
16	1.020,000	425.520,817	4.593.819,431	132,081	132,411	-2.000 %	-2.000 %
16	1.040,000	425.540,501	4.593.822,969	131,276	132,018	-2.000 %	-2.000 %
16	1.060,000	425.560,149	4.593.826,706	130,471	131,764	-2.000 %	-2.000 %
16	1.069,594 pla	425.569,561	4.593.828,568	130,084	131,669	-2.000 %	-2.000 %
16	1.080,000	425.579,764	4.593.830,612	129,666	131,568	-2.000 %	-2.000 %
16	1.089,009 alz	425.588,598	4.593.832,382	129,303	131,746	-2.000 %	-2.000 %
16	1.100,000	425.599,374	4.593.834,542	128,891	130,370	-2.000 %	-2.000 %
16	1.120,000	425.618,984	4.593.838,471	128,296	128,888	-2.000 %	-2.000 %
16	1.128,100 per	425.626,926	4.593.840,063	128,112	128,613	-2.000 %	-2.000 %
16	1.128,101	425.626,927	4.593.840,063	128,112	128,613	-2.000 %	-2.000 %
17	0,000 pla	424.555,424	4.593.569,477	150,631	149,239	2.000 %	2.000 %
17	0,008 alz	424.555,432	4.593.569,477	150,631	149,239	2.000 %	2.000 %
17	20,000	424.575,423	4.593.569,275	150,032	147,068	2.000 %	2.000 %
17	40,000	424.595,422	4.593.569,072	149,032	144,068	2.000 %	2.000 %
17	40,028 alz	424.595,450	4.593.569,072	149,030	144,068	2.000 %	2.000 %
17	60,000	424.615,421	4.593.568,869	147,832	142,068	2.000 %	2.000 %
17	80,000	424.635,420	4.593.568,667	146,632	138,406	2.000 %	2.000 %

17	92,277 alz	424.647,696	4.593.568,542	145,895	136,568	2.000 %	2.000 %
17	100,000	424.655,419	4.593.568,464	145,452	136,552	2.000 %	2.000 %
17	120,000	424.675,418	4.593.568,262	144,488	136,821	2.000 %	2.000 %
17	140,000	424.695,417	4.593.568,059	143,791	139,871	2.000 %	2.000 %
17	160,000	424.715,415	4.593.567,856	143,361	140,722	2.000 %	2.000 %
17	180,000	424.735,414	4.593.567,654	143,197	141,848	2.000 %	2.000 %
17	200,000	424.755,413	4.593.567,451	143,300	142,620	2.000 %	2.000 %
17	220,000	424.775,412	4.593.567,249	143,669	143,720	2.000 %	2.000 %
17	240,000	424.795,411	4.593.567,046	144,306	144,883	2.000 %	2.000 %
17	242,281 alz	424.797,692	4.593.567,023	144,395	145,026	2.000 %	2.000 %
17	260,000	424.815,410	4.593.566,843	145,104	145,789	2.000 %	2.000 %
17	280,000	424.835,409	4.593.566,641	145,904	145,611	2.000 %	2.000 %
17	287,455 pla	424.842,864	4.593.566,565	146,202	145,467	2.000 %	2.000 %
17	300,000	424.855,409	4.593.566,593	146,704	144,981	2.000 %	2.000 %
17	320,000	424.875,396	4.593.567,278	147,504	144,719	2.000 %	2.000 %
17	340,000	424.895,340	4.593.568,749	148,304	145,688	2.000 %	2.000 %
17	360,000	424.915,211	4.593.571,004	149,104	146,963	2.000 %	2.000 %
17	380,000	424.934,978	4.593.574,039	149,904	148,048	2.000 %	2.000 %
17	400,000	424.954,611	4.593.577,850	150,704	149,811	2.000 %	2.000 %
17	420,000	424.974,078	4.593.582,430	151,504	151,071	2.000 %	2.000 %
17	432,644 alz	424.986,286	4.593.585,720	152,010	151,854	2.000 %	2.000 %
17	440,000	424.993,349	4.593.587,774	152,277	152,261	2.000 %	2.000 %
17	460,000	425.012,396	4.593.593,872	152,730	152,923	2.000 %	2.000 %
17	480,000	425.031,187	4.593.600,714	152,783	153,338	2.000 %	2.000 %
17	500,000	425.049,695	4.593.608,291	152,436	153,706	2.000 %	2.000 %
17	520,000	425.067,890	4.593.616,591	151,688	153,838	2.000 %	2.000 %
17	524,958 alz	425.072,349	4.593.618,758	151,441	153,837	2.000 %	2.000 %
17	530,780 alz	425.077,558	4.593.621,359	151,137	153,857	2.000 %	2.000 %
17	540,000	425.085,745	4.593.625,600	150,663	153,719	2.000 %	2.000 %
17	560,000	425.103,231	4.593.635,305	149,694	150,823	2.000 %	2.000 %
17	580,000	425.120,321	4.593.645,691	148,804	148,968	2.000 %	2.000 %
17	599,896 alz	425.136,904	4.593.656,683	147,999	147,335	2.000 %	2.000 %
17	600,000	425.136,990	4.593.656,742	147,995	147,331	2.000 %	2.000 %
17	610,717 pla	425.145,739	4.593.662,931	147,582	146,764	2.000 %	2.000 %
17	620,000	425.153,260	4.593.668,371	147,225	146,371	2.000 %	2.000 %
17	640,000	425.169,465	4.593.680,093	146,455	145,832	2.000 %	2.000 %
17	660,000	425.185,670	4.593.691,814	145,686	145,208	2.000 %	2.000 %
17	680,000	425.201,875	4.593.703,536	144,916	145,574	2.000 %	2.000 %
17	700,000	425.218,080	4.593.715,258	144,146	145,844	2.000 %	2.000 %
17	720,000	425.234,286	4.593.726,979	143,376	145,343	2.000 %	2.000 %
17	723,186 pla	425.236,867	4.593.728,846	143,254	145,379	2.000 %	2.000 %
17	740,000	425.250,767	4.593.738,303	142,606	145,787	2.000 %	2.000 %
17	760,000	425.267,975	4.593.748,487	141,837	145,568	2.000 %	2.000 %
17	780,000	425.285,840	4.593.757,470	141,067	145,068	2.000 %	2.000 %
17	800,000	425.304,278	4.593.765,209	140,297	144,459	2.000 %	2.000 %
17	820,000	425.323,202	4.593.771,668	139,527	143,150	2.000 %	2.000 %
17	840,000	425.342,524	4.593.776,816	138,757	141,306	2.000 %	2.000 %
17	860,000	425.362,153	4.593.780,630	137,988	140,024	2.000 %	2.000 %
17	876,840 pla	425.378,851	4.593.782,794	137,339	139,069	2.000 %	2.000 %
17	880,000	425.381,995	4.593.783,112	137,218	138,912	2.000 %	2.000 %
17	900,000	425.401,881	4.593.785,239	136,448	137,919	2.000 %	2.000 %

17	920,000	425.421,746	4.593.787,564	135,678	136,808	2.000 %	2.000 %
17	940,000	425.441,586	4.593.790,087	134,908	135,806	2.000 %	2.000 %
17	960,000	425.461,400	4.593.792,807	134,139	134,954	2.000 %	2.000 %
17	980,000	425.481,186	4.593.795,724	133,369	134,017	2.000 %	2.000 %
17	1.000,000	425.500,942	4.593.798,839	132,599	133,645	2.000 %	2.000 %
17	1.020,000	425.520,666	4.593.802,150	131,829	133,194	2.000 %	2.000 %
17	1.040,000	425.540,356	4.593.805,657	131,059	132,722	2.000 %	2.000 %
17	1.060,000	425.560,010	4.593.809,360	130,290	132,068	2.000 %	2.000 %
17	1.073,139 pla	425.572,901	4.593.811,899	129,784	131,987	2.000 %	2.000 %
17	1.080,000	425.579,628	4.593.813,247	129,520	131,878	2.000 %	2.000 %
17	1.094,034 alz	425.593,389	4.593.816,005	128,980	132,016	2.000 %	2.000 %
17	1.100,000	425.599,239	4.593.817,177	128,759	131,988	2.000 %	2.000 %
17	1.120,000	425.618,849	4.593.821,106	128,149	128,712	2.000 %	2.000 %
17	1.131,018 alz	425.629,652	4.593.823,271	127,898	129,189	2.000 %	2.000 %
17	1.131,428 pla	425.630,055	4.593.823,352	127,890	129,195	2.000 %	2.000 %
17	1.131,429	425.630,055	4.593.823,352	127,890	129,195	2.000 %	2.000 %
18	0,000 pla	424.779,776	4.593.567,204	143,785	143,965	0.000 %	0.000 %
18	2,135 alz	424.780,281	4.593.565,130	143,759	143,701	0.000 %	0.000 %
18	20,000	424.784,501	4.593.547,770	143,054	141,940	0.000 %	0.000 %
18	24,568 alz	424.785,580	4.593.543,331	142,720	141,446	0.000 %	0.000 %
18	40,000	424.789,226	4.593.528,337	141,485	140,228	0.000 %	0.000 %
18	60,000	424.793,951	4.593.508,903	139,885	139,589	0.000 %	0.000 %
18	80,000	424.798,676	4.593.489,469	138,285	135,572	0.000 %	0.000 %
18	99,065 pla	424.803,180	4.593.470,943	136,760	133,519	0.000 %	0.000 %
18	99,088 alz	424.803,185	4.593.470,921	136,758	133,517	0.000 %	0.000 %
18	100,000	424.803,443	4.593.470,047	136,687	133,427	0.000 %	0.000 %
18	114,773 pla	424.815,259	4.593.463,588	135,908	132,596	0.000 %	0.000 %
18	120,000	424.820,338	4.593.464,823	135,805	132,872	0.000 %	0.000 %
18	139,044 alz	424.838,843	4.593.469,322	136,188	133,767	0.000 %	0.000 %
18	140,000	424.839,772	4.593.469,548	136,237	133,836	0.000 %	0.000 %
18	160,000	424.859,206	4.593.474,273	137,266	134,424	0.000 %	0.000 %
18	180,000	424.878,639	4.593.478,998	138,294	137,568	0.000 %	0.000 %
18	200,000	424.898,073	4.593.483,722	139,323	138,729	0.000 %	0.000 %
18	220,000	424.917,507	4.593.488,447	140,352	138,483	0.000 %	0.000 %
18	240,000	424.936,941	4.593.493,172	141,381	139,313	0.000 %	0.000 %
18	260,000	424.956,375	4.593.497,897	142,409	140,243	0.000 %	0.000 %
18	280,000	424.975,809	4.593.502,622	143,438	141,626	0.000 %	0.000 %
18	300,000	424.995,243	4.593.507,347	144,467	143,007	0.000 %	0.000 %
18	317,285 alz	425.012,039	4.593.511,430	145,356	144,122	0.000 %	0.000 %
18	320,000	425.014,677	4.593.512,071	145,498	144,104	0.000 %	0.000 %
18	340,000	425.034,111	4.593.516,796	146,708	144,135	0.000 %	0.000 %
18	341,566 pla	425.035,632	4.593.517,166	146,815	144,133	0.000 %	0.000 %
18	357,263 alz	425.042,989	4.593.529,235	147,983	145,068	0.000 %	0.000 %
18	357,274 pla	425.042,987	4.593.529,245	147,984	145,068	0.000 %	0.000 %
18	360,000	425.042,343	4.593.531,894	148,202	145,068	0.000 %	0.000 %
18	380,000	425.037,618	4.593.551,328	149,802	147,068	0.000 %	0.000 %
18	400,000	425.032,893	4.593.570,762	151,402	149,227	0.000 %	0.000 %
18	403,878 alz	425.031,977	4.593.574,530	151,712	150,335	0.000 %	0.000 %
18	420,000	425.028,168	4.593.590,196	152,611	152,219	0.000 %	0.000 %
18	423,999 alz	425.027,223	4.593.594,082	152,713	152,568	0.000 %	0.000 %
18	428,830 pla	425.026,082	4.593.598,776	152,808	153,068	0.000 %	0.000 %

19	0,000 pla	425.725,066	4.593.847,185	128,723	128,723	-2.000 %	2.000 %
19	20,000	425.744,803	4.593.850,420	128,923	129,068	-2.000 %	2.000 %
19	40,000	425.764,539	4.593.853,656	129,123	130,068	-2.000 %	2.000 %
19	42,320 pla	425.766,829	4.593.854,031	129,146	130,068	-2.000 %	2.000 %
19	60,000	425.784,161	4.593.857,502	129,323	130,568	-2.000 %	2.000 %
19	72,825 alz	425.796,559	4.593.860,777	129,451	130,395	-2.000 %	2.000 %
19	80,000	425.803,418	4.593.862,884	129,502	130,914	-2.000 %	2.000 %
19	100,000	425.822,186	4.593.869,779	129,428	130,053	-2.000 %	2.000 %
19	120,000	425.840,348	4.593.878,143	129,033	130,834	-2.000 %	2.000 %
19	140,000	425.857,787	4.593.887,923	128,318	131,086	-2.000 %	2.000 %
19	160,000	425.874,394	4.593.899,058	127,283	131,568	-2.000 %	2.000 %
19	160,332 alz	425.874,662	4.593.899,253	127,263	131,568	-2.000 %	2.000 %
19	180,000	425.890,065	4.593.911,476	126,083	131,163	-2.000 %	2.000 %
19	200,000	425.904,699	4.593.925,101	124,883	131,665	-2.000 %	2.000 %
19	208,148 pla	425.910,343	4.593.930,978	124,394	132,068	-2.000 %	2.000 %
19	220,000	425.918,412	4.593.939,658	123,683	131,385	-2.000 %	2.000 %
19	240,000	425.932,030	4.593.954,306	122,483	129,114	-2.000 %	2.000 %
19	248,739 alz	425.937,980	4.593.960,706	121,958	126,667	-2.000 %	2.000 %
19	260,000	425.945,648	4.593.968,954	121,333	123,811	-2.000 %	2.000 %
19	280,000	425.959,265	4.593.983,602	120,473	120,897	-2.000 %	2.000 %
19	298,745 alz	425.972,029	4.593.997,331	119,958	120,068	-2.000 %	2.000 %
19	300,000	425.972,883	4.593.998,250	119,933	120,068	-2.000 %	2.000 %
19	308,445 alz	425.978,633	4.594.004,435	119,764	119,568	-2.000 %	2.000 %
19	320,000	425.986,500	4.594.012,897	119,479	119,568	-2.000 %	2.000 %
19	340,000	426.000,118	4.594.027,545	118,735	119,717	-2.000 %	2.000 %
19	358,439 alz	426.012,673	4.594.041,050	117,764	119,068	-2.000 %	2.000 %
19	360,000	426.013,735	4.594.042,193	117,671	119,068	-2.000 %	2.000 %
19	380,000	426.027,353	4.594.056,841	116,471	112,068	-2.000 %	2.000 %
19	400,000	426.040,971	4.594.071,489	115,271	110,675	-2.000 %	2.000 %
19	402,182 alz	426.042,456	4.594.073,088	115,140	110,452	-2.000 %	2.000 %
19	420,000	426.054,588	4.594.086,137	114,150	106,635	-2.000 %	2.000 %
19	440,000	426.068,206	4.594.100,785	113,229	103,953	-2.000 %	2.000 %
19	460,000	426.081,823	4.594.115,433	112,507	104,006	-2.000 %	2.000 %
19	480,000	426.095,441	4.594.130,081	111,985	108,250	-2.000 %	2.000 %
19	500,000	426.109,058	4.594.144,729	111,663	111,068	-2.000 %	2.000 %
19	520,000	426.122,676	4.594.159,377	111,542	111,568	-2.000 %	2.000 %
19	540,000	426.136,294	4.594.174,025	111,620	111,568	-2.000 %	2.000 %
19	560,000	426.149,911	4.594.188,673	111,898	111,568	-2.000 %	2.000 %
19	580,000	426.163,529	4.594.203,321	112,376	112,568	-2.000 %	2.000 %
19	600,000	426.177,146	4.594.217,969	113,055	111,897	-2.000 %	2.000 %
19	620,000	426.190,764	4.594.232,616	113,933	113,467	-2.000 %	2.000 %
19	631,264 alz	426.198,433	4.594.240,866	114,516	115,003	-2.000 %	2.000 %
19	640,000	426.204,381	4.594.247,264	114,992	115,016	-2.000 %	2.000 %
19	660,000	426.217,999	4.594.261,912	116,083	115,452	-2.000 %	2.000 %
19	680,000	426.231,616	4.594.276,560	117,174	116,068	-2.000 %	2.000 %
19	700,000	426.245,234	4.594.291,208	118,265	117,068	-2.000 %	2.000 %
19	720,000	426.258,852	4.594.305,856	119,356	118,068	-2.000 %	2.000 %
19	740,000	426.272,469	4.594.320,504	120,447	119,568	-2.000 %	2.000 %
19	760,000	426.286,087	4.594.335,152	121,538	120,138	-2.000 %	2.000 %
19	771,179 alz	426.293,699	4.594.343,340	122,147	119,994	-2.000 %	2.000 %
19	780,000	426.299,704	4.594.349,800	122,590	119,752	-2.000 %	2.000 %



19	800,000	426.313,322	4.594.364,448	123,304	119,259	-2.000 %	2.000 %
19	806,927 alz	426.318,038	4.594.369,521	123,458	119,613	-2.000 %	2.000 %
19	808,110 pla	426.318,844	4.594.370,388	123,481	119,716	-2.000 %	2.000 %
20	0,000 pla	426.384,026	4.594.438,054	126,032	126,270	-2.000 %	2.000 %
20	4,353 alz	426.386,723	4.594.441,471	126,120	126,706	-2.000 %	2.000 %
20	20,000	426.396,420	4.594.453,751	126,228	128,068	-2.000 %	2.000 %
20	40,000	426.408,814	4.594.469,448	125,762	129,340	-2.000 %	2.000 %
20	57,858 alz	426.419,880	4.594.483,464	124,773	129,376	-2.000 %	2.000 %
20	60,000	426.421,208	4.594.485,145	124,622	129,233	-2.000 %	2.000 %
20	80,000	426.433,602	4.594.500,842	123,211	127,068	-2.000 %	2.000 %
20	100,000	426.445,996	4.594.516,538	121,801	124,751	-2.000 %	2.000 %
20	120,000	426.458,390	4.594.532,235	120,390	122,432	-2.000 %	2.000 %
20	140,000	426.470,784	4.594.547,932	118,980	119,730	-2.000 %	2.000 %
20	160,000	426.483,178	4.594.563,629	117,569	117,765	-2.000 %	2.000 %
20	180,000	426.495,572	4.594.579,326	116,159	116,234	-2.000 %	2.000 %
20	192,102 alz	426.503,071	4.594.588,824	115,306	115,422	-2.000 %	2.000 %
20	200,000	426.507,966	4.594.595,022	114,782	114,725	-2.000 %	2.000 %
20	220,000	426.520,360	4.594.610,719	113,760	113,568	-2.000 %	2.000 %
20	240,000	426.532,754	4.594.626,416	113,172	113,215	-2.000 %	2.000 %
20	257,110 per	426.543,357	4.594.639,845	113,013	113,087	-2.000 %	2.000 %
21	0,000 pla	425.706,110	4.593.605,282	119,899	120,015	-2.000 %	2.000 %
21	9,510 alz	425.715,602	4.593.604,693	119,804	119,867	-2.000 %	2.000 %
21	20,000	425.726,072	4.593.604,044	119,768	119,568	-2.000 %	2.000 %
21	33,506 alz	425.739,552	4.593.603,208	119,924	119,329	-2.000 %	2.000 %
21	40,000	425.746,034	4.593.602,806	120,054	119,491	-2.000 %	2.000 %
21	60,000	425.765,995	4.593.601,567	120,454	120,220	-2.000 %	2.000 %
21	80,000	425.785,957	4.593.600,329	120,854	121,568	-2.000 %	2.000 %
21	100,000	425.805,918	4.593.599,091	121,254	122,441	-2.000 %	2.000 %
21	120,000	425.825,880	4.593.597,853	121,654	122,620	-2.000 %	2.000 %
21	140,000	425.845,842	4.593.596,614	122,054	122,374	-2.000 %	2.000 %
21	160,000	425.865,803	4.593.595,376	122,454	122,778	-2.000 %	2.000 %
21	180,000	425.885,765	4.593.594,138	122,854	124,427	-2.000 %	2.000 %
21	200,000	425.905,727	4.593.592,899	123,254	125,452	-2.000 %	2.000 %
21	220,000	425.925,688	4.593.591,661	123,654	126,568	-2.000 %	2.000 %
21	222,000 per	425.927,684	4.593.591,537	123,694	126,663	-2.000 %	2.000 %
21	240,000	425.945,650	4.593.590,423	124,054	127,052	-2.000 %	2.000 %
21	260,000	425.965,612	4.593.589,185	124,454	126,887	-2.000 %	2.000 %
21	280,000	425.985,573	4.593.587,946	124,854	125,943	-2.000 %	2.000 %
21	300,000	426.005,535	4.593.586,708	125,254	125,230	-2.000 %	2.000 %
21	320,000	426.025,496	4.593.585,470	125,654	124,090	-2.000 %	2.000 %
21	334,164 pla	426.039,633	4.593.584,593	125,937	123,502	-2.000 %	2.000 %
21	340,000	426.045,464	4.593.584,362	126,054	123,366	-2.000 %	2.000 %
21	360,000	426.065,409	4.593.585,558	126,454	123,170	-2.000 %	2.000 %
21	380,000	426.084,934	4.593.589,795	126,854	123,501	-2.000 %	2.000 %
21	400,000	426.103,580	4.593.596,975	127,254	126,420	-2.000 %	2.000 %
21	400,969 alz	426.104,453	4.593.597,395	127,273	126,596	-2.000 %	2.000 %
21	420,000	426.120,906	4.593.606,927	127,533	126,980	-2.000 %	2.000 %
21	440,000	426.136,501	4.593.619,416	127,546	126,912	-2.000 %	2.000 %
21	460,000	426.149,999	4.593.634,148	127,292	126,051	-2.000 %	2.000 %
21	480,000	426.161,080	4.593.650,774	126,772	125,873	-2.000 %	2.000 %
21	500,000	426.169,482	4.593.668,902	125,985	126,166	-2.000 %	2.000 %

21	503,211 pla	426.170,567	4.593.671,924	125,833	126,424	-2.000 %	2.000 %
21	520,000	426.176,045	4.593.687,794	124,931	127,746	-2.000 %	2.000 %
21	535,967 alz	426.181,255	4.593.702,888	123,898	125,628	-2.000 %	2.000 %
21	540,000	426.182,571	4.593.706,700	123,616	125,481	-2.000 %	2.000 %
21	560,000	426.189,097	4.593.725,605	122,216	124,423	-2.000 %	2.000 %
21	580,000	426.195,623	4.593.744,510	120,816	123,348	-2.000 %	2.000 %
21	600,000	426.202,149	4.593.763,416	119,416	123,169	-2.000 %	2.000 %
21	620,000	426.208,675	4.593.782,321	118,016	120,589	-2.000 %	2.000 %
21	640,000	426.215,201	4.593.801,226	116,616	120,028	-2.000 %	2.000 %
21	660,000	426.221,727	4.593.820,132	115,216	118,993	-2.000 %	2.000 %
21	676,368 alz	426.227,068	4.593.835,604	114,070	118,060	-2.000 %	2.000 %
21	680,000	426.228,253	4.593.839,037	113,829	117,729	-2.000 %	2.000 %
21	700,000	426.234,779	4.593.857,942	112,974	115,611	-2.000 %	2.000 %
21	701,372 alz	426.235,227	4.593.859,239	112,945	115,568	-2.000 %	2.000 %
21	716,234 alz	426.240,076	4.593.873,287	112,648	112,305	-2.000 %	2.000 %
21	720,000	426.241,305	4.593.876,847	112,558	111,747	-2.000 %	2.000 %
21	740,000	426.247,831	4.593.895,753	111,608	109,268	-2.000 %	2.000 %
21	741,240 alz	426.248,236	4.593.896,925	111,523	109,109	-2.000 %	2.000 %
21	760,000	426.254,357	4.593.914,658	110,209	107,469	-2.000 %	2.000 %
21	769,620 alz	426.257,496	4.593.923,752	109,536	106,772	-2.000 %	2.000 %
21	780,000	426.260,883	4.593.933,563	108,836	105,805	-2.000 %	2.000 %
21	800,000	426.267,409	4.593.952,469	107,640	103,068	-2.000 %	2.000 %
21	809,768 pla	426.270,597	4.593.961,703	107,128	102,091	-2.000 %	2.000 %
21	820,000	426.274,263	4.593.971,253	106,644	101,209	-2.000 %	2.000 %
21	840,000	426.283,265	4.593.989,096	105,847	100,129	-2.000 %	2.000 %
21	860,000	426.294,559	4.594.005,583	105,251	99,778	-2.000 %	2.000 %
21	880,000	426.307,945	4.594.020,423	104,855	99,195	-2.000 %	2.000 %
21	888,651 pla	426.314,325	4.594.026,265	104,745	99,068	-2.000 %	2.000 %
21	900,000	426.322,913	4.594.033,684	104,659	98,412	-2.000 %	2.000 %
21	920,000	426.338,047	4.594.046,759	104,662	98,007	-2.000 %	2.000 %
21	940,000	426.353,181	4.594.059,833	104,866	98,140	-2.000 %	2.000 %
21	960,000	426.368,316	4.594.072,908	105,270	98,509	-2.000 %	2.000 %
21	980,000	426.383,450	4.594.085,983	105,874	100,753	-2.000 %	2.000 %
21	1.000,000	426.398,584	4.594.099,058	106,677	102,568	-2.000 %	2.000 %
21	1.020,000	426.413,719	4.594.112,133	107,681	104,097	-2.000 %	2.000 %
21	1.039,634 alz	426.428,576	4.594.124,969	108,861	105,460	-2.000 %	2.000 %
21	1.040,000	426.428,853	4.594.125,208	108,885	105,487	-2.000 %	2.000 %
21	1.060,000	426.443,987	4.594.138,283	110,185	106,565	-2.000 %	2.000 %
21	1.068,680 alz	426.450,555	4.594.143,957	110,749	106,998	-2.000 %	2.000 %
21	1.080,000	426.459,122	4.594.151,358	111,357	107,575	-2.000 %	2.000 %
21	1.091,183 alz	426.467,584	4.594.158,669	111,705	108,206	-2.000 %	2.000 %
21	1.100,000	426.474,256	4.594.164,433	111,882	108,572	-2.000 %	2.000 %
21	1.116,142 alz	426.486,471	4.594.174,985	112,204	109,385	-2.000 %	2.000 %
21	1.120,000	426.489,390	4.594.177,507	112,303	109,583	-2.000 %	2.000 %
21	1.137,142 alz	426.502,362	4.594.188,714	113,254	110,502	-2.000 %	2.000 %
21	1.140,000	426.504,524	4.594.190,582	113,483	110,674	-2.000 %	2.000 %
21	1.160,000	426.519,659	4.594.203,657	115,083	111,791	-2.000 %	2.000 %
21	1.169,918 alz	426.527,164	4.594.210,141	115,876	112,323	-2.000 %	2.000 %
21	1.180,000	426.534,793	4.594.216,732	116,556	112,826	-2.000 %	2.000 %
21	1.193,915 alz	426.545,323	4.594.225,829	117,076	113,524	-2.000 %	2.000 %
21	1.200,000	426.549,927	4.594.229,807	117,198	113,827	-2.000 %	2.000 %

21	1.220,000	426.565,062	4.594.242,882	117,598	114,838	-2.000 %	2.000 %
21	1.240,000	426.580,196	4.594.255,957	117,998	115,826	-2.000 %	2.000 %
21	1.260,000	426.595,330	4.594.269,032	118,398	116,943	-2.000 %	2.000 %
21	1.280,000	426.610,465	4.594.282,107	118,798	119,287	-2.000 %	2.000 %
21	1.300,000	426.625,599	4.594.295,182	119,198	118,843	-2.000 %	2.000 %
21	1.302,891 pla	426.627,786	4.594.297,071	119,256	118,688	-2.000 %	2.000 %
22	0,000 pla	425.892,579	4.593.375,947	111,570	111,650	-2.000 %	2.000 %
22	14,663 alz	425.907,173	4.593.377,377	111,270	111,411	-2.000 %	2.000 %
22	20,000	425.912,484	4.593.377,897	111,176	111,416	-2.000 %	2.000 %
22	40,000	425.932,389	4.593.379,848	111,102	110,568	-2.000 %	2.000 %
22	54,635 alz	425.946,954	4.593.381,275	111,325	110,336	-2.000 %	2.000 %
22	60,000	425.952,293	4.593.381,798	111,450	110,176	-2.000 %	2.000 %
22	80,000	425.972,198	4.593.383,749	111,916	110,374	-2.000 %	2.000 %
22	100,000	425.992,103	4.593.385,699	112,382	110,849	-2.000 %	2.000 %
22	120,000	426.012,007	4.593.387,650	112,848	110,568	-2.000 %	2.000 %
22	140,000	426.031,912	4.593.389,600	113,314	112,137	-2.000 %	2.000 %
22	160,000	426.051,817	4.593.391,551	113,779	113,074	-2.000 %	2.000 %
22	180,000 per	426.071,721	4.593.393,501	114,245	113,747	-2.000 %	2.000 %
22	188,805 pla	426.080,485	4.593.394,360	114,450	114,262	-2.000 %	2.000 %
22	200,000	426.091,605	4.593.395,646	114,711	115,073	-2.000 %	2.000 %
22	220,000	426.111,333	4.593.398,909	115,177	116,219	-2.000 %	2.000 %
22	240,000	426.130,820	4.593.403,398	115,642	117,252	-2.000 %	2.000 %
22	260,000	426.149,988	4.593.409,096	116,108	118,619	-2.000 %	2.000 %
22	280,000	426.168,762	4.593.415,979	116,574	119,237	-2.000 %	2.000 %
22	300,000	426.187,071	4.593.424,022	117,040	119,307	-2.000 %	2.000 %
22	320,000	426.204,841	4.593.433,192	117,506	117,884	-2.000 %	2.000 %
22	340,000	426.222,003	4.593.443,454	117,971	118,161	-2.000 %	2.000 %
22	360,000	426.238,491	4.593.454,769	118,437	117,477	-2.000 %	2.000 %
22	380,000	426.254,240	4.593.467,091	118,903	117,177	-2.000 %	2.000 %
22	400,000	426.269,189	4.593.480,372	119,369	117,286	-2.000 %	2.000 %
22	420,000	426.283,279	4.593.494,562	119,834	117,997	-2.000 %	2.000 %
22	440,000	426.296,456	4.593.509,604	120,300	118,817	-2.000 %	2.000 %
22	460,000	426.308,667	4.593.525,439	120,766	119,400	-2.000 %	2.000 %
22	473,750 alz	426.316,477	4.593.536,755	121,086	119,706	-2.000 %	2.000 %
22	480,000	426.319,865	4.593.542,006	121,222	119,719	-2.000 %	2.000 %
22	500,000	426.330,006	4.593.559,240	121,524	119,785	-2.000 %	2.000 %
22	520,000	426.339,051	4.593.577,074	121,624	119,958	-2.000 %	2.000 %
22	540,000	426.346,965	4.593.595,439	121,522	119,583	-2.000 %	2.000 %
22	553,838 pla	426.351,762	4.593.608,418	121,333	119,307	-2.000 %	2.000 %
22	560,000	426.353,773	4.593.614,242	121,218	119,241	-2.000 %	2.000 %
22	580,000	426.360,299	4.593.633,148	120,713	119,068	-2.000 %	2.000 %
22	600,000	426.366,825	4.593.652,053	120,006	118,619	-2.000 %	2.000 %
22	620,000	426.373,351	4.593.670,958	119,097	118,068	-2.000 %	2.000 %
22	640,000	426.379,877	4.593.689,864	117,986	116,128	-2.000 %	2.000 %
22	648,744 alz	426.382,730	4.593.698,128	117,437	115,103	-2.000 %	2.000 %
22	660,000	426.386,403	4.593.708,769	116,705	115,068	-2.000 %	2.000 %
22	680,000	426.392,929	4.593.727,674	115,405	113,068	-2.000 %	2.000 %
22	700,000	426.399,455	4.593.746,579	114,105	111,568	-2.000 %	2.000 %
22	720,000	426.405,981	4.593.765,485	112,805	110,068	-2.000 %	2.000 %
22	724,224 alz	426.407,359	4.593.769,477	112,530	109,631	-2.000 %	2.000 %
22	740,000	426.412,507	4.593.784,390	111,660	108,568	-2.000 %	2.000 %

22	760,000	426.419,033	4.593.803,295	111,005	107,616	-2.000 %	2.000 %
22	760,228 alz	426.419,107	4.593.803,511	111,000	107,610	-2.000 %	2.000 %
22	762,833 alz	426.419,957	4.593.805,973	110,948	107,419	-2.000 %	2.000 %
22	780,000	426.425,559	4.593.822,201	110,420	106,068	-2.000 %	2.000 %
22	800,000	426.432,085	4.593.841,106	109,341	105,358	-2.000 %	2.000 %
22	802,833 alz	426.433,009	4.593.843,784	109,148	105,280	-2.000 %	2.000 %
22	820,000	426.438,611	4.593.860,011	107,946	104,853	-2.000 %	2.000 %
22	829,717 alz	426.441,782	4.593.869,197	107,266	104,634	-2.000 %	2.000 %
22	839,760 pla	426.445,059	4.593.878,690	106,589	104,260	-2.000 %	2.000 %
22	840,000	426.445,137	4.593.878,917	106,573	104,255	-2.000 %	2.000 %
22	860,000	426.452,932	4.593.897,319	105,376	103,568	-2.000 %	2.000 %
22	880,000	426.463,104	4.593.914,522	104,379	102,650	-2.000 %	2.000 %
22	900,000	426.475,472	4.593.930,220	103,582	101,068	-2.000 %	2.000 %
22	920,000	426.489,818	4.593.944,134	102,985	97,068	-2.000 %	2.000 %
22	940,000	426.505,886	4.593.956,018	102,587	96,764	-2.000 %	2.000 %
22	960,000	426.523,391	4.593.965,661	102,390	96,783	-2.000 %	2.000 %
22	964,348 pla	426.527,357	4.593.967,443	102,374	96,795	-2.000 %	2.000 %
22	980,000	426.541,725	4.593.973,650	102,393	96,809	-2.000 %	2.000 %
22	1.000,000	426.560,085	4.593.981,583	102,596	97,069	-2.000 %	2.000 %
22	1.019,707 alz	426.578,176	4.593.989,399	102,992	97,907	-2.000 %	2.000 %
22	1.020,000	426.578,445	4.593.989,515	102,999	97,911	-2.000 %	2.000 %
22	1.040,000	426.596,805	4.593.997,447	103,499	99,308	-2.000 %	2.000 %
22	1.060,000	426.615,164	4.594.005,379	103,999	100,058	-2.000 %	2.000 %
22	1.080,000	426.633,524	4.594.013,312	104,499	100,825	-2.000 %	2.000 %
22	1.100,000	426.651,884	4.594.021,244	104,999	101,266	-2.000 %	2.000 %
22	1.120,000	426.670,244	4.594.029,176	105,499	101,502	-2.000 %	2.000 %
22	1.140,000	426.688,603	4.594.037,108	105,999	101,573	-2.000 %	2.000 %
22	1.160,000	426.706,963	4.594.045,040	106,499	101,568	-2.000 %	2.000 %
22	1.176,728 alz	426.722,319	4.594.051,675	106,917	101,537	-2.000 %	2.000 %
22	1.180,000	426.725,323	4.594.052,973	106,992	101,529	-2.000 %	2.000 %
22	1.200,000	426.743,683	4.594.060,905	107,160	101,573	-2.000 %	2.000 %
22	1.200,728 alz	426.744,351	4.594.061,194	107,157	101,581	-2.000 %	2.000 %
22	1.214,204 pla	426.756,722	4.594.066,538	107,090	101,927	-2.000 %	2.000 %
22	1.220,000	426.762,085	4.594.068,734	107,061	102,073	-2.000 %	2.000 %
22	1.239,199 alz	426.780,385	4.594.074,498	106,965	102,046	-2.000 %	2.000 %
22	1.240,000	426.781,163	4.594.074,688	106,960	102,038	-2.000 %	2.000 %
22	1.260,000	426.800,863	4.594.078,053	106,644	101,764	-2.000 %	2.000 %
22	1.266,003 pla	426.806,845	4.594.078,547	106,471	101,799	-2.000 %	2.000 %
22	1.274,197 alz	426.815,023	4.594.079,059	106,177	102,250	-2.000 %	2.000 %
22	1.280,000	426.820,815	4.594.079,422	105,945	102,430	-2.000 %	2.000 %
22	1.300,000	426.840,776	4.594.080,671	105,145	102,573	-2.000 %	2.000 %
22	1.320,000	426.860,737	4.594.081,920	104,345	102,412	-2.000 %	2.000 %
22	1.325,078 alz	426.865,805	4.594.082,237	104,142	102,460	-2.000 %	2.000 %
22	1.340,000	426.880,698	4.594.083,169	103,656	102,856	-2.000 %	2.000 %
22	1.360,000	426.900,659	4.594.084,418	103,355	103,068	-2.000 %	2.000 %
22	1.364,361 pla	426.905,011	4.594.084,690	103,342	103,235	-2.000 %	2.000 %
22	1.372,466 alz	426.912,878	4.594.086,487	103,369	103,608	-2.000 %	2.000 %
22	1.373,430 pla	426.913,763	4.594.086,868	103,376	103,315	-2.000 %	2.000 %
22	1.376,401 per	426.916,470	4.594.088,094	103,398	103,398	-2.000 %	2.000 %
23	0,000 pla	426.926,114	4.593.731,556	98,086	95,038	2.000 %	2.000 %
23	20,000	426.945,103	4.593.737,834	97,666	93,991	2.000 %	2.000 %

23	40,000	426.964,092	4.593.744,112	97,246	92,524	2.000 %	2.000 %
23	57,091 alz	426.980,319	4.593.749,477	96,887	91,006	2.000 %	2.000 %
23	60,000	426.983,081	4.593.750,390	96,827	90,723	2.000 %	2.000 %
23	80,000	427.002,070	4.593.756,669	96,493	90,007	2.000 %	2.000 %
23	100,000	427.021,059	4.593.762,947	96,292	89,828	2.000 %	2.000 %
23	105,103 alz	427.025,904	4.593.764,549	96,263	89,853	2.000 %	2.000 %
23	120,000	427.040,048	4.593.769,225	96,188	90,000	2.000 %	2.000 %
23	140,000	427.059,037	4.593.775,503	96,088	90,068	2.000 %	2.000 %
23	160,000	427.078,026	4.593.781,782	95,988	96,082	2.000 %	2.000 %
23	180,000	427.097,015	4.593.788,060	95,888	96,768	2.000 %	2.000 %
23	198,367 per	427.114,453	4.593.793,825	95,796	95,796	2.000 %	2.000 %
24	0,000 pla	426.099,030	4.593.104,196	97,220	97,068	-2.000 %	2.000 %
24	11,685 alz	426.109,297	4.593.109,775	97,337	97,720	-2.000 %	2.000 %
24	20,000	426.116,603	4.593.113,745	97,466	97,107	-2.000 %	2.000 %
24	40,000	426.134,176	4.593.123,294	98,154	97,060	-2.000 %	2.000 %
24	49,195 alz	426.142,256	4.593.127,684	98,649	96,107	-2.000 %	2.000 %
24	60,000	426.151,750	4.593.132,843	99,298	96,081	-2.000 %	2.000 %
24	80,000	426.169,323	4.593.142,392	100,498	99,568	-2.000 %	2.000 %
24	100,000	426.186,896	4.593.151,941	101,698	100,905	-2.000 %	2.000 %
24	112,910 alz	426.198,240	4.593.158,105	102,472	101,224	-2.000 %	2.000 %
24	120,000	426.204,469	4.593.161,490	102,873	102,068	-2.000 %	2.000 %
24	140,000	426.222,043	4.593.171,039	103,731	106,068	-2.000 %	2.000 %
24	152,902 alz	426.233,379	4.593.177,198	104,072	107,068	-2.000 %	2.000 %
24	160,000	426.239,616	4.593.180,588	104,214	107,068	-2.000 %	2.000 %
24	169,446 alz	426.247,915	4.593.185,097	104,403	108,068	-2.000 %	2.000 %
24	180,000	426.257,189	4.593.190,136	104,670	108,068	-2.000 %	2.000 %
24	200,000	426.274,762	4.593.199,685	105,481	107,568	-2.000 %	2.000 %
24	209,414 alz	426.283,034	4.593.204,180	106,002	107,257	-2.000 %	2.000 %
24	220,000	426.292,335	4.593.209,234	106,637	107,096	-2.000 %	2.000 %
24	220,413 alz	426.292,699	4.593.209,432	106,661	107,096	-2.000 %	2.000 %
24	234,975 alz	426.305,493	4.593.216,384	107,181	107,091	-2.000 %	2.000 %
24	240,000	426.309,909	4.593.218,783	107,239	106,842	-2.000 %	2.000 %
24	254,807 alz	426.322,919	4.593.225,853	107,408	107,557	-2.000 %	2.000 %
24	258,971 alz	426.326,577	4.593.227,841	107,438	107,537	-2.000 %	2.000 %
24	260,000	426.327,482	4.593.228,332	107,442	107,534	-2.000 %	2.000 %
24	280,000	426.345,055	4.593.237,881	107,504	107,074	-2.000 %	2.000 %
24	300,000	426.362,628	4.593.247,430	107,566	103,953	-2.000 %	2.000 %
24	320,000	426.380,201	4.593.256,979	107,629	103,932	-2.000 %	2.000 %
24	340,000	426.397,775	4.593.266,528	107,691	104,128	-2.000 %	2.000 %
24	360,000	426.415,348	4.593.276,077	107,753	104,125	-2.000 %	2.000 %
24	380,000	426.432,921	4.593.285,626	107,815	103,107	-2.000 %	2.000 %
24	400,000	426.450,494	4.593.295,175	107,878	103,496	-2.000 %	2.000 %
24	420,000	426.468,067	4.593.304,724	107,940	104,456	-2.000 %	2.000 %
24	430,415 pla	426.477,219	4.593.309,696	107,972	104,807	-2.000 %	2.000 %
25	0,000 pla	424.458,367	4.593.579,179	152,241	154,401	-2.000 %	-2.000 %
25	20,000	424.462,874	4.593.598,523	152,770	155,055	-2.000 %	-2.000 %
25	40,000	424.474,688	4.593.614,489	153,067	156,094	-2.000 %	-2.000 %
25	60,000	424.491,868	4.593.624,454	153,132	155,275	-2.000 %	-2.000 %
25	80,000	424.511,593	4.593.626,781	152,965	155,068	-2.000 %	-2.000 %
25	100,000	424.530,621	4.593.621,087	152,566	153,012	-2.000 %	-2.000 %
25	111,546 alz	424.540,045	4.593.614,464	152,230	152,568	-2.000 %	-2.000 %

25	120,000	424.545,826	4.593.608,309	151,956	152,568	-2.000 %	-2.000 %
25	140,000	424.554,710	4.593.590,545	151,307	149,725	-2.000 %	-2.000 %
25	153,608 alz	424.556,344	4.593.577,080	150,865	149,408	-2.000 %	-2.000 %
25	160,000	424.555,813	4.593.570,714	150,669	149,344	-2.000 %	-2.000 %
25	180,000	424.548,954	4.593.552,075	150,210	149,092	-2.000 %	-2.000 %
25	200,000	424.535,260	4.593.537,689	149,984	149,068	-2.000 %	-2.000 %
25	220,000	424.516,981	4.593.529,920	149,989	147,395	-2.000 %	-2.000 %
25	240,000	424.497,120	4.593.530,045	150,226	146,899	-2.000 %	-2.000 %
25	260,000	424.478,940	4.593.538,043	150,696	148,311	-2.000 %	-2.000 %
25	265,484 alz	424.474,660	4.593.541,466	150,865	148,481	-2.000 %	-2.000 %
25	280,000	424.465,428	4.593.552,600	151,336	150,068	-2.000 %	-2.000 %
25	300,000	424.458,804	4.593.571,324	151,985	152,803	-2.000 %	-2.000 %
25	307,546 alz	424.458,360	4.593.578,849	152,230	154,394	-2.000 %	-2.000 %
25	307,876 per	424.458,367	4.593.579,179	152,241	154,401	-2.000 %	-2.000 %
25	307,877	424.458,367	4.593.579,180	152,241	154,401	-2.000 %	-2.000 %
26	0,000 pla	426.318,845	4.594.370,389	123,471	119,733	-2.000 %	-2.000 %
26	20,000	426.307,261	4.594.386,508	123,616	124,902	-2.000 %	-2.000 %
26	40,000	426.303,364	4.594.405,971	123,951	125,359	-2.000 %	-2.000 %
26	60,000	426.307,849	4.594.425,307	124,476	126,068	-2.000 %	-2.000 %
26	68,463 alz	426.312,127	4.594.432,596	124,756	126,068	-2.000 %	-2.000 %
26	68,486 alz	426.312,140	4.594.432,615	124,756	126,068	-2.000 %	-2.000 %
26	80,000	426.319,916	4.594.441,068	125,128	126,068	-2.000 %	-2.000 %
26	100,000	426.337,413	4.594.450,441	125,624	125,568	-2.000 %	-2.000 %
26	120,000	426.357,219	4.594.451,756	125,930	125,068	-2.000 %	-2.000 %
26	140,000	426.375,801	4.594.444,778	126,047	126,035	-2.000 %	-2.000 %
26	160,000	426.389,845	4.594.430,751	125,974	126,330	-2.000 %	-2.000 %
26	180,000	426.396,847	4.594.412,177	125,711	126,125	-2.000 %	-2.000 %
26	200,000	426.395,557	4.594.392,370	125,259	124,568	-2.000 %	-2.000 %
26	216,118 alz	426.388,591	4.594.377,922	124,756	124,568	-2.000 %	-2.000 %
26	216,141 alz	426.388,577	4.594.377,904	124,756	124,568	-2.000 %	-2.000 %
26	220,000	426.386,205	4.594.374,861	124,624	123,568	-2.000 %	-2.000 %
26	240,000	426.370,460	4.594.362,775	124,055	121,236	-2.000 %	-2.000 %
26	260,000	426.351,129	4.594.358,266	123,677	119,179	-2.000 %	-2.000 %
26	280,000	426.331,661	4.594.362,139	123,487	117,871	-2.000 %	-2.000 %
26	295,160 per	426.318,957	4.594.370,289	123,470	119,653	-2.000 %	-2.000 %
26	295,310 pla	426.318,845	4.594.370,389	123,471	119,733	-2.000 %	-2.000 %
28	0,000 pla	426.222,936	4.593.577,282	123,400	124,697	2.000 %	2.000 %
28	1,688 alz	426.224,270	4.593.576,247	123,367	124,690	2.000 %	2.000 %
28	5,688 alz	426.227,431	4.593.573,796	123,447	124,671	2.000 %	2.000 %
28	20,000	426.238,741	4.593.565,026	122,980	124,647	2.000 %	2.000 %
28	40,000	426.254,545	4.593.552,770	122,327	124,068	2.000 %	2.000 %
28	60,000	426.270,350	4.593.540,514	121,675	122,840	2.000 %	2.000 %
28	80,000	426.286,155	4.593.528,258	121,022	120,980	2.000 %	2.000 %
28	89,692 alz	426.293,814	4.593.522,318	120,706	120,044	2.000 %	2.000 %
28	93,684 alz	426.296,968	4.593.519,872	120,626	119,641	2.000 %	2.000 %
28	93,700 alz	426.296,981	4.593.519,862	120,476	119,639	2.000 %	2.000 %
28	96,200 alz	426.298,957	4.593.518,330	120,426	119,387	2.000 %	2.000 %
28	99,698 pla	426.301,721	4.593.516,186	120,497	119,037	2.000 %	2.000 %
28	99,699	426.301,722	4.593.516,186	120,497	119,037	2.000 %	2.000 %
29	0,000 pla	426.168,436	4.593.666,203	126,120	126,329	-2.000 %	2.000 %
29	20,000	426.187,032	4.593.658,842	125,642	124,568	-2.000 %	2.000 %

29	40,000	426.205,628	4.593.651,480	125,163	123,738	-2.000 %	2.000 %
29	60,000	426.224,224	4.593.644,119	124,685	123,136	-2.000 %	2.000 %
29	80,000	426.242,820	4.593.636,758	124,207	122,372	-2.000 %	2.000 %
29	100,000	426.261,416	4.593.629,397	123,728	121,859	-2.000 %	2.000 %
29	120,000	426.280,012	4.593.622,035	123,250	121,287	-2.000 %	2.000 %
29	140,000	426.298,608	4.593.614,674	122,772	120,835	-2.000 %	2.000 %
29	160,000	426.317,204	4.593.607,313	122,293	120,479	-2.000 %	2.000 %
29	180,000	426.335,800	4.593.599,952	121,815	120,067	-2.000 %	2.000 %
29	192,038 per	426.346,994	4.593.595,521	121,527	119,568	-2.000 %	2.000 %
29	192,039	426.346,994	4.593.595,520	121,527	119,568	-2.000 %	2.000 %
30	0,000 pla	426.201,153	4.593.760,530	119,630	123,279	-2.000 %	-2.000 %
30	3,500 alz	426.204,461	4.593.759,388	119,560	123,151	-2.000 %	-2.000 %
30	3,508 alz	426.204,469	4.593.759,385	119,709	123,151	-2.000 %	-2.000 %
30	10,000 alz	426.210,606	4.593.757,267	119,839	122,861	-2.000 %	-2.000 %
30	20,000	426.220,058	4.593.754,004	119,849	122,398	-2.000 %	-2.000 %
30	40,000	426.238,964	4.593.747,478	119,870	120,291	-2.000 %	-2.000 %
30	60,000	426.257,869	4.593.740,952	119,891	119,617	-2.000 %	-2.000 %
30	80,000	426.276,774	4.593.734,426	119,912	118,976	-2.000 %	-2.000 %
30	87,983 alz	426.284,320	4.593.731,821	119,920	118,713	-2.000 %	-2.000 %
30	93,983 alz	426.289,991	4.593.729,863	119,800	118,336	-2.000 %	-2.000 %
30	97,983 alz	426.293,773	4.593.728,558	119,880	118,016	-2.000 %	-2.000 %
30	100,000	426.295,680	4.593.727,900	119,827	117,853	-2.000 %	-2.000 %
30	120,000	426.314,585	4.593.721,374	119,299	116,986	-2.000 %	-2.000 %
30	140,000	426.333,490	4.593.714,848	118,771	115,983	-2.000 %	-2.000 %
30	160,000	426.352,396	4.593.708,322	118,244	115,800	-2.000 %	-2.000 %
30	180,000	426.371,301	4.593.701,796	117,716	115,436	-2.000 %	-2.000 %
30	182,000 alz	426.373,191	4.593.701,143	117,663	115,396	-2.000 %	-2.000 %
30	188,492 alz	426.379,328	4.593.699,025	117,533	115,382	-2.000 %	-2.000 %
30	188,500 alz	426.379,336	4.593.699,022	117,384	115,382	-2.000 %	-2.000 %
30	192,000 per	426.382,644	4.593.697,880	117,454	115,161	-2.000 %	-2.000 %
30	192,001	426.382,645	4.593.697,880	117,454	115,161	-2.000 %	-2.000 %
31	0,000 pla	426.280,606	4.593.959,807	107,261	101,940	-2.000 %	-2.000 %
31	20,000	426.298,930	4.593.951,792	107,145	101,872	-2.000 %	-2.000 %
31	40,000	426.317,254	4.593.943,778	107,028	103,602	-2.000 %	-2.000 %
31	60,000	426.335,578	4.593.935,764	106,912	103,926	-2.000 %	-2.000 %
31	80,000	426.353,902	4.593.927,749	106,796	103,692	-2.000 %	-2.000 %
31	100,000	426.372,226	4.593.919,735	106,679	103,583	-2.000 %	-2.000 %
31	120,000	426.390,550	4.593.911,721	106,563	103,760	-2.000 %	-2.000 %
31	140,000	426.408,874	4.593.903,706	106,447	104,154	-2.000 %	-2.000 %
31	160,000	426.427,198	4.593.895,692	106,330	104,292	-2.000 %	-2.000 %
31	172,757 alz	426.438,886	4.593.890,580	106,256	104,053	-2.000 %	-2.000 %
31	172,961 per	426.439,073	4.593.890,498	106,252	104,052	-2.000 %	-2.000 %
32	0,000 pla	426.547,111	4.593.975,977	102,432	97,540	-2.000 %	-2.000 %
32	4,026 alz	426.550,327	4.593.973,554	102,379	97,528	-2.000 %	-2.000 %
32	6,903 alz	426.552,623	4.593.971,823	102,443	97,520	-2.000 %	-2.000 %
32	6,912 alz	426.552,631	4.593.971,817	102,593	97,520	-2.000 %	-2.000 %
32	11,548 alz	426.556,333	4.593.969,027	102,698	97,512	-2.000 %	-2.000 %
32	20,000	426.563,083	4.593.963,940	102,788	96,883	-2.000 %	-2.000 %
32	33,471 alz	426.573,841	4.593.955,832	102,508	96,212	-2.000 %	-2.000 %
32	40,000	426.579,055	4.593.951,902	102,247	96,518	-2.000 %	-2.000 %
32	60,000	426.595,027	4.593.939,865	101,447	96,413	-2.000 %	-2.000 %

32	74,806 pla	426.606,851	4.593.930,953	100,855	96,278	-2.000 %	-2.000 %
32	80,000	426.611,068	4.593.927,923	100,647	96,220	-2.000 %	-2.000 %
32	100,000	426.628,476	4.593.918,127	99,847	95,823	-2.000 %	-2.000 %
32	120,000	426.647,326	4.593.911,520	99,047	95,603	-2.000 %	-2.000 %
32	134,614 pla	426.661,680	4.593.908,829	98,462	95,513	-2.000 %	-2.000 %
32	140,000	426.667,026	4.593.908,178	98,247	95,474	-2.000 %	-2.000 %
32	160,000	426.686,879	4.593.905,760	97,447	95,160	-2.000 %	-2.000 %
32	177,273 alz	426.704,026	4.593.903,671	96,756	94,200	-2.000 %	-2.000 %
32	180,000	426.706,733	4.593.903,342	96,659	94,106	-2.000 %	-2.000 %
32	186,051 pla	426.712,739	4.593.902,610	96,533	93,922	-2.000 %	-2.000 %
32	200,000	426.726,654	4.593.901,774	96,708	93,460	-2.000 %	-2.000 %
32	213,273 alz	426.739,897	4.593.902,561	97,476	93,225	-2.000 %	-2.000 %
32	220,000	426.746,550	4.593.903,546	98,014	93,163	-2.000 %	-2.000 %
32	240,000	426.765,831	4.593.908,765	99,614	92,807	-2.000 %	-2.000 %
32	245,655 pla	426.771,088	4.593.910,845	100,066	92,795	-2.000 %	-2.000 %
32	260,000	426.784,292	4.593.916,453	101,214	92,762	-2.000 %	-2.000 %
32	265,360 alz	426.789,225	4.593.918,548	101,643	92,780	-2.000 %	-2.000 %
32	280,000	426.802,700	4.593.924,271	102,278	92,872	-2.000 %	-2.000 %
32	286,355 alz	426.808,549	4.593.926,756	102,220	92,925	-2.000 %	-2.000 %
32	298,026 alz	426.819,292	4.593.931,318	101,929	93,126	-2.000 %	-2.000 %
32	298,034 alz	426.819,299	4.593.931,321	101,779	93,126	-2.000 %	-2.000 %
32	300,000	426.821,109	4.593.932,090	101,808	93,200	-2.000 %	-2.000 %
32	305,107 pla	426.825,809	4.593.934,086	101,884	93,373	-2.000 %	-2.000 %
33	0,000 pla	426.004,245	4.593.494,360	118,966	117,689	2.000 %	2.000 %
33	20,000	426.024,242	4.593.494,656	119,539	117,331	2.000 %	2.000 %
33	40,000	426.044,240	4.593.494,953	120,112	116,953	2.000 %	2.000 %
33	60,000	426.064,238	4.593.495,249	120,684	117,941	2.000 %	2.000 %
33	65,451 pla	426.069,689	4.593.495,330	120,841	118,185	2.000 %	2.000 %
33	80,000	426.084,212	4.593.496,117	121,257	118,983	2.000 %	2.000 %
33	85,068 alz	426.089,251	4.593.496,660	121,402	119,485	2.000 %	2.000 %
33	92,486 alz	426.096,595	4.593.497,702	121,537	120,208	2.000 %	2.000 %
33	95,703 alz	426.099,766	4.593.498,245	121,629	120,427	2.000 %	2.000 %
33	100,000	426.103,985	4.593.499,057	121,773	120,735	2.000 %	2.000 %
33	120,000	426.123,325	4.593.504,115	122,439	122,239	2.000 %	2.000 %
33	134,352 per	426.136,810	4.593.509,018	122,918	123,306	2.000 %	2.000 %
34	0,000 pla	426.172,100	4.593.527,907	122,906	125,615	2.000 %	2.000 %
34	20,000	426.188,240	4.593.539,707	123,062	125,643	2.000 %	2.000 %
34	40,000	426.203,252	4.593.552,911	123,217	125,578	2.000 %	2.000 %
34	60,000	426.217,016	4.593.567,412	123,373	125,232	2.000 %	2.000 %
34	67,133 alz	426.221,601	4.593.572,876	123,429	124,844	2.000 %	2.000 %
34	69,733 alz	426.223,228	4.593.574,904	123,377	124,793	2.000 %	2.000 %
34	77,133 alz	426.227,729	4.593.580,778	123,525	124,476	2.000 %	2.000 %
34	80,000	426.229,419	4.593.583,093	123,552	124,353	2.000 %	2.000 %
34	100,000	426.240,361	4.593.599,827	123,740	123,193	2.000 %	2.000 %
34	120,000	426.249,753	4.593.617,476	123,929	122,322	2.000 %	2.000 %
34	128,887 alz	426.253,409	4.593.625,576	124,013	122,166	2.000 %	2.000 %
34	131,879 alz	426.254,567	4.593.628,335	123,951	122,107	2.000 %	2.000 %
34	131,887 alz	426.254,570	4.593.628,343	123,801	122,107	2.000 %	2.000 %
34	135,387 alz	426.255,876	4.593.631,590	123,871	122,028	2.000 %	2.000 %
34	137,887 alz	426.256,778	4.593.633,921	123,821	121,966	2.000 %	2.000 %
34	137,895 alz	426.256,781	4.593.633,929	123,971	121,966	2.000 %	2.000 %



34	140,000	426.257,520	4.593.635,900	124,014	121,914	2.000 %	2.000 %
34	140,735 alz	426.257,773	4.593.636,589	124,030	121,896	2.000 %	2.000 %
34	140,888 pla	426.257,826	4.593.636,733	124,033	121,893	2.000 %	2.000 %
34	160,000	426.264,065	4.593.654,798	123,894	121,506	2.000 %	2.000 %
34	166,987 alz	426.266,346	4.593.661,403	123,583	121,407	2.000 %	2.000 %
34	180,000	426.270,594	4.593.673,702	122,874	121,132	2.000 %	2.000 %
34	200,000	426.277,123	4.593.692,606	121,784	120,772	2.000 %	2.000 %
34	220,000	426.283,653	4.593.711,511	120,694	119,461	2.000 %	2.000 %
34	233,717 alz	426.288,131	4.593.724,476	119,947	118,740	2.000 %	2.000 %
34	240,000	426.290,182	4.593.730,415	119,821	118,294	2.000 %	2.000 %
34	243,717 alz	426.291,395	4.593.733,928	119,747	117,959	2.000 %	2.000 %
34	260,000	426.296,711	4.593.749,319	118,497	117,062	2.000 %	2.000 %
34	280,000	426.303,240	4.593.768,223	116,963	115,815	2.000 %	2.000 %
34	300,000	426.309,770	4.593.787,127	115,429	114,093	2.000 %	2.000 %
34	320,000	426.316,299	4.593.806,032	113,894	112,460	2.000 %	2.000 %
34	340,000	426.322,828	4.593.824,936	112,360	112,245	2.000 %	2.000 %
34	343,678 pla	426.324,029	4.593.828,412	112,078	112,139	2.000 %	2.000 %
35	0,000 pla	426.282,409	4.593.621,086	123,188	121,213	0.000 %	0.000 %
35	2,502 alz	426.283,225	4.593.623,452	123,141	121,139	0.000 %	0.000 %
35	2,510 alz	426.283,228	4.593.623,459	123,291	121,139	0.000 %	0.000 %
35	5,505 alz	426.284,205	4.593.626,290	123,354	121,056	0.000 %	0.000 %
35	20,000	426.288,934	4.593.639,992	122,737	120,787	0.000 %	0.000 %
35	40,000	426.295,458	4.593.658,898	121,887	120,446	0.000 %	0.000 %
35	60,000	426.301,982	4.593.677,804	121,036	119,701	0.000 %	0.000 %
35	80,000	426.308,506	4.593.696,710	120,186	118,593	0.000 %	0.000 %
35	99,597 alz	426.314,899	4.593.715,235	119,352	117,327	0.000 %	0.000 %
35	100,000	426.315,030	4.593.715,616	119,344	117,301	0.000 %	0.000 %
35	105,297 pla	426.316,758	4.593.720,624	119,238	116,914	0.000 %	0.000 %
35	105,298	426.316,759	4.593.720,624	119,238	116,914	0.000 %	0.000 %
36	0,000 pla	426.330,555	4.593.847,317	112,078	111,674	2.000 %	2.000 %
36	0,259 alz	426.330,639	4.593.847,562	112,083	111,675	2.000 %	2.000 %
36	9,762 alz	426.333,740	4.593.856,545	111,822	111,646	2.000 %	2.000 %
36	20,000	426.337,081	4.593.866,223	111,054	111,376	2.000 %	2.000 %
36	40,000	426.343,607	4.593.885,128	109,554	110,079	2.000 %	2.000 %
36	60,000	426.350,133	4.593.904,033	108,054	107,568	2.000 %	2.000 %
36	70,770 alz	426.353,647	4.593.914,214	107,246	105,948	2.000 %	2.000 %
36	79,104 alz	426.356,366	4.593.922,092	106,853	104,488	2.000 %	2.000 %
36	79,301 per	426.356,431	4.593.922,278	106,849	104,448	2.000 %	2.000 %
37	0,000 pla	426.600,717	4.594.083,871	107,499	104,105	2.000 %	2.000 %
37	20,000	426.611,134	4.594.100,944	109,092	105,166	2.000 %	2.000 %
37	40,000	426.621,552	4.594.118,017	110,684	105,944	2.000 %	2.000 %
37	60,000	426.631,969	4.594.135,089	112,277	106,825	2.000 %	2.000 %
37	60,111 pla	426.632,027	4.594.135,184	112,286	106,831	2.000 %	2.000 %
38	0,000 pla	426.658,447	4.594.178,484	112,933	110,324	2.000 %	2.000 %
38	20,000	426.668,864	4.594.195,557	113,711	112,223	2.000 %	2.000 %
38	40,000	426.679,281	4.594.212,629	114,489	113,963	2.000 %	2.000 %
38	60,000	426.689,698	4.594.229,702	115,268	115,816	2.000 %	2.000 %
38	76,501 per	426.698,293	4.594.243,788	115,909	117,068	2.000 %	2.000 %
38	80,000	426.700,116	4.594.246,775	116,046	116,153	2.000 %	2.000 %
38	80,857 pla	426.700,562	4.594.247,507	116,079	116,068	2.000 %	2.000 %
38	80,858	426.700,563	4.594.247,507	116,079	116,068	2.000 %	2.000 %

39	0,000 pla	426.839,031	4.594.090,614	105,399	104,068	2.000 %	2.000 %
39	20,000	426.837,370	4.594.110,545	105,799	105,014	2.000 %	2.000 %
39	29,519 alz	426.836,579	4.594.120,031	105,989	105,540	2.000 %	2.000 %
39	40,000	426.835,709	4.594.130,476	106,336	106,108	2.000 %	2.000 %
39	49,519 alz	426.834,919	4.594.139,962	106,889	106,897	2.000 %	2.000 %
39	60,000	426.834,048	4.594.150,407	107,623	107,568	2.000 %	2.000 %
39	80,000	426.832,387	4.594.170,338	109,023	109,068	2.000 %	2.000 %
39	81,034 per	426.832,301	4.594.171,367	109,095	108,617	2.000 %	2.000 %
39	86,450 pla	426.831,852	4.594.176,765	109,475	109,475	2.000 %	2.000 %
39	86,451	426.831,852	4.594.176,766	109,475	109,475	2.000 %	2.000 %
40	0,000 pla	426.715,397	4.594.125,930	109,518	105,721	-2.000 %	-2.000 %
40	20,000	426.729,481	4.594.140,130	109,889	106,847	-2.000 %	-2.000 %
40	40,000	426.743,565	4.594.154,330	110,260	108,183	-2.000 %	-2.000 %
40	60,000	426.757,650	4.594.168,530	110,631	109,663	-2.000 %	-2.000 %
40	64,679 pla	426.760,944	4.594.171,852	110,718	110,010	-2.000 %	-2.000 %
40	80,000	426.768,294	4.594.185,295	111,002	111,055	-2.000 %	-2.000 %
40	100,000	426.777,889	4.594.202,844	111,373	112,427	-2.000 %	-2.000 %
40	104,730 per	426.780,158	4.594.206,994	111,461	112,418	-2.000 %	-2.000 %
40	109,060 pla	426.782,235	4.594.210,793	111,541	111,546	-2.000 %	-2.000 %
40	109,061	426.782,235	4.594.210,794	111,541	111,546	-2.000 %	-2.000 %
41	0,000 pla	424.797,584	4.593.449,514	136,816	131,096	-2.000 %	-2.000 %
41	18,386 alz	424.815,450	4.593.453,858	136,138	131,381	-2.000 %	-2.000 %
41	20,000	424.817,018	4.593.454,239	136,083	131,460	-2.000 %	-2.000 %
41	40,000	424.836,452	4.593.458,964	136,128	132,300	-2.000 %	-2.000 %
41	44,598 alz	424.840,920	4.593.460,050	136,329	132,549	-2.000 %	-2.000 %
41	60,000	424.855,886	4.593.463,689	137,121	133,210	-2.000 %	-2.000 %
41	80,000	424.875,320	4.593.468,414	138,150	137,361	-2.000 %	-2.000 %
41	100,000	424.894,753	4.593.473,139	139,179	138,082	-2.000 %	-2.000 %
41	120,000	424.914,187	4.593.477,863	140,207	137,904	-2.000 %	-2.000 %
41	140,000	424.933,621	4.593.482,588	141,236	138,250	-2.000 %	-2.000 %
41	160,000	424.953,055	4.593.487,313	142,265	139,200	-2.000 %	-2.000 %
41	180,000	424.972,489	4.593.492,038	143,294	140,399	-2.000 %	-2.000 %
41	200,000	424.991,923	4.593.496,763	144,322	141,521	-2.000 %	-2.000 %
41	220,000	425.011,357	4.593.501,488	145,351	142,783	-2.000 %	-2.000 %
41	240,000	425.030,791	4.593.506,212	146,380	143,094	-2.000 %	-2.000 %
41	244,345 pla	425.035,012	4.593.507,239	146,603	143,167	-2.000 %	-2.000 %
41	253,678 alz	425.043,987	4.593.509,794	147,083	143,249	-2.000 %	-2.000 %
41	260,000	425.049,941	4.593.511,918	147,328	143,273	-2.000 %	-2.000 %
41	276,327 pla	425.064,722	4.593.518,822	147,222	143,553	-2.000 %	-2.000 %
41	277,787 alz	425.065,999	4.593.519,528	147,161	143,586	-2.000 %	-2.000 %
41	280,000	425.067,936	4.593.520,599	147,061	143,640	-2.000 %	-2.000 %
41	300,000	425.085,440	4.593.530,275	146,161	144,167	-2.000 %	-2.000 %
41	320,000	425.102,943	4.593.539,952	145,261	144,866	-2.000 %	-2.000 %
41	340,000	425.120,446	4.593.549,628	144,361	144,917	-2.000 %	-2.000 %
41	360,000	425.137,950	4.593.559,305	143,461	144,414	-2.000 %	-2.000 %
41	380,000	425.155,453	4.593.568,981	142,561	143,140	-2.000 %	-2.000 %
41	400,000	425.172,957	4.593.578,657	141,661	141,372	-2.000 %	-2.000 %
41	420,000	425.190,460	4.593.588,334	140,761	139,176	-2.000 %	-2.000 %
41	425,134 alz	425.194,953	4.593.590,818	140,530	138,802	-2.000 %	-2.000 %
41	440,000	425.207,963	4.593.598,010	140,303	137,451	-2.000 %	-2.000 %
41	440,085 alz	425.208,038	4.593.598,052	140,304	137,445	-2.000 %	-2.000 %

41	440,575 pla	425.208,466	4.593.598,288	140,312	137,413	-2.000 %	-2.000 %
42	0,000 pla	425.226,005	4.593.607,984	140,618	135,496	0.000 %	0.000 %
42	20,000	425.243,508	4.593.617,661	138,922	134,700	0.000 %	0.000 %
42	40,000	425.261,012	4.593.627,337	137,225	133,979	0.000 %	0.000 %
42	41,673 alz	425.262,476	4.593.628,146	137,083	133,912	0.000 %	0.000 %
42	60,000	425.278,515	4.593.637,013	135,752	133,223	0.000 %	0.000 %
42	67,805 alz	425.285,345	4.593.640,789	135,321	133,409	0.000 %	0.000 %
42	74,862 alz	425.291,522	4.593.644,204	134,969	133,634	0.000 %	0.000 %
42	80,000	425.296,018	4.593.646,690	134,744	133,724	0.000 %	0.000 %
42	100,000	425.313,522	4.593.656,366	134,484	134,086	0.000 %	0.000 %
42	103,296 pla	425.316,406	4.593.657,961	134,535	134,106	0.000 %	0.000 %
42	103,490 alz	425.316,576	4.593.658,055	134,539	134,107	0.000 %	0.000 %
42	120,000	425.330,955	4.593.666,168	134,869	134,373	0.000 %	0.000 %
42	134,355 pla	425.343,343	4.593.673,420	135,157	135,197	0.000 %	0.000 %
42	140,000	425.348,194	4.593.676,308	135,269	135,458	0.000 %	0.000 %
42	160,000	425.365,378	4.593.686,539	135,669	136,819	0.000 %	0.000 %
42	180,000	425.382,563	4.593.696,770	136,069	138,318	0.000 %	0.000 %
42	200,000	425.399,748	4.593.707,001	136,469	139,068	0.000 %	0.000 %
42	220,000	425.416,933	4.593.717,232	136,869	139,206	0.000 %	0.000 %
42	220,250 alz	425.417,148	4.593.717,360	136,874	139,206	0.000 %	0.000 %
42	240,000	425.434,118	4.593.727,464	136,836	138,686	0.000 %	0.000 %
42	248,572 alz	425.441,484	4.593.731,848	136,550	138,163	0.000 %	0.000 %
42	260,000	425.451,303	4.593.737,695	136,059	137,538	0.000 %	0.000 %
42	280,000	425.468,488	4.593.747,926	135,200	136,070	0.000 %	0.000 %
42	300,000	425.485,673	4.593.758,157	134,341	134,997	0.000 %	0.000 %
42	320,000	425.502,858	4.593.768,388	133,483	134,568	0.000 %	0.000 %
42	340,000	425.520,043	4.593.778,619	132,624	133,568	0.000 %	0.000 %
42	360,000	425.537,228	4.593.788,851	131,765	133,068	0.000 %	0.000 %
42	380,000	425.554,413	4.593.799,082	130,906	132,568	0.000 %	0.000 %
42	383,046 pla	425.557,030	4.593.800,640	130,776	132,068	0.000 %	0.000 %
43	0,000 pla	425.353,993	4.593.679,811	135,405	135,932	0.000 %	0.000 %
43	5,000 alz	425.355,532	4.593.675,054	135,305	134,930	0.000 %	0.000 %
43	8,661 pla	425.356,660	4.593.671,571	134,921	134,299	0.000 %	0.000 %
43	20,000	425.360,493	4.593.660,902	133,730	132,225	0.000 %	0.000 %
43	26,690 alz	425.363,071	4.593.654,729	133,027	131,068	0.000 %	0.000 %
43	40,000	425.368,881	4.593.642,757	131,704	129,068	0.000 %	0.000 %
43	60,000	425.379,253	4.593.625,669	129,992	127,608	0.000 %	0.000 %
43	77,913 pla	425.390,119	4.593.611,439	128,742	127,297	0.000 %	0.000 %
43	80,000	425.391,468	4.593.609,846	128,614	127,269	0.000 %	0.000 %
43	92,696 alz	425.399,672	4.593.600,156	127,912	127,289	0.000 %	0.000 %
43	100,000	425.404,391	4.593.594,582	127,547	127,258	0.000 %	0.000 %
43	120,000	425.417,314	4.593.579,318	126,547	126,517	0.000 %	0.000 %
43	140,000	425.430,238	4.593.564,054	125,547	125,609	0.000 %	0.000 %
43	160,000	425.443,161	4.593.548,790	124,547	124,246	0.000 %	0.000 %
43	174,434 pla	425.452,487	4.593.537,774	123,825	124,068	0.000 %	0.000 %
44	0,000 pla	425.468,787	4.593.518,519	124,000	122,139	0.000 %	0.000 %
44	8,806 pla	425.474,476	4.593.511,798	123,296	120,396	0.000 %	0.000 %
44	20,000	425.482,378	4.593.503,886	122,400	121,286	0.000 %	0.000 %
44	26,582 alz	425.487,594	4.593.499,877	121,874	119,706	0.000 %	0.000 %
44	34,930 pla	425.494,726	4.593.495,548	121,229	119,952	0.000 %	0.000 %
44	40,000	425.499,214	4.593.493,188	120,860	118,494	0.000 %	0.000 %

44	60,000	425.516,915	4.593.483,879	119,573	117,848	0.000 %	0.000 %
44	80,000	425.534,617	4.593.474,570	118,552	118,891	0.000 %	0.000 %
44	86,574 alz	425.540,436	4.593.471,510	118,274	118,711	0.000 %	0.000 %
44	100,000	425.552,318	4.593.465,261	117,737	117,727	0.000 %	0.000 %
44	120,000	425.570,020	4.593.455,952	116,937	115,923	0.000 %	0.000 %
44	140,000	425.587,721	4.593.446,643	116,137	116,052	0.000 %	0.000 %
44	160,000	425.605,422	4.593.437,334	115,337	114,437	0.000 %	0.000 %
44	171,667 pla	425.615,748	4.593.431,903	114,870	113,709	0.000 %	0.000 %
44	176,158 pla	425.619,324	4.593.429,217	114,691	113,594	0.000 %	0.000 %
44	180,000	425.621,989	4.593.426,450	114,537	113,568	0.000 %	0.000 %
44	193,502 alz	425.631,355	4.593.416,725	113,997	112,461	0.000 %	0.000 %
44	200,000	425.635,863	4.593.412,045	113,755	112,134	0.000 %	0.000 %
44	220,000	425.649,737	4.593.397,639	113,230	112,118	0.000 %	0.000 %
44	240,000	425.663,610	4.593.383,233	113,038	111,568	0.000 %	0.000 %
44	253,500 alz	425.672,975	4.593.373,510	113,097	111,068	0.000 %	0.000 %
44	260,000	425.677,484	4.593.368,828	113,162	109,637	0.000 %	0.000 %
44	280,000	425.691,357	4.593.354,422	113,362	110,226	0.000 %	0.000 %
44	300,000	425.705,231	4.593.340,016	113,562	110,579	0.000 %	0.000 %
44	309,219 pla	425.711,626	4.593.333,376	113,654	113,621	0.000 %	0.000 %
45	0,000 pla	425.717,933	4.593.326,827	113,620	113,568	0.000 %	0.000 %
45	20,000	425.731,807	4.593.312,421	112,020	108,068	0.000 %	0.000 %
45	40,000	425.745,681	4.593.298,016	110,420	106,752	0.000 %	0.000 %
45	46,286 pla	425.750,041	4.593.293,488	109,917	106,652	0.000 %	0.000 %
45	60,000	425.760,476	4.593.284,625	108,820	106,568	0.000 %	0.000 %
45	71,932 pla	425.770,836	4.593.278,736	107,865	106,386	0.000 %	0.000 %
45	80,000	425.778,170	4.593.275,374	107,220	106,068	0.000 %	0.000 %
45	82,842 alz	425.780,754	4.593.274,189	106,992	106,068	0.000 %	0.000 %
45	100,000	425.796,351	4.593.267,040	105,793	104,568	0.000 %	0.000 %
45	120,000	425.814,532	4.593.258,705	104,832	103,719	0.000 %	0.000 %
45	140,000	425.832,713	4.593.250,371	104,341	104,390	0.000 %	0.000 %
45	142,350 alz	425.834,849	4.593.249,392	104,315	104,458	0.000 %	0.000 %
45	160,000	425.850,894	4.593.242,037	104,138	104,441	0.000 %	0.000 %
45	180,000	425.869,075	4.593.233,703	103,938	104,305	0.000 %	0.000 %
45	194,963 alz	425.882,676	4.593.227,468	103,789	104,225	0.000 %	0.000 %
45	200,000	425.887,255	4.593.225,369	103,730	104,280	0.000 %	0.000 %
45	218,334 pla	425.903,922	4.593.217,729	103,373	104,247	0.000 %	0.000 %
45	220,000	425.905,421	4.593.217,004	103,330	104,247	0.000 %	0.000 %
45	240,000	425.920,282	4.593.203,931	102,663	103,756	0.000 %	0.000 %
45	249,452 pla	425.924,647	4.593.195,572	102,255	103,056	0.000 %	0.000 %
45	254,975 alz	425.926,608	4.593.190,409	101,989	102,167	0.000 %	0.000 %
45	260,000	425.928,392	4.593.185,711	101,737	102,068	0.000 %	0.000 %
45	280,000	425.935,495	4.593.167,015	100,737	101,568	0.000 %	0.000 %
45	300,000	425.942,597	4.593.148,318	99,737	99,708	0.000 %	0.000 %
45	320,000	425.949,699	4.593.129,622	98,737	99,068	0.000 %	0.000 %
45	333,004 alz	425.954,317	4.593.117,465	98,087	98,349	0.000 %	0.000 %
45	340,000	425.956,801	4.593.110,926	97,754	98,057	0.000 %	0.000 %
45	360,000	425.963,904	4.593.092,229	96,980	97,068	0.000 %	0.000 %
45	380,000	425.971,006	4.593.073,533	96,473	96,075	0.000 %	0.000 %
45	385,713 pla	425.973,035	4.593.068,192	96,378	95,372	0.000 %	0.000 %
45	393,004 alz	425.976,252	4.593.061,661	96,287	94,643	0.000 %	0.000 %
45	400,000	425.980,442	4.593.056,071	96,217	94,367	0.000 %	0.000 %

45	408,737 pla	425.986,978	4.593.050,301	96,130	94,251	0.000 %	0.000 %
45	420,000	425.996,212	4.593.043,852	96,017	93,326	0.000 %	0.000 %
45	440,000	426.012,608	4.593.032,399	95,817	94,163	0.000 %	0.000 %
45	448,187 pla	426.019,319	4.593.027,711	95,735	95,568	0.000 %	0.000 %
45	448,188	426.019,320	4.593.027,710	95,735	95,568	0.000 %	0.000 %
47	0,000 pla	426.150,920	4.593.898,746	114,109	115,068	-2.000 %	2.000 %
47	0,235 alz	426.150,996	4.593.898,969	114,104	115,068	-2.000 %	2.000 %
47	13,985 alz	426.155,481	4.593.911,967	113,451	112,875	-2.000 %	2.000 %
47	20,000	426.157,443	4.593.917,653	113,000	112,380	-2.000 %	2.000 %
47	40,000	426.163,967	4.593.936,559	111,500	111,434	-2.000 %	2.000 %
47	60,000	426.170,491	4.593.955,465	110,000	109,543	-2.000 %	2.000 %
47	76,089 alz	426.175,739	4.593.970,673	108,793	107,195	-2.000 %	2.000 %
47	80,000	426.177,014	4.593.974,371	108,511	106,935	-2.000 %	2.000 %
47	100,000	426.183,538	4.593.993,277	107,394	105,553	-2.000 %	2.000 %
47	120,000	426.190,062	4.594.012,183	106,828	104,568	-2.000 %	2.000 %
47	137,810 alz	426.195,871	4.594.029,019	106,787	102,725	-2.000 %	2.000 %
47	140,000	426.196,585	4.594.031,089	106,809	102,068	-2.000 %	2.000 %
47	160,000	426.203,109	4.594.049,995	107,009	102,228	-2.000 %	2.000 %
47	180,000	426.209,633	4.594.068,901	107,209	105,568	-2.000 %	2.000 %
47	184,681 pla	426.211,160	4.594.073,326	107,256	106,036	-2.000 %	2.000 %
47	200,000	426.217,244	4.594.087,369	107,409	105,568	-2.000 %	2.000 %
47	220,000	426.228,277	4.594.104,010	107,609	105,568	-2.000 %	2.000 %
47	226,278 pla	426.232,401	4.594.108,742	107,672	105,568	-2.000 %	2.000 %
47	240,000	426.241,737	4.594.118,799	107,809	105,568	-2.000 %	2.000 %
47	260,000	426.255,344	4.594.133,457	108,009	104,614	-2.000 %	2.000 %
47	280,000	426.268,951	4.594.148,115	108,209	104,590	-2.000 %	2.000 %
47	284,515 alz	426.272,022	4.594.151,424	108,255	104,638	-2.000 %	2.000 %
47	300,000	426.282,557	4.594.162,773	108,509	105,280	-2.000 %	2.000 %
47	320,000	426.296,164	4.594.177,431	109,134	105,872	-2.000 %	2.000 %
47	340,000	426.309,771	4.594.192,089	110,092	103,775	-2.000 %	2.000 %
47	360,000	426.323,378	4.594.206,747	111,384	106,974	-2.000 %	2.000 %
47	368,515 alz	426.329,171	4.594.212,987	112,035	107,315	-2.000 %	2.000 %
47	380,000	426.336,985	4.594.221,404	112,953	108,068	-2.000 %	2.000 %
47	385,201 alz	426.340,523	4.594.225,216	113,369	108,568	-2.000 %	2.000 %
47	400,000	426.350,592	4.594.236,062	114,334	110,296	-2.000 %	2.000 %
47	415,201 alz	426.360,934	4.594.247,203	114,869	111,563	-2.000 %	2.000 %
47	417,608 alz	426.362,571	4.594.248,967	114,918	111,708	-2.000 %	2.000 %
47	420,000	426.364,199	4.594.250,720	114,977	111,865	-2.000 %	2.000 %
47	432,608 alz	426.372,776	4.594.259,961	115,668	113,020	-2.000 %	2.000 %
47	440,000	426.377,805	4.594.265,378	116,259	113,794	-2.000 %	2.000 %
47	460,000	426.391,412	4.594.280,036	117,859	116,149	-2.000 %	2.000 %
47	480,000	426.405,019	4.594.294,694	119,459	118,568	-2.000 %	2.000 %
47	500,000	426.418,626	4.594.309,352	121,059	121,477	-2.000 %	2.000 %
47	505,252 alz	426.422,200	4.594.313,201	121,479	122,068	-2.000 %	2.000 %
47	520,000	426.432,233	4.594.324,010	122,224	123,568	-2.000 %	2.000 %
47	520,654 alz	426.432,678	4.594.324,489	122,237	123,568	-2.000 %	2.000 %
47	527,451 pla	426.437,302	4.594.329,470	122,362	124,567	-2.000 %	2.000 %
47	726,705 per	426.572,863	4.594.475,503	114,886	124,567	-2.000 %	2.000 %
49	0,000 pla	426.060,540	4.593.949,561	117,464	117,991	0.000 %	0.000 %
49	20,000	426.074,158	4.593.964,208	115,911	116,056	0.000 %	0.000 %
49	40,000	426.087,776	4.593.978,855	114,359	114,966	0.000 %	0.000 %

49	60,000	426.101,395	4.593.993,503	112,806	112,589	0.000 %	0.000 %
49	80,000	426.115,013	4.594.008,150	111,253	106,541	0.000 %	0.000 %
49	88,648 pla	426.120,902	4.594.014,483	110,582	105,770	0.000 %	0.000 %
51	0,000 pla	427.204,916	4.592.969,090	85,238	85,252	-2.000 %	-2.000 %
51	20,000	427.187,654	4.592.978,628	85,808	85,657	-2.000 %	-2.000 %
51	23,200 alz	427.185,522	4.592.981,012	85,899	85,790	-2.000 %	-2.000 %
51	40,000	427.178,438	4.592.996,063	86,281	86,088	-2.000 %	-2.000 %
51	60,000	427.180,277	4.593.015,698	86,481	86,108	-2.000 %	-2.000 %
51	80,000	427.192,572	4.593.031,117	86,405	86,008	-2.000 %	-2.000 %
51	82,826 pla	427.194,955	4.593.032,634	86,373	86,098	-2.000 %	-2.000 %
51	100,000	427.210,907	4.593.038,804	86,054	85,512	-2.000 %	-2.000 %
51	106,574 alz	427.217,401	4.593.039,800	85,878	85,258	-2.000 %	-2.000 %
51	120,000	427.230,788	4.593.039,392	85,489	85,068	-2.000 %	-2.000 %
51	123,387 pla	427.234,117	4.593.038,773	85,391	84,662	-2.000 %	-2.000 %
51	140,000	427.248,891	4.593.031,532	84,909	84,568	-2.000 %	-2.000 %
51	145,514 alz	427.252,821	4.593.027,672	84,749	84,592	-2.000 %	-2.000 %
51	160,000	427.259,772	4.593.015,084	84,401	83,754	-2.000 %	-2.000 %
51	180,000	427.259,866	4.592.995,363	84,159	84,568	-2.000 %	-2.000 %
51	200,000	427.249,142	4.592.978,813	84,193	84,568	-2.000 %	-2.000 %
51	206,213 pla	427.244,078	4.592.975,229	84,259	84,696	-2.000 %	-2.000 %
51	220,000	427.231,412	4.592.969,874	84,502	84,722	-2.000 %	-2.000 %
51	228,888 alz	427.222,699	4.592.968,172	84,728	84,847	-2.000 %	-2.000 %
51	240,000	427.211,606	4.592.968,058	85,045	84,981	-2.000 %	-2.000 %
51	246,774 per	427.204,916	4.592.969,090	85,238	85,252	-2.000 %	-2.000 %
51	246,775	427.204,915	4.592.969,090	85,238	85,252	-2.000 %	-2.000 %
54	0,000 pla	426.066,045	4.594.069,087	114,573	105,554	-2.000 %	-2.000 %
54	20,000	426.080,693	4.594.055,470	113,502	104,457	-2.000 %	-2.000 %
54	40,000	426.095,341	4.594.041,852	112,431	104,061	-2.000 %	-2.000 %
54	60,000	426.109,989	4.594.028,234	111,360	109,802	-2.000 %	-2.000 %
54	73,325 pla	426.119,748	4.594.019,162	110,646	105,373	-2.000 %	-2.000 %
54	80,000	426.126,019	4.594.016,874	110,289	103,742	-2.000 %	-2.000 %
54	100,000	426.144,807	4.594.010,018	109,218	102,627	-2.000 %	-2.000 %
54	120,000	426.163,595	4.594.003,162	108,147	103,347	-2.000 %	-2.000 %
54	132,076 per	426.174,940	4.593.999,023	107,500	104,279	-2.000 %	-2.000 %
54	132,077	426.174,941	4.593.999,022	107,500	104,279	-2.000 %	-2.000 %
55	0,000 pla	426.193,733	4.593.992,165	107,513	105,816	-2.000 %	-2.000 %
55	20,000	426.212,521	4.593.985,309	107,434	105,534	-2.000 %	-2.000 %
55	40,000	426.231,309	4.593.978,453	107,356	105,101	-2.000 %	-2.000 %
55	60,000	426.250,098	4.593.971,598	107,277	103,068	-2.000 %	-2.000 %
55	72,697 pla	426.262,025	4.593.967,245	107,227	101,680	-2.000 %	-2.000 %
55	72,698	426.262,026	4.593.967,245	107,227	101,680	-2.000 %	-2.000 %
56	0,000 pla	426.318,452	4.594.186,716	110,417	106,594	-2.000 %	-2.000 %
56	20,000	426.333,895	4.594.174,007	109,913	104,911	-2.000 %	-2.000 %
56	40,000	426.349,338	4.594.161,298	109,409	103,364	-2.000 %	-2.000 %
56	60,000	426.364,782	4.594.148,590	108,905	103,185	-2.000 %	-2.000 %
56	80,000	426.380,225	4.594.135,881	108,401	103,696	-2.000 %	-2.000 %
56	100,000	426.395,668	4.594.123,172	107,897	103,686	-2.000 %	-2.000 %
56	110,302 per	426.403,623	4.594.116,626	107,637	103,924	-2.000 %	-2.000 %
56	110,303	426.403,623	4.594.116,625	107,637	103,924	-2.000 %	-2.000 %
57	0,000 pla	426.423,897	4.594.107,712	108,162	104,143	2.000 %	2.000 %
57	9,387 pla	426.431,146	4.594.101,747	108,115	104,074	2.000 %	2.000 %

57	15,499 pla	426.436,516	4.594.098,918	108,084	104,060	2.000 %	2.000 %
57	20,000	426.440,840	4.594.097,669	108,062	104,089	2.000 %	2.000 %
57	40,000	426.460,055	4.594.092,120	107,962	104,164	2.000 %	2.000 %
57	49,610 pla	426.469,288	4.594.089,454	107,914	104,460	2.000 %	2.000 %
57	52,194 pla	426.471,819	4.594.088,954	107,901	104,519	2.000 %	2.000 %
57	60,000	426.479,579	4.594.088,106	107,862	104,600	2.000 %	2.000 %
57	73,492 alz	426.492,992	4.594.086,639	107,794	104,531	2.000 %	2.000 %
57	80,000	426.499,461	4.594.085,932	107,769	104,493	2.000 %	2.000 %
57	100,000	426.519,342	4.594.083,758	107,779	104,810	2.000 %	2.000 %
57	103,492 alz	426.522,814	4.594.083,379	107,794	104,803	2.000 %	2.000 %
57	120,000	426.539,224	4.594.081,584	107,877	104,702	2.000 %	2.000 %
57	140,000	426.559,106	4.594.079,411	107,977	104,357	2.000 %	2.000 %
57	160,000	426.578,987	4.594.077,237	108,077	104,045	2.000 %	2.000 %
57	169,914 per	426.588,843	4.594.076,159	108,126	103,983	2.000 %	2.000 %
57	169,915	426.588,843	4.594.076,159	108,126	103,983	2.000 %	2.000 %
58	0,000 pla	427.036,209	4.593.493,560	93,865	93,543	-2.000 %	2.000 %
58	20,000	427.055,205	4.593.499,816	93,417	92,318	-2.000 %	2.000 %
58	40,000	427.074,201	4.593.506,073	92,968	91,568	-2.000 %	2.000 %
58	60,000	427.093,197	4.593.512,329	92,520	85,254	-2.000 %	2.000 %
58	80,000	427.112,193	4.593.518,586	92,071	88,068	-2.000 %	2.000 %
58	100,000	427.131,190	4.593.524,843	91,623	88,312	-2.000 %	2.000 %
58	120,000	427.150,186	4.593.531,099	91,175	88,213	-2.000 %	2.000 %
58	134,040 pla	427.163,521	4.593.535,491	90,860	88,359	-2.000 %	2.000 %
58	140,000	427.165,854	4.593.540,976	90,726	88,746	-2.000 %	2.000 %
58	144,989 alz	427.167,807	4.593.545,567	90,614	89,012	-2.000 %	2.000 %
58	160,000	427.173,683	4.593.559,380	90,528	89,998	-2.000 %	2.000 %
58	180,000	427.181,512	4.593.577,784	91,191	91,177	-2.000 %	2.000 %
58	181,393 alz	427.182,058	4.593.579,066	91,271	91,265	-2.000 %	2.000 %
58	182,364 per	427.182,438	4.593.579,959	91,327	91,327	-2.000 %	2.000 %
58	182,365	427.182,438	4.593.579,960	91,327	91,327	-2.000 %	2.000 %
59	0,000 pla	427.148,216	4.593.251,292	88,260	88,420	-2.000 %	2.000 %
59	20,000	427.167,579	4.593.256,298	88,110	86,479	-2.000 %	2.000 %
59	40,000	427.186,943	4.593.261,304	87,960	87,062	-2.000 %	2.000 %
59	43,236 pla	427.190,075	4.593.262,114	87,936	87,029	-2.000 %	2.000 %
59	60,000	427.205,402	4.593.268,906	87,810	86,568	-2.000 %	2.000 %
59	80,000	427.223,687	4.593.277,009	87,660	86,568	-2.000 %	2.000 %
59	100,000	427.241,972	4.593.285,113	87,510	86,568	-2.000 %	2.000 %
59	120,000	427.260,256	4.593.293,216	87,360	82,560	-2.000 %	2.000 %
59	140,000	427.278,541	4.593.301,319	87,210	89,319	-2.000 %	2.000 %
59	141,798 alz	427.280,185	4.593.302,048	87,197	89,497	-2.000 %	2.000 %
59	160,000	427.296,826	4.593.309,423	87,143	87,116	-2.000 %	2.000 %
59	170,438 alz	427.306,369	4.593.313,652	87,187	87,185	-2.000 %	2.000 %
59	174,126 pla	427.309,740	4.593.315,146	87,212	87,212	-2.000 %	2.000 %
60	0,000 pla	426.996,929	4.593.743,910	90,738	90,310	-2.000 %	-2.000 %
60	20,000	427.005,605	4.593.725,890	90,638	90,638	-2.000 %	-2.000 %
60	40,000	427.014,282	4.593.707,870	90,538	90,163	-2.000 %	-2.000 %
60	60,000	427.022,959	4.593.689,850	90,438	89,759	-2.000 %	-2.000 %
60	80,000	427.031,635	4.593.671,830	90,338	89,428	-2.000 %	-2.000 %
60	100,000	427.040,312	4.593.653,811	90,238	89,265	-2.000 %	-2.000 %
60	120,000	427.048,989	4.593.635,791	90,138	89,081	-2.000 %	-2.000 %
60	140,000	427.057,665	4.593.617,771	90,038	88,912	-2.000 %	-2.000 %

60	160,000	427.066,342	4.593.599,751	89,938	89,820	-2.000 %	-2.000 %
60	180,000	427.075,019	4.593.581,731	89,838	89,714	-2.000 %	-2.000 %
60	197,661 alz	427.082,681	4.593.565,818	89,750	89,527	-2.000 %	-2.000 %
60	198,230 pla	427.082,927	4.593.565,306	89,747	89,523	-2.000 %	-2.000 %
60	200,000	427.083,400	4.593.563,610	89,749	89,517	-2.000 %	-2.000 %
60	204,181 pla	427.082,109	4.593.559,760	89,802	89,570	-2.000 %	-2.000 %
60	213,911 alz	427.075,538	4.593.552,585	90,197	90,241	-2.000 %	-2.000 %
60	220,000	427.071,425	4.593.548,094	90,562	90,548	-2.000 %	-2.000 %
60	240,000	427.057,917	4.593.533,346	91,762	91,866	-2.000 %	-2.000 %
60	252,905 per	427.049,201	4.593.523,829	92,536	92,535	-2.000 %	-2.000 %
62	-582,281 per	426.079,620	4.593.941,515	112,296	127,080	-2.000 %	2.000 %
62	0,000 pla	426.475,771	4.594.368,265	123,184	127,080	-2.000 %	2.000 %
62	3,398 alz	426.478,083	4.594.370,756	123,248	127,050	-2.000 %	2.000 %
62	20,000	426.489,378	4.594.382,923	123,282	126,569	-2.000 %	2.000 %
62	40,000	426.502,985	4.594.397,581	122,592	124,472	-2.000 %	2.000 %
62	52,748 alz	426.511,658	4.594.406,923	121,735	123,311	-2.000 %	2.000 %
62	60,000	426.516,592	4.594.412,239	121,155	122,743	-2.000 %	2.000 %
62	80,000	426.530,198	4.594.426,896	119,555	120,510	-2.000 %	2.000 %
62	100,000	426.543,805	4.594.441,554	117,955	118,658	-2.000 %	2.000 %
62	120,000	426.557,412	4.594.456,212	116,355	116,568	-2.000 %	2.000 %
62	128,390 alz	426.563,120	4.594.462,361	115,684	115,837	-2.000 %	2.000 %
62	140,000	426.571,019	4.594.470,870	115,009	114,922	-2.000 %	2.000 %
62	144,290 alz	426.573,938	4.594.474,014	114,889	114,887	-2.000 %	2.000 %
62	144,424 per	426.574,029	4.594.474,113	114,886	114,886	-2.000 %	2.000 %
62	144,425	426.574,030	4.594.474,113	114,886	114,886	-2.000 %	2.000 %
63	0,000 pla	426.230,443	4.594.106,571	107,643	105,878	2.000 %	2.000 %
63	3,612 alz	426.233,655	4.594.104,920	107,582	105,568	2.000 %	2.000 %
63	3,636 alz	426.233,676	4.594.104,909	107,732	105,568	2.000 %	2.000 %
63	10,366 alz	426.239,662	4.594.101,833	107,880	105,568	2.000 %	2.000 %
63	18,547 alz	426.246,938	4.594.098,093	107,838	105,556	2.000 %	2.000 %
63	20,000	426.248,231	4.594.097,429	107,790	105,568	2.000 %	2.000 %
63	40,000	426.266,019	4.594.088,287	107,140	104,568	2.000 %	2.000 %
63	60,000	426.283,807	4.594.079,144	106,490	104,876	2.000 %	2.000 %
63	80,000	426.301,596	4.594.070,002	105,840	102,568	2.000 %	2.000 %
63	97,465 alz	426.317,129	4.594.062,019	105,273	101,170	2.000 %	2.000 %
63	100,000	426.319,384	4.594.060,860	105,194	100,418	2.000 %	2.000 %
63	113,824 alz	426.331,679	4.594.054,541	104,875	98,163	2.000 %	2.000 %
63	120,000	426.337,172	4.594.051,718	104,775	98,025	2.000 %	2.000 %
63	120,881 alz	426.337,956	4.594.051,315	104,761	98,009	2.000 %	2.000 %
63	120,890 alz	426.337,964	4.594.051,311	104,610	98,009	2.000 %	2.000 %
63	124,664 per	426.341,320	4.594.049,586	104,689	97,964	2.000 %	2.000 %
64	0,000 pla	426.340,241	4.594.048,654	104,681	97,913	2.000 %	2.000 %
64	3,587 alz	426.343,125	4.594.046,520	104,615	97,879	2.000 %	2.000 %
64	6,150 alz	426.345,185	4.594.044,996	104,669	97,863	2.000 %	2.000 %
64	6,158 alz	426.345,191	4.594.044,991	104,820	97,863	2.000 %	2.000 %
64	10,317 alz	426.348,534	4.594.042,517	104,907	97,844	2.000 %	2.000 %
64	20,000	426.356,317	4.594.036,756	105,033	97,819	2.000 %	2.000 %
64	30,695 alz	426.364,914	4.594.030,394	104,990	97,793	2.000 %	2.000 %
64	40,000	426.372,394	4.594.024,858	104,869	97,589	2.000 %	2.000 %
64	48,247 pla	426.379,022	4.594.019,953	104,762	97,547	2.000 %	2.000 %
64	60,000	426.388,877	4.594.013,562	104,610	97,761	2.000 %	2.000 %



64	80,000	426.407,201	4.594.005,638	104,351	97,410	2.000 %	2.000 %
64	100,000	426.426,775	4.594.001,719	104,092	97,352	2.000 %	2.000 %
64	109,784 pla	426.436,547	4.594.001,319	103,966	97,275	2.000 %	2.000 %
64	120,000	426.446,762	4.594.001,428	103,833	97,233	2.000 %	2.000 %
64	140,000	426.466,761	4.594.001,640	103,574	97,118	2.000 %	2.000 %
64	155,072 pla	426.481,832	4.594.001,801	103,379	97,068	2.000 %	2.000 %
64	160,000	426.486,759	4.594.001,710	103,315	97,068	2.000 %	2.000 %
64	180,000	426.506,442	4.593.998,433	103,056	97,068	2.000 %	2.000 %
64	200,000	426.524,818	4.593.990,657	102,797	97,068	2.000 %	2.000 %
64	202,279 alz	426.526,782	4.593.989,503	102,768	97,068	2.000 %	2.000 %
64	210,872 pla	426.533,895	4.593.984,686	102,652	97,409	2.000 %	2.000 %
64	214,375 alz	426.536,692	4.593.982,578	102,602	97,403	2.000 %	2.000 %
64	220,000	426.541,184	4.593.979,192	102,521	97,235	2.000 %	2.000 %
64	222,064 alz	426.542,832	4.593.977,950	102,491	97,539	2.000 %	2.000 %
64	222,073 alz	426.542,840	4.593.977,944	102,341	97,539	2.000 %	2.000 %
64	226,099 per	426.546,055	4.593.975,521	102,423	97,526	2.000 %	2.000 %
64	226,100	426.546,056	4.593.975,521	102,423	97,526	2.000 %	2.000 %
65	0,000 pla	426.395,084	4.594.390,814	124,675	124,760	0.000 %	0.000 %
65	4,060 alz	426.398,144	4.594.388,146	124,594	124,763	0.000 %	0.000 %
65	20,000	426.410,160	4.594.377,672	124,224	124,568	0.000 %	0.000 %
65	40,000	426.425,236	4.594.364,530	123,615	124,068	0.000 %	0.000 %
65	53,521 alz	426.435,429	4.594.355,645	123,112	124,478	0.000 %	0.000 %
65	60,000	426.440,312	4.594.351,388	122,853	125,180	0.000 %	0.000 %
65	80,000	426.455,388	4.594.338,246	122,054	126,068	0.000 %	0.000 %
65	100,000	426.470,464	4.594.325,104	121,254	125,750	0.000 %	0.000 %
65	120,000	426.485,541	4.594.311,962	120,455	124,758	0.000 %	0.000 %
65	140,000	426.500,617	4.594.298,820	119,656	123,168	0.000 %	0.000 %
65	149,998 alz	426.508,153	4.594.292,250	119,256	122,054	0.000 %	0.000 %
65	160,000	426.515,693	4.594.285,678	118,874	121,034	0.000 %	0.000 %
65	180,000	426.530,769	4.594.272,536	118,211	119,058	0.000 %	0.000 %
65	200,000	426.545,845	4.594.259,394	117,686	117,000	0.000 %	0.000 %
65	208,419 alz	426.552,191	4.594.253,862	117,505	116,241	0.000 %	0.000 %
65	220,000	426.560,921	4.594.246,252	117,273	115,196	0.000 %	0.000 %
65	228,105 alz	426.567,031	4.594.240,927	117,111	114,660	0.000 %	0.000 %
65	240,000	426.575,997	4.594.233,110	116,803	114,014	0.000 %	0.000 %
65	253,607 alz	426.586,254	4.594.224,169	116,276	113,247	0.000 %	0.000 %
65	260,000	426.591,073	4.594.219,969	115,985	112,963	0.000 %	0.000 %
65	280,000	426.606,149	4.594.206,827	115,075	112,038	0.000 %	0.000 %
65	300,000	426.621,225	4.594.193,685	114,165	111,063	0.000 %	0.000 %
65	320,000	426.636,301	4.594.180,543	113,255	110,118	0.000 %	0.000 %
65	327,807 alz	426.642,186	4.594.175,413	112,900	109,814	0.000 %	0.000 %
65	340,000	426.651,378	4.594.167,401	112,352	109,320	0.000 %	0.000 %
65	350,699 pla	426.659,443	4.594.160,370	111,872	108,792	0.000 %	0.000 %
65	360,000	426.666,423	4.594.154,223	111,454	108,232	0.000 %	0.000 %
65	380,000	426.681,219	4.594.140,768	110,555	107,103	0.000 %	0.000 %
65	400,000	426.695,719	4.594.126,993	109,657	105,876	0.000 %	0.000 %
65	405,771 alz	426.699,846	4.594.122,960	109,398	105,518	0.000 %	0.000 %
65	420,000	426.709,915	4.594.112,906	108,798	104,734	0.000 %	0.000 %
65	440,000	426.723,802	4.594.098,513	108,091	103,660	0.000 %	0.000 %
65	460,000	426.737,372	4.594.083,822	107,540	102,778	0.000 %	0.000 %
65	470,105 alz	426.744,105	4.594.076,287	107,322	102,451	0.000 %	0.000 %

65	480,000	426.750,618	4.594.068,838	107,128	102,117	0.000 %	0.000 %
65	493,300 alz	426.759,245	4.594.058,716	106,868	101,213	0.000 %	0.000 %
65	500,000	426.763,535	4.594.053,570	106,728	100,902	0.000 %	0.000 %
65	520,000	426.776,117	4.594.038,023	106,207	99,992	0.000 %	0.000 %
65	540,000	426.788,358	4.594.022,207	105,534	98,996	0.000 %	0.000 %
65	544,306 alz	426.790,948	4.594.018,767	105,368	98,785	0.000 %	0.000 %
65	560,000	426.800,251	4.594.006,128	104,753	97,780	0.000 %	0.000 %
65	580,000	426.811,791	4.593.989,794	103,969	97,653	0.000 %	0.000 %
65	600,000	426.822,973	4.593.973,212	103,186	97,653	0.000 %	0.000 %
65	620,000	426.833,791	4.593.956,391	102,402	97,653	0.000 %	0.000 %
65	637,605 pla	426.843,008	4.593.941,392	101,712	97,653	0.000 %	0.000 %
65	637,606	426.843,009	4.593.941,391	101,712	97,653	0.000 %	0.000 %
66	0,000 pla	426.948,230	4.593.727,809	97,959	94,554	0.000 %	0.000 %
66	20,000	426.956,627	4.593.709,657	97,759	95,239	0.000 %	0.000 %
66	40,000	426.965,024	4.593.691,505	97,559	95,096	0.000 %	0.000 %
66	60,000	426.973,421	4.593.673,353	97,359	94,780	0.000 %	0.000 %
66	80,000	426.981,818	4.593.655,201	97,159	94,316	0.000 %	0.000 %
66	86,688 alz	426.984,626	4.593.649,132	97,092	93,939	0.000 %	0.000 %
66	100,000	426.990,215	4.593.637,050	96,935	92,712	0.000 %	0.000 %
66	120,000	426.998,612	4.593.618,898	96,609	92,533	0.000 %	0.000 %
66	128,335 alz	427.002,111	4.593.611,333	96,441	93,111	0.000 %	0.000 %
66	140,000	427.007,009	4.593.600,746	96,193	93,564	0.000 %	0.000 %
66	160,000	427.015,406	4.593.582,594	95,768	93,624	0.000 %	0.000 %
66	180,000	427.023,803	4.593.564,442	95,343	93,760	0.000 %	0.000 %
66	200,000	427.032,200	4.593.546,290	94,918	93,169	0.000 %	0.000 %
66	220,000	427.040,597	4.593.528,138	94,492	92,887	0.000 %	0.000 %
66	240,000	427.048,993	4.593.509,986	94,067	92,693	0.000 %	0.000 %
66	260,000	427.057,390	4.593.491,834	93,642	92,353	0.000 %	0.000 %
66	280,000	427.065,787	4.593.473,682	93,217	91,381	0.000 %	0.000 %
66	300,000	427.074,184	4.593.455,531	92,792	90,661	0.000 %	0.000 %
66	320,000	427.082,581	4.593.437,379	92,366	90,588	0.000 %	0.000 %
66	340,000	427.090,978	4.593.419,227	91,941	90,348	0.000 %	0.000 %
66	360,000	427.099,375	4.593.401,075	91,516	90,215	0.000 %	0.000 %
66	380,000	427.107,772	4.593.382,923	91,091	90,011	0.000 %	0.000 %
66	400,000	427.116,169	4.593.364,771	90,666	89,548	0.000 %	0.000 %
66	420,000	427.124,566	4.593.346,619	90,240	89,068	0.000 %	0.000 %
66	440,000	427.132,963	4.593.328,467	89,815	88,068	0.000 %	0.000 %
66	460,000	427.141,360	4.593.310,315	89,390	87,068	0.000 %	0.000 %
66	480,000	427.149,757	4.593.292,163	88,965	87,457	0.000 %	0.000 %
66	494,042 alz	427.155,652	4.593.279,419	88,666	87,383	0.000 %	0.000 %
66	500,000	427.158,153	4.593.274,011	88,545	85,223	0.000 %	0.000 %
66	506,707 pla	427.160,969	4.593.267,925	88,420	86,913	0.000 %	0.000 %
66	520,000	427.166,454	4.593.255,816	88,213	87,538	0.000 %	0.000 %
66	532,890 alz	427.171,587	4.593.243,992	88,061	87,519	0.000 %	0.000 %
66	540,000	427.174,340	4.593.237,437	87,991	87,309	0.000 %	0.000 %
66	560,000	427.181,783	4.593.218,874	87,793	86,054	0.000 %	0.000 %
66	580,000	427.188,779	4.593.200,137	87,596	85,422	0.000 %	0.000 %
66	600,000	427.195,323	4.593.181,239	87,398	85,312	0.000 %	0.000 %
66	620,000	427.201,411	4.593.162,189	87,200	85,335	0.000 %	0.000 %
66	640,000	427.207,041	4.593.142,998	87,002	84,991	0.000 %	0.000 %
66	660,000	427.212,209	4.593.123,678	86,805	84,855	0.000 %	0.000 %

66	672,737 pla	427.215,258	4.593.111,311	86,679	84,918	0.000 %	0.000 %
66	680,000	427.216,942	4.593.104,246	86,607	84,946	0.000 %	0.000 %
66	700,000	427.221,581	4.593.084,791	86,409	85,140	0.000 %	0.000 %
66	720,000	427.226,220	4.593.065,337	86,211	84,959	0.000 %	0.000 %
66	732,472 pla	427.229,113	4.593.053,206	86,088	85,169	0.000 %	0.000 %
70	0,000 pla	425.466,398	4.592.738,225	103,349	103,321	-2.000 %	-2.000 %
70	20,000	425.485,694	4.592.743,485	102,946	102,860	-2.000 %	-2.000 %
70	40,000	425.504,990	4.592.748,745	102,542	102,529	-2.000 %	-2.000 %
70	45,116 alz	425.509,925	4.592.750,090	102,439	102,401	-2.000 %	-2.000 %
70	60,000	425.524,286	4.592.754,005	102,161	102,232	-2.000 %	-2.000 %
70	80,000	425.543,582	4.592.759,265	101,857	102,026	-2.000 %	-2.000 %
70	95,985 alz	425.559,004	4.592.763,469	101,672	101,935	-2.000 %	-2.000 %
70	100,000	425.562,878	4.592.764,525	101,632	101,885	-2.000 %	-2.000 %
70	120,000	425.582,174	4.592.769,785	101,432	101,615	-2.000 %	-2.000 %
70	126,656 pla	425.588,596	4.592.771,535	101,365	101,511	-2.000 %	-2.000 %
70	140,000	425.601,342	4.592.775,476	101,232	101,330	-2.000 %	-2.000 %
70	159,603 pla	425.619,517	4.592.782,799	101,036	101,237	-2.000 %	-2.000 %
70	160,000	425.619,877	4.592.782,965	101,032	101,237	-2.000 %	-2.000 %
70	173,813 pla	425.632,332	4.592.788,937	100,893	101,279	-2.000 %	-2.000 %
70	180,000	425.637,873	4.592.791,689	100,832	101,270	-2.000 %	-2.000 %
70	200,000	425.655,786	4.592.800,585	100,632	101,148	-2.000 %	-2.000 %
70	211,241 alz	425.665,854	4.592.805,585	100,519	101,062	-2.000 %	-2.000 %
70	220,000	425.673,699	4.592.809,481	100,421	100,990	-2.000 %	-2.000 %
70	240,000	425.691,611	4.592.818,377	100,123	100,795	-2.000 %	-2.000 %
70	258,295 alz	425.707,997	4.592.826,514	99,757	100,499	-2.000 %	-2.000 %
70	258,498 pla	425.708,179	4.592.826,605	99,753	100,495	-2.000 %	-2.000 %
70	258,499	425.708,180	4.592.826,605	99,753	100,495	-2.000 %	-2.000 %
71	0,000 pla	425.708,179	4.592.826,605	99,753	100,495	-2.000 %	-2.000 %
71	15,809 pla	425.722,447	4.592.833,412	99,399	100,219	-2.000 %	-2.000 %
71	20,000	425.726,250	4.592.835,173	99,305	99,886	-2.000 %	-2.000 %
71	31,604 pla	425.736,702	4.592.840,213	99,045	99,677	-2.000 %	-2.000 %
71	40,000	425.744,221	4.592.843,948	98,857	99,502	-2.000 %	-2.000 %
71	54,447 alz	425.757,161	4.592.850,374	98,534	99,184	-2.000 %	-2.000 %
71	60,000	425.762,134	4.592.852,844	98,412	99,082	-2.000 %	-2.000 %
71	80,000	425.780,046	4.592.861,740	98,017	98,245	-2.000 %	-2.000 %
71	100,000	425.797,959	4.592.870,636	97,687	97,497	-2.000 %	-2.000 %
71	115,129 alz	425.811,509	4.592.877,366	97,483	96,999	-2.000 %	-2.000 %
71	120,000	425.815,872	4.592.879,532	97,423	96,820	-2.000 %	-2.000 %
71	140,000	425.833,784	4.592.888,428	97,178	94,365	-2.000 %	-2.000 %
71	160,000	425.851,697	4.592.897,324	96,932	95,672	-2.000 %	-2.000 %
71	180,000	425.869,609	4.592.906,221	96,687	95,756	-2.000 %	-2.000 %
71	200,000	425.887,522	4.592.915,117	96,442	95,417	-2.000 %	-2.000 %
71	220,000	425.905,434	4.592.924,013	96,196	95,430	-2.000 %	-2.000 %
71	240,000	425.923,347	4.592.932,909	95,951	94,738	-2.000 %	-2.000 %
71	255,253 pla	425.937,008	4.592.939,693	95,764	95,047	-2.000 %	-2.000 %
71	260,000	425.940,886	4.592.942,400	95,705	95,236	-2.000 %	-2.000 %
71	261,178 pla	425.941,712	4.592.943,240	95,691	95,294	-2.000 %	-2.000 %
71	262,583 per	425.942,658	4.592.944,278	95,674	95,370	-2.000 %	-2.000 %
71	263,025 alz	425.942,956	4.592.944,605	95,668	95,394	-1.929 %	-1.929 %
71	274,972 per	425.951,008	4.592.953,431	95,557	95,852	0.000 %	0.000 %
71	280,000	425.954,396	4.592.957,146	95,532	95,806	0.812 %	0.812 %

71	287,275 alz	425.959,299	4.592.962,521	95,518	95,721	1.986 %	1.986 %
71	287,361 per	425.959,357	4.592.962,584	95,518	95,719	2.000 %	2.000 %
71	293,137 pla	425.963,250	4.592.966,852	95,517	95,639	2.000 %	2.000 %
71	297,196 pla	425.966,703	4.592.968,978	95,516	95,515	2.000 %	2.000 %
71	300,000	425.969,194	4.592.970,265	95,516	95,376	2.000 %	2.000 %
71	320,000	425.987,179	4.592.979,010	95,513	95,003	2.000 %	2.000 %
71	334,900 alz	426.000,811	4.592.985,023	95,511	94,742	2.000 %	2.000 %
71	334,917 pla	426.000,827	4.592.985,030	95,511	94,741	2.000 %	2.000 %
71	340,000	426.004,598	4.592.988,438	95,542	95,273	2.000 %	2.000 %
71	340,451 pla	426.004,932	4.592.988,741	95,545	95,328	2.000 %	2.000 %
71	344,321 pla	426.008,228	4.592.990,723	95,568	95,568	2.000 %	2.000 %
72	0,000 pla	425.708,179	4.592.826,605	99,753	100,475	-2.000 %	-2.000 %
72	0,725 alz	425.708,834	4.592.826,916	99,737	100,463	-2.000 %	-2.000 %
72	20,000	425.727,429	4.592.826,311	99,160	99,197	-2.000 %	-2.000 %
72	30,019 pla	425.734,825	4.592.819,693	98,738	98,063	-2.000 %	-2.000 %
72	40,000	425.740,479	4.592.811,468	98,235	97,015	-2.000 %	-2.000 %
72	52,476 alz	425.747,546	4.592.801,187	97,489	95,700	-2.000 %	-2.000 %
72	60,000	425.751,809	4.592.794,986	97,000	95,439	-2.000 %	-2.000 %
72	80,000	425.763,138	4.592.778,505	95,700	95,069	-2.000 %	-2.000 %
72	90,555 pla	425.769,118	4.592.769,807	95,014	94,208	-2.000 %	-2.000 %
72	93,792 alz	425.770,739	4.592.767,009	94,803	93,844	-2.000 %	-2.000 %
72	100,000	425.772,568	4.592.761,100	94,455	93,958	-2.000 %	-2.000 %
72	120,000	425.766,444	4.592.742,848	94,081	93,911	-2.000 %	-2.000 %
72	120,499 pla	425.766,082	4.592.742,504	94,086	93,922	-2.000 %	-2.000 %
72	134,833 alz	425.755,567	4.592.732,764	94,542	94,542	-2.000 %	-2.000 %
72	140,000	425.751,776	4.592.729,253	94,812	94,814	-2.000 %	-2.000 %
72	160,000	425.737,103	4.592.715,662	95,857	95,831	-2.000 %	-2.000 %
72	164,858 alz	425.733,538	4.592.712,361	96,111	96,066	-2.000 %	-2.000 %
72	180,000	425.722,430	4.592.702,071	96,673	96,405	-2.000 %	-2.000 %
72	200,000	425.707,757	4.592.688,481	96,713	96,568	-2.000 %	-2.000 %
72	220,000	425.693,084	4.592.674,890	95,952	96,068	-2.000 %	-2.000 %
72	234,229 alz	425.682,645	4.592.665,221	94,924	94,568	-2.000 %	-2.000 %
72	238,629 alz	425.679,417	4.592.662,231	94,543	94,068	-2.000 %	-2.000 %
72	240,000	425.678,411	4.592.661,300	94,427	94,068	-2.000 %	-2.000 %
72	260,000	425.663,738	4.592.647,709	93,152	93,068	-2.000 %	-2.000 %
72	280,000	425.649,065	4.592.634,118	92,677	92,568	-2.000 %	-2.000 %
72	300,000	425.634,392	4.592.620,528	93,002	93,060	-2.000 %	-2.000 %
72	302,257 alz	425.632,736	4.592.618,994	93,089	93,139	-2.000 %	-2.000 %
72	313,650 alz	425.624,378	4.592.611,253	93,554	93,568	-2.000 %	-2.000 %
72	320,000	425.619,719	4.592.606,937	93,772	93,568	-2.000 %	-2.000 %
72	340,000	425.605,046	4.592.593,347	93,934	93,568	-2.000 %	-2.000 %
72	360,000	425.590,373	4.592.579,756	93,295	93,222	-2.000 %	-2.000 %
72	365,006 alz	425.586,701	4.592.576,355	93,010	93,138	-2.000 %	-2.000 %
72	371,565 alz	425.581,888	4.592.571,897	92,604	92,842	-2.000 %	-2.000 %
72	380,000	425.575,700	4.592.566,166	92,126	92,032	-2.000 %	-2.000 %
72	388,740 pla	425.569,288	4.592.560,226	91,724	91,580	-2.000 %	-2.000 %
72	400,000	425.559,652	4.592.554,573	91,348	90,888	-2.000 %	-2.000 %
72	420,000	425.540,190	4.592.555,948	91,070	91,268	-2.000 %	-2.000 %
72	427,903 pla	425.533,724	4.592.560,440	91,098	91,051	-2.000 %	-2.000 %
72	440,000	425.524,949	4.592.568,767	91,292	91,202	-2.000 %	-2.000 %
72	460,000	425.510,440	4.592.582,533	92,014	91,860	-2.000 %	-2.000 %

72	467,109 pla	425.505,283	4.592.587,426	92,391	92,015	-2.000 %	-2.000 %
72	474,971 pla	425.500,714	4.592.593,767	92,882	92,651	-2.000 %	-2.000 %
72	480,000	425.498,584	4.592.598,323	93,236	93,121	-2.000 %	-2.000 %
72	493,229 alz	425.492,982	4.592.610,307	94,319	94,345	-2.000 %	-2.000 %
72	500,000	425.490,114	4.592.616,441	94,930	94,965	-2.000 %	-2.000 %
72	520,000	425.481,645	4.592.634,559	96,733	96,768	-2.000 %	-2.000 %
72	540,000	425.473,175	4.592.652,677	98,535	98,529	-2.000 %	-2.000 %
72	560,000	425.464,706	4.592.670,795	100,338	100,246	-2.000 %	-2.000 %
72	565,280 alz	425.462,470	4.592.675,578	100,814	100,634	-2.000 %	-2.000 %
72	576,296 pla	425.457,805	4.592.685,558	101,697	101,441	-2.000 %	-2.000 %
72	580,000	425.456,540	4.592.689,034	101,944	101,789	-2.000 %	-2.000 %
72	600,000	425.460,653	4.592.707,842	102,848	103,091	-2.000 %	-2.000 %
72	609,457 pla	425.468,095	4.592.713,548	103,022	102,759	-2.000 %	-2.000 %
72	620,000	425.477,683	4.592.717,933	103,025	102,647	-2.000 %	-2.000 %
72	622,075 alz	425.479,570	4.592.718,796	103,001	102,652	-2.000 %	-2.000 %
72	640,000	425.495,871	4.592.726,251	102,766	102,300	-2.000 %	-2.000 %
72	660,000	425.514,059	4.592.734,569	102,504	102,048	-2.000 %	-2.000 %
72	680,000	425.532,247	4.592.742,887	102,241	101,703	-2.000 %	-2.000 %
72	700,000	425.550,435	4.592.751,206	101,979	101,510	-2.000 %	-2.000 %
72	720,000	425.568,623	4.592.759,524	101,716	101,430	-2.000 %	-2.000 %
72	740,000	425.586,811	4.592.767,842	101,454	101,351	-2.000 %	-2.000 %
72	741,691 alz	425.588,349	4.592.768,545	101,432	101,344	-2.000 %	-2.000 %
72	760,000	425.604,999	4.592.776,160	101,207	101,272	-2.000 %	-2.000 %
72	773,891 alz	425.617,632	4.592.781,938	101,056	101,240	-2.000 %	-2.000 %
72	774,310 per	425.618,013	4.592.782,112	101,052	101,239	-2.000 %	-2.000 %
73	0,000 pla	425.870,323	4.592.906,576	96,677	95,593	-2.000 %	2.000 %
73	19,656 alz	425.884,110	4.592.892,565	96,138	94,568	-2.000 %	2.000 %
73	20,000	425.884,351	4.592.892,320	96,114	94,568	-2.000 %	2.000 %
73	40,000	425.898,379	4.592.878,064	94,714	93,997	-2.000 %	2.000 %
73	60,000	425.912,407	4.592.863,809	93,314	92,213	-2.000 %	2.000 %
73	80,000	425.926,435	4.592.849,553	91,914	91,063	-2.000 %	2.000 %
73	100,000	425.940,463	4.592.835,298	90,514	89,686	-2.000 %	2.000 %
73	120,000	425.954,490	4.592.821,042	89,114	89,070	-2.000 %	2.000 %
73	131,745 alz	425.962,728	4.592.812,671	88,292	88,155	-2.000 %	2.000 %
73	140,000	425.968,518	4.592.806,787	87,763	87,662	-2.000 %	2.000 %
73	158,829 pla	425.981,724	4.592.793,366	86,920	87,068	-2.000 %	2.000 %
73	160,000	425.982,557	4.592.792,542	86,885	86,715	-2.000 %	2.000 %
73	166,745 alz	425.987,744	4.592.788,240	86,717	86,681	-2.000 %	2.000 %
73	180,000	425.999,517	4.592.782,256	86,452	86,408	-2.000 %	2.000 %
73	198,004 pla	426.017,266	4.592.780,063	86,092	86,092	-2.000 %	2.000 %
74	0,000 pla	426.184,576	4.592.746,323	82,785	82,785	2.000 %	2.000 %
74	0,194 alz	426.184,697	4.592.746,474	82,779	82,780	2.000 %	2.000 %
74	20,000	426.197,108	4.592.761,910	82,401	81,544	2.000 %	2.000 %
74	40,000	426.209,640	4.592.777,497	82,588	82,592	2.000 %	2.000 %
74	40,947 alz	426.210,233	4.592.778,236	82,611	82,607	2.000 %	2.000 %
74	41,153 alz	426.210,362	4.592.778,396	82,617	82,611	2.000 %	2.000 %
74	58,353 alz	426.221,140	4.592.791,801	82,677	83,106	2.000 %	2.000 %
74	59,319 pla	426.221,745	4.592.792,553	82,659	83,118	2.000 %	2.000 %
74	60,000	426.222,130	4.592.793,115	82,647	83,128	2.000 %	2.000 %
74	80,000	426.233,445	4.592.809,607	82,287	82,430	2.000 %	2.000 %
74	100,000	426.244,760	4.592.826,098	81,927	82,171	2.000 %	2.000 %

74	120,000	426.256,075	4.592.842,590	81,567	81,900	2.000 %	2.000 %
74	135,659 pla	426.264,934	4.592.855,502	81,285	81,553	2.000 %	2.000 %
74	136,188 alz	426.265,244	4.592.855,930	81,276	81,554	2.000 %	2.000 %
74	140,000	426.268,078	4.592.858,445	81,201	81,514	2.000 %	2.000 %
74	147,588 alz	426.275,395	4.592.859,596	81,016	81,337	2.000 %	2.000 %
74	151,208 pla	426.278,706	4.592.858,179	80,917	81,068	2.000 %	2.000 %
74	160,000	426.286,033	4.592.853,321	80,675	78,587	2.000 %	2.000 %
74	180,000	426.302,702	4.592.842,269	80,125	79,501	2.000 %	2.000 %
74	186,248 pla	426.307,909	4.592.838,817	79,953	79,953	2.000 %	2.000 %
75	0,000 pla	426.271,721	4.592.864,002	81,336	81,619	2.000 %	2.000 %
75	0,408 alz	426.271,947	4.592.864,341	81,338	81,648	2.000 %	2.000 %
75	8,758 alz	426.276,561	4.592.871,301	81,607	82,216	2.000 %	2.000 %
75	20,000	426.282,773	4.592.880,671	82,281	82,558	2.000 %	2.000 %
75	40,000	426.293,825	4.592.897,340	83,481	82,872	2.000 %	2.000 %
75	60,000	426.304,877	4.592.914,009	84,681	83,569	2.000 %	2.000 %
75	80,000	426.315,928	4.592.930,678	85,881	83,543	2.000 %	2.000 %
75	89,992 pla	426.321,450	4.592.939,005	86,481	83,636	2.000 %	2.000 %
75	100,000	426.327,859	4.592.946,666	87,081	85,778	2.000 %	2.000 %
75	120,000	426.344,865	4.592.956,876	88,281	88,502	2.000 %	2.000 %
75	123,087 pla	426.347,828	4.592.957,742	88,467	88,806	2.000 %	2.000 %
75	129,227 alz	426.353,777	4.592.959,260	88,835	89,062	2.000 %	2.000 %
75	140,000	426.364,215	4.592.961,924	89,365	89,829	2.000 %	2.000 %
75	156,727 alz	426.380,423	4.592.966,060	89,729	90,817	2.000 %	2.000 %
75	160,000	426.383,594	4.592.966,869	89,745	90,939	2.000 %	2.000 %
75	162,800 pla	426.386,307	4.592.967,562	89,759	90,930	2.000 %	2.000 %
75	178,814 pla	426.402,196	4.592.968,706	89,839	90,826	2.000 %	2.000 %
75	180,000	426.403,375	4.592.968,581	89,845	90,839	2.000 %	2.000 %
75	200,000	426.423,263	4.592.966,465	89,945	92,476	2.000 %	2.000 %
75	220,000	426.443,150	4.592.964,349	90,045	89,475	2.000 %	2.000 %
75	240,000	426.463,038	4.592.962,233	90,145	91,484	2.000 %	2.000 %
75	260,000	426.482,926	4.592.960,117	90,245	90,039	2.000 %	2.000 %
75	261,811 pla	426.484,726	4.592.959,926	90,254	90,004	2.000 %	2.000 %
75	280,000	426.502,886	4.592.959,101	90,345	90,438	2.000 %	2.000 %
75	300,000	426.522,804	4.592.960,737	90,445	90,912	2.000 %	2.000 %
75	320,000	426.542,328	4.592.965,006	90,545	90,905	2.000 %	2.000 %
75	340,000	426.561,111	4.592.971,832	90,645	91,593	2.000 %	2.000 %
75	344,399 pla	426.565,109	4.592.973,666	90,667	91,608	2.000 %	2.000 %
75	360,000	426.579,194	4.592.980,376	90,745	90,568	2.000 %	2.000 %
75	365,508 alz	426.584,167	4.592.982,745	90,773	90,453	2.000 %	2.000 %
75	373,311 pla	426.591,211	4.592.986,101	90,799	90,496	2.000 %	2.000 %
75	380,000	426.596,918	4.592.989,568	90,803	90,260	2.000 %	2.000 %
75	390,508 alz	426.604,159	4.592.997,121	90,773	90,197	2.000 %	2.000 %
75	400,000	426.608,369	4.593.005,592	90,725	90,012	2.000 %	2.000 %
75	420,000	426.608,654	4.593.025,285	90,625	91,185	2.000 %	2.000 %
75	420,666 alz	426.608,457	4.593.025,922	90,622	91,396	2.000 %	2.000 %
75	425,857 pla	426.606,498	4.593.030,723	90,641	91,051	2.000 %	2.000 %
75	440,000	426.600,142	4.593.043,357	91,148	91,474	2.000 %	2.000 %
75	452,166 alz	426.594,675	4.593.054,226	92,118	91,373	2.000 %	2.000 %
75	460,000	426.591,154	4.593.061,224	92,901	91,539	2.000 %	2.000 %
75	480,000	426.582,166	4.593.079,090	94,901	93,413	2.000 %	2.000 %
75	482,328 alz	426.581,120	4.593.081,170	95,134	94,083	2.000 %	2.000 %

75	494,328 alz	426.575,727	4.593.091,890	95,854	95,860	2.000 %	2.000 %
75	494,493 per	426.575,653	4.593.092,037	95,858	95,858	2.000 %	2.000 %
75	494,494	426.575,652	4.593.092,038	95,858	95,857	2.000 %	2.000 %
76	0,000 pla	427.086,646	4.593.442,882	89,765	90,397	2.000 %	2.000 %
76	20,000	427.105,643	4.593.449,139	89,515	89,568	2.000 %	2.000 %
76	20,753 pla	427.106,358	4.593.449,375	89,505	89,568	2.000 %	2.000 %
76	26,562 pla	427.111,657	4.593.447,950	89,433	89,205	2.000 %	2.000 %
76	40,000	427.120,592	4.593.437,912	89,265	89,046	2.000 %	2.000 %
76	60,000	427.133,890	4.593.422,973	89,015	88,902	2.000 %	2.000 %
76	80,000	427.147,187	4.593.408,034	88,765	88,661	2.000 %	2.000 %
76	100,000	427.160,485	4.593.393,095	88,515	88,512	2.000 %	2.000 %
76	120,000	427.173,783	4.593.378,157	88,265	88,655	2.000 %	2.000 %
76	140,000	427.187,080	4.593.363,218	88,015	88,068	2.000 %	2.000 %
76	149,736 alz	427.193,554	4.593.355,945	87,893	88,068	2.000 %	2.000 %
76	160,000	427.200,378	4.593.348,279	87,589	87,568	2.000 %	2.000 %
76	169,986 alz	427.207,018	4.593.340,819	86,957	86,574	2.000 %	2.000 %
76	180,000	427.213,676	4.593.333,340	86,155	85,627	2.000 %	2.000 %
76	187,426 pla	427.218,613	4.593.327,793	85,561	84,357	2.000 %	2.000 %
76	188,471 pla	427.219,222	4.593.326,946	85,478	84,643	2.000 %	2.000 %
76	200,000	427.224,933	4.593.316,931	84,555	83,910	2.000 %	2.000 %
76	217,406 alz	427.233,557	4.593.301,811	83,163	85,365	2.000 %	2.000 %
76	220,000	427.234,842	4.593.299,558	82,967	85,801	2.000 %	2.000 %
76	228,639 pla	427.239,122	4.593.292,053	82,475	86,891	2.000 %	2.000 %
76	237,206 alz	427.241,992	4.593.283,981	82,232	87,068	2.000 %	2.000 %
76	240,000	427.242,927	4.593.281,349	82,193	83,691	2.000 %	2.000 %
76	243,682 pla	427.244,161	4.593.277,880	82,142	85,348	2.000 %	2.000 %
76	260,000	427.247,654	4.593.261,940	81,913	81,752	2.000 %	2.000 %
76	280,000	427.251,936	4.593.242,404	81,633	81,799	2.000 %	2.000 %
76	300,000	427.256,218	4.593.222,868	81,353	80,853	2.000 %	2.000 %
76	320,000	427.260,500	4.593.203,331	81,073	80,876	2.000 %	2.000 %
76	340,000	427.264,782	4.593.183,795	80,793	81,142	2.000 %	2.000 %
76	360,000	427.269,064	4.593.164,259	80,513	80,891	2.000 %	2.000 %
76	366,708 pla	427.270,501	4.593.157,707	80,419	80,901	2.000 %	2.000 %
76	380,000	427.274,444	4.593.145,013	80,233	80,908	2.000 %	2.000 %
76	400,000	427.280,377	4.593.125,913	79,953	80,906	2.000 %	2.000 %
76	420,000	427.286,310	4.593.106,813	79,673	80,894	2.000 %	2.000 %
76	440,000	427.292,243	4.593.087,714	79,393	80,876	2.000 %	2.000 %
76	460,000	427.298,176	4.593.068,614	79,113	79,531	2.000 %	2.000 %
76	480,000	427.304,108	4.593.049,514	78,833	78,628	2.000 %	2.000 %
76	481,655 pla	427.304,599	4.593.047,934	78,810	78,624	2.000 %	2.000 %
76	500,000	427.309,072	4.593.030,142	78,553	78,234	2.000 %	2.000 %
76	520,000	427.313,949	4.593.010,746	78,273	78,043	2.000 %	2.000 %
76	536,038 pla	427.317,859	4.592.995,192	78,049	77,410	2.000 %	2.000 %
76	540,000	427.319,218	4.592.991,470	77,993	77,305	2.000 %	2.000 %
76	549,643 alz	427.322,526	4.592.982,412	77,858	77,049	2.000 %	2.000 %
76	560,000	427.326,079	4.592.972,684	77,740	76,982	2.000 %	2.000 %
76	580,000	427.332,939	4.592.953,897	77,664	76,636	2.000 %	2.000 %
76	600,000	427.339,799	4.592.935,110	77,787	76,523	2.000 %	2.000 %
76	601,850 alz	427.340,433	4.592.933,372	77,809	76,520	2.000 %	2.000 %
76	620,000	427.346,659	4.592.916,324	78,028	77,192	2.000 %	2.000 %
76	640,000	427.353,519	4.592.897,537	78,270	78,280	2.000 %	2.000 %

76	645,618 pla	427.355,446	4.592.892,260	78,338	78,418	2.000 %	2.000 %
76	653,275 pla	427.352,648	4.592.885,919	78,431	78,568	2.000 %	2.000 %
76	660,000	427.346,426	4.592.883,366	78,513	78,568	2.000 %	2.000 %
76	680,000	427.327,924	4.592.875,772	78,755	78,812	2.000 %	2.000 %
76	700,000	427.309,422	4.592.868,178	78,997	79,041	2.000 %	2.000 %
76	720,000	427.290,920	4.592.860,584	79,239	79,328	2.000 %	2.000 %
76	740,000	427.272,417	4.592.852,990	79,481	79,483	2.000 %	2.000 %
76	760,000	427.253,915	4.592.845,397	79,723	79,858	2.000 %	2.000 %
76	773,517 pla	427.241,410	4.592.840,264	79,886	79,886	2.000 %	2.000 %
77	0,000 pla	424.506,517	4.593.524,035	150,337	146,435	2.000 %	2.000 %
77	20,000	424.513,773	4.593.505,398	148,737	145,568	2.000 %	2.000 %
77	20,979 pla	424.514,128	4.593.504,486	148,659	145,514	2.000 %	2.000 %
77	40,000	424.520,797	4.593.486,672	147,137	144,545	2.000 %	2.000 %
77	60,000	424.527,304	4.593.467,761	145,537	143,839	2.000 %	2.000 %
77	80,000	424.533,288	4.593.448,678	143,937	142,926	2.000 %	2.000 %
77	100,000	424.538,745	4.593.429,438	142,337	141,785	2.000 %	2.000 %
77	120,000	424.543,671	4.593.410,054	140,737	140,721	2.000 %	2.000 %
77	140,000	424.548,063	4.593.390,543	139,137	139,260	2.000 %	2.000 %
77	140,526 alz	424.548,171	4.593.390,029	139,095	139,230	2.000 %	2.000 %
77	160,000	424.551,916	4.593.370,919	137,959	138,199	2.000 %	2.000 %
77	166,626 alz	424.553,073	4.593.364,395	137,764	137,768	2.000 %	2.000 %
77	180,000	424.555,228	4.593.351,195	137,470	137,500	2.000 %	2.000 %
77	200,000	424.557,997	4.593.331,389	137,030	136,860	2.000 %	2.000 %
77	220,000	424.560,220	4.593.311,513	136,590	136,408	2.000 %	2.000 %
77	240,000	424.561,895	4.593.291,584	136,150	135,963	2.000 %	2.000 %
77	250,858 pla	424.562,576	4.593.280,748	135,911	135,568	2.000 %	2.000 %
77	260,000	424.563,080	4.593.271,619	135,710	135,568	2.000 %	2.000 %
77	272,113 pla	424.563,748	4.593.259,525	135,443	135,476	2.000 %	2.000 %
77	278,497 pla	424.560,467	4.593.254,551	135,303	135,397	2.000 %	2.000 %
77	280,000	424.559,054	4.593.254,037	135,270	135,383	2.000 %	2.000 %
77	297,104 pla	424.542,983	4.593.248,184	134,894	135,068	2.000 %	2.000 %
77	300,000	424.540,690	4.593.246,482	134,830	134,574	2.000 %	2.000 %
77	304,936 pla	424.539,987	4.593.241,796	134,721	134,111	2.000 %	2.000 %
77	320,000	424.545,078	4.593.227,618	134,390	126,050	2.000 %	2.000 %
77	340,000	424.551,837	4.593.208,795	133,950	124,568	2.000 %	2.000 %
77	360,000	424.558,596	4.593.189,972	133,510	133,370	2.000 %	2.000 %
77	380,000	424.565,355	4.593.171,148	133,070	132,951	2.000 %	2.000 %
77	385,547 pla	424.567,230	4.593.165,927	132,948	132,872	2.000 %	2.000 %
77	398,944 pla	424.570,024	4.593.152,867	132,653	132,568	2.000 %	2.000 %
77	400,000	424.570,105	4.593.151,813	132,630	132,311	2.000 %	2.000 %
77	417,453 pla	424.571,444	4.593.134,412	132,246	132,568	2.000 %	2.000 %
77	420,000	424.571,659	4.593.131,874	132,190	132,568	2.000 %	2.000 %
77	440,000	424.574,667	4.593.112,113	131,750	132,068	2.000 %	2.000 %
77	460,000	424.579,987	4.593.092,846	131,310	131,568	2.000 %	2.000 %
77	480,000	424.587,544	4.593.074,341	130,870	131,001	2.000 %	2.000 %
77	489,822 pla	424.592,044	4.593.065,612	130,654	130,568	2.000 %	2.000 %
77	500,000	424.596,968	4.593.056,705	130,430	130,430	2.000 %	2.000 %
77	501,655 alz	424.597,769	4.593.055,257	130,393	130,346	2.000 %	2.000 %
77	516,409 alz	424.604,907	4.593.042,344	130,025	129,568	2.000 %	2.000 %
77	520,000	424.606,645	4.593.039,202	129,924	129,429	2.000 %	2.000 %
77	540,000	424.616,321	4.593.021,698	129,364	128,568	2.000 %	2.000 %



77	560,000	424.625,998	4.593.004,195	128,804	127,835	2.000 %	2.000 %
77	580,000	424.635,675	4.592.986,692	128,244	127,479	2.000 %	2.000 %
77	600,000	424.645,351	4.592.969,189	127,684	127,912	2.000 %	2.000 %
77	620,000	424.655,028	4.592.951,685	127,124	126,498	2.000 %	2.000 %
77	640,000	424.664,705	4.592.934,182	126,564	125,841	2.000 %	2.000 %
77	660,000	424.674,381	4.592.916,679	126,004	125,371	2.000 %	2.000 %
77	680,000	424.684,058	4.592.899,176	125,444	124,744	2.000 %	2.000 %
77	700,000	424.693,735	4.592.881,673	124,884	124,769	2.000 %	2.000 %
77	720,000	424.703,411	4.592.864,169	124,324	124,090	2.000 %	2.000 %
77	740,000	424.713,088	4.592.846,666	123,764	123,407	2.000 %	2.000 %
77	757,867 pla	424.721,732	4.592.831,030	123,264	122,887	2.000 %	2.000 %
77	760,000	424.722,779	4.592.829,171	123,204	122,899	2.000 %	2.000 %
77	780,000	424.733,977	4.592.812,622	122,644	121,603	2.000 %	2.000 %
77	800,000	424.747,496	4.592.797,907	122,084	121,499	2.000 %	2.000 %
77	810,729 alz	424.755,602	4.592.790,884	121,784	121,568	2.000 %	2.000 %
77	820,000	424.763,038	4.592.785,349	121,449	121,404	2.000 %	2.000 %
77	827,616 pla	424.769,419	4.592.781,193	121,061	121,068	2.000 %	2.000 %
77	830,729 alz	424.772,074	4.592.779,569	120,874	120,649	2.000 %	2.000 %
77	840,000	424.779,982	4.592.774,730	120,289	120,568	2.000 %	2.000 %
77	860,000	424.797,042	4.592.764,291	119,029	118,860	2.000 %	2.000 %
77	880,000	424.814,102	4.592.753,853	117,769	117,779	2.000 %	2.000 %
77	900,000	424.831,162	4.592.743,414	116,509	116,500	2.000 %	2.000 %
77	920,000	424.848,222	4.592.732,976	115,249	115,537	2.000 %	2.000 %
77	940,000	424.865,281	4.592.722,537	113,989	114,025	2.000 %	2.000 %
77	960,000	424.882,341	4.592.712,099	112,729	112,469	2.000 %	2.000 %
77	980,000	424.899,401	4.592.701,660	111,469	111,125	2.000 %	2.000 %
77	983,184 pla	424.902,117	4.592.699,998	111,269	111,002	2.000 %	2.000 %
77	983,944 alz	424.902,764	4.592.699,600	111,221	110,998	2.000 %	2.000 %
77	1.000,000	424.915,828	4.592.690,285	110,281	110,068	2.000 %	2.000 %
77	1.020,000	424.930,259	4.592.676,468	109,311	109,485	2.000 %	2.000 %
77	1.040,000	424.942,305	4.592.660,529	108,562	108,568	2.000 %	2.000 %
77	1.048,744 alz	424.946,741	4.592.652,997	108,305	108,068	2.000 %	2.000 %
77	1.051,530 pla	424.948,043	4.592.650,533	108,230	108,068	2.000 %	2.000 %
77	1.060,000	424.951,915	4.592.643,000	108,001	108,068	2.000 %	2.000 %
77	1.080,000	424.961,061	4.592.625,214	107,461	107,568	2.000 %	2.000 %
77	1.100,000	424.970,206	4.592.607,427	106,921	107,004	2.000 %	2.000 %
77	1.120,000	424.979,351	4.592.589,641	106,381	106,397	2.000 %	2.000 %
77	1.140,000	424.988,497	4.592.571,854	105,841	105,925	2.000 %	2.000 %
77	1.145,527 pla	424.991,024	4.592.566,939	105,692	105,692	2.000 %	2.000 %
78	0,000 pla	424.864,543	4.592.749,036	114,802	114,802	2.000 %	2.000 %
78	20,000	424.872,181	4.592.767,520	114,102	114,042	2.000 %	2.000 %
78	40,000	424.879,819	4.592.786,004	113,402	113,336	2.000 %	2.000 %
78	60,000	424.887,457	4.592.804,489	112,702	112,666	2.000 %	2.000 %
78	77,598 alz	424.894,177	4.592.820,752	112,086	112,068	2.000 %	2.000 %
78	80,000	424.895,095	4.592.822,973	112,008	111,941	2.000 %	2.000 %
78	97,598 alz	424.901,815	4.592.839,236	111,786	111,786	2.000 %	2.000 %
78	100,000	424.902,733	4.592.841,457	111,798	111,799	2.000 %	2.000 %
78	120,000	424.910,371	4.592.859,941	111,898	111,941	2.000 %	2.000 %
78	123,173 alz	424.911,582	4.592.862,873	111,914	111,952	2.000 %	2.000 %
78	140,000	424.918,009	4.592.878,425	111,870	111,897	2.000 %	2.000 %
78	142,973 alz	424.919,144	4.592.881,172	111,835	111,891	2.000 %	2.000 %

78	160,000	424.925,647	4.592.896,909	111,614	111,564	2.000 %	2.000 %
78	180,000	424.933,285	4.592.915,393	111,354	111,348	2.000 %	2.000 %
78	197,464 pla	424.939,954	4.592.931,533	111,127	110,925	2.000 %	2.000 %
78	200,000	424.941,058	4.592.933,815	111,094	110,765	2.000 %	2.000 %
78	220,000	424.957,021	4.592.944,639	110,834	110,690	2.000 %	2.000 %
78	235,243 pla	424.971,575	4.592.941,328	110,635	110,628	2.000 %	2.000 %
78	240,000	424.975,558	4.592.938,728	110,574	110,543	2.000 %	2.000 %
78	260,000	424.992,307	4.592.927,797	110,314	110,436	2.000 %	2.000 %
78	276,188 alz	425.005,864	4.592.918,950	110,103	110,020	2.000 %	2.000 %
78	280,000	425.009,056	4.592.916,867	110,112	109,708	2.000 %	2.000 %
78	296,563 alz	425.022,927	4.592.907,814	111,499	110,170	2.000 %	2.000 %
78	300,000	425.025,805	4.592.905,936	112,014	110,541	2.000 %	2.000 %
78	311,262 pla	425.035,236	4.592.899,781	113,704	111,553	2.000 %	2.000 %
78	320,000	425.043,392	4.592.896,878	115,014	112,568	2.000 %	2.000 %
78	335,974 alz	425.058,059	4.592.901,833	117,410	117,561	2.000 %	2.000 %
78	339,897 pla	425.060,604	4.592.904,811	117,948	118,037	2.000 %	2.000 %
78	340,000	425.060,662	4.592.904,895	117,960	118,068	2.000 %	2.000 %
78	355,474 alz	425.069,413	4.592.917,656	119,068	119,068	2.000 %	2.000 %
78	360,000	425.071,973	4.592.921,389	119,158	119,186	2.000 %	2.000 %
78	380,000	425.083,285	4.592.937,883	119,558	119,550	2.000 %	2.000 %
78	400,000	425.094,597	4.592.954,377	119,958	119,568	2.000 %	2.000 %
78	403,251 alz	425.096,435	4.592.957,058	120,023	119,568	2.000 %	2.000 %
78	420,000	425.105,908	4.592.970,871	119,762	119,420	2.000 %	2.000 %
78	440,000	425.117,220	4.592.987,364	117,885	117,724	2.000 %	2.000 %
78	443,201 alz	425.119,030	4.592.990,004	117,427	117,275	2.000 %	2.000 %
78	445,637 pla	425.120,408	4.592.992,013	117,061	117,061	2.000 %	2.000 %
78	445,638	425.120,409	4.592.992,014	117,061	117,061	2.000 %	2.000 %
79	0,000 pla	424.515,067	4.593.506,211	148,789	145,658	5.300 %	5.300 %
79	11,198 alz	424.525,486	4.593.510,314	149,014	146,295	5.300 %	5.300 %
79	15,000 per	424.529,024	4.593.511,706	148,938	146,515	5.300 %	5.300 %
79	20,000	424.533,676	4.593.513,538	148,839	146,772	4.388 %	4.388 %
79	28,356 alz	424.541,451	4.593.516,599	148,673	148,099	2.863 %	2.863 %
79	40,000	424.552,286	4.593.520,865	148,232	147,891	0.738 %	0.738 %
79	44,041 per	424.556,046	4.593.522,345	147,982	147,753	0.000 %	0.000 %
79	48,539 alz	424.560,232	4.593.523,993	147,644	147,650	-0.821 %	-0.821 %
79	55,000 per	424.566,243	4.593.526,360	147,114	147,120	-2.000 %	-2.000 %
79	60,000	424.570,896	4.593.528,192	146,704	146,685	-2.000 %	-2.000 %
79	80,000	424.589,505	4.593.535,519	145,064	145,068	-2.000 %	-2.000 %
79	85,670 pla	424.594,781	4.593.537,596	144,599	144,285	-2.000 %	-2.000 %
79	100,000	424.608,692	4.593.540,814	143,424	142,068	-2.000 %	-2.000 %
79	113,451 pla	424.622,076	4.593.540,023	142,321	141,064	-2.000 %	-2.000 %
79	120,000	424.628,498	4.593.538,736	141,784	140,568	-2.000 %	-2.000 %
79	140,000	424.648,108	4.593.534,807	140,144	138,568	-2.000 %	-2.000 %
79	160,000	424.667,718	4.593.530,879	138,504	134,573	-2.000 %	-2.000 %
79	165,702 alz	424.673,309	4.593.529,759	138,037	134,826	-2.000 %	-2.000 %
79	180,000	424.687,329	4.593.526,950	137,432	135,304	-2.000 %	-2.000 %
79	186,762 alz	424.693,959	4.593.525,622	137,542	135,314	-2.000 %	-2.000 %
79	200,000	424.706,939	4.593.523,021	138,005	135,695	-2.000 %	-2.000 %
79	220,000	424.726,549	4.593.519,093	138,705	136,306	-2.000 %	-2.000 %
79	240,000	424.746,160	4.593.515,164	139,405	136,494	-2.000 %	-2.000 %
79	260,000	424.765,770	4.593.511,235	140,105	136,925	-2.000 %	-2.000 %

79	268,037 alz	424.773,650	4.593.509,657	140,387	136,905	-2.000 %	-2.000 %
79	273,179 pla	424.778,692	4.593.508,646	140,401	137,083	-2.000 %	-2.000 %
79	277,235 alz	424.781,941	4.593.506,408	140,180	136,996	-2.000 %	-2.000 %
79	278,852 pla	424.782,569	4.593.504,925	140,050	136,723	-2.000 %	-2.000 %
79	280,000	424.782,840	4.593.503,810	139,959	136,629	-2.000 %	-2.000 %
79	300,000	424.787,565	4.593.484,376	138,359	134,885	-2.000 %	-2.000 %
79	312,683 alz	424.790,561	4.593.472,052	137,345	133,557	-2.000 %	-2.000 %
79	320,000	424.792,289	4.593.464,942	136,893	132,855	-2.000 %	-2.000 %
79	332,679 alz	424.795,285	4.593.452,622	136,745	131,568	-2.000 %	-2.000 %
79	336,234 per	424.796,125	4.593.449,167	136,816	131,068	-2.000 %	-2.000 %
79	336,235	424.796,125	4.593.449,166	136,816	131,068	-2.000 %	-2.000 %
80	0,000 pla	426.275,663	4.594.475,607	126,414	126,068	-2.000 %	2.000 %
80	20,000	426.290,819	4.594.462,557	125,923	125,568	-2.000 %	2.000 %
80	40,000	426.305,975	4.594.449,507	125,432	125,568	-2.000 %	2.000 %
80	55,728 per	426.317,893	4.594.439,244	125,046	126,068	-2.000 %	2.000 %
81	0,000 pla	427.127,140	4.593.341,055	90,110	88,606	2.000 %	2.000 %
81	11,513 alz	427.137,589	4.593.345,888	90,340	88,373	2.000 %	2.000 %
81	20,000	427.145,292	4.593.349,452	90,222	88,541	2.000 %	2.000 %
81	21,513 alz	427.146,665	4.593.350,087	90,140	88,584	2.000 %	2.000 %
81	40,000	427.163,444	4.593.357,849	89,031	88,860	2.000 %	2.000 %
81	52,140 alz	427.174,462	4.593.362,946	88,303	88,568	2.000 %	2.000 %
81	60,000	427.181,596	4.593.366,246	88,064	88,430	2.000 %	2.000 %
81	62,140 alz	427.183,538	4.593.367,144	88,080	88,068	2.000 %	2.000 %
81	62,177 per	427.183,571	4.593.367,159	88,081	88,068	2.000 %	2.000 %
82	0,000 pla	427.207,850	4.593.140,092	86,976	85,022	2.000 %	2.000 %
82	11,453 alz	427.218,843	4.593.143,305	87,207	82,219	2.000 %	2.000 %
82	16,453 alz	427.223,643	4.593.144,708	86,907	81,568	2.000 %	2.000 %
82	20,000	427.227,047	4.593.145,704	86,411	81,404	2.000 %	2.000 %
82	40,000	427.246,243	4.593.151,316	83,611	81,393	2.000 %	2.000 %
82	60,000	427.265,440	4.593.156,928	80,811	80,956	2.000 %	2.000 %
82	60,541 alz	427.265,959	4.593.157,079	80,735	80,956	2.000 %	2.000 %
82	65,122 pla	427.270,356	4.593.158,365	80,432	80,956	2.000 %	2.000 %
82	65,123	427.270,357	4.593.158,365	80,432	80,956	2.000 %	2.000 %