



REGIONE DEL VENETO

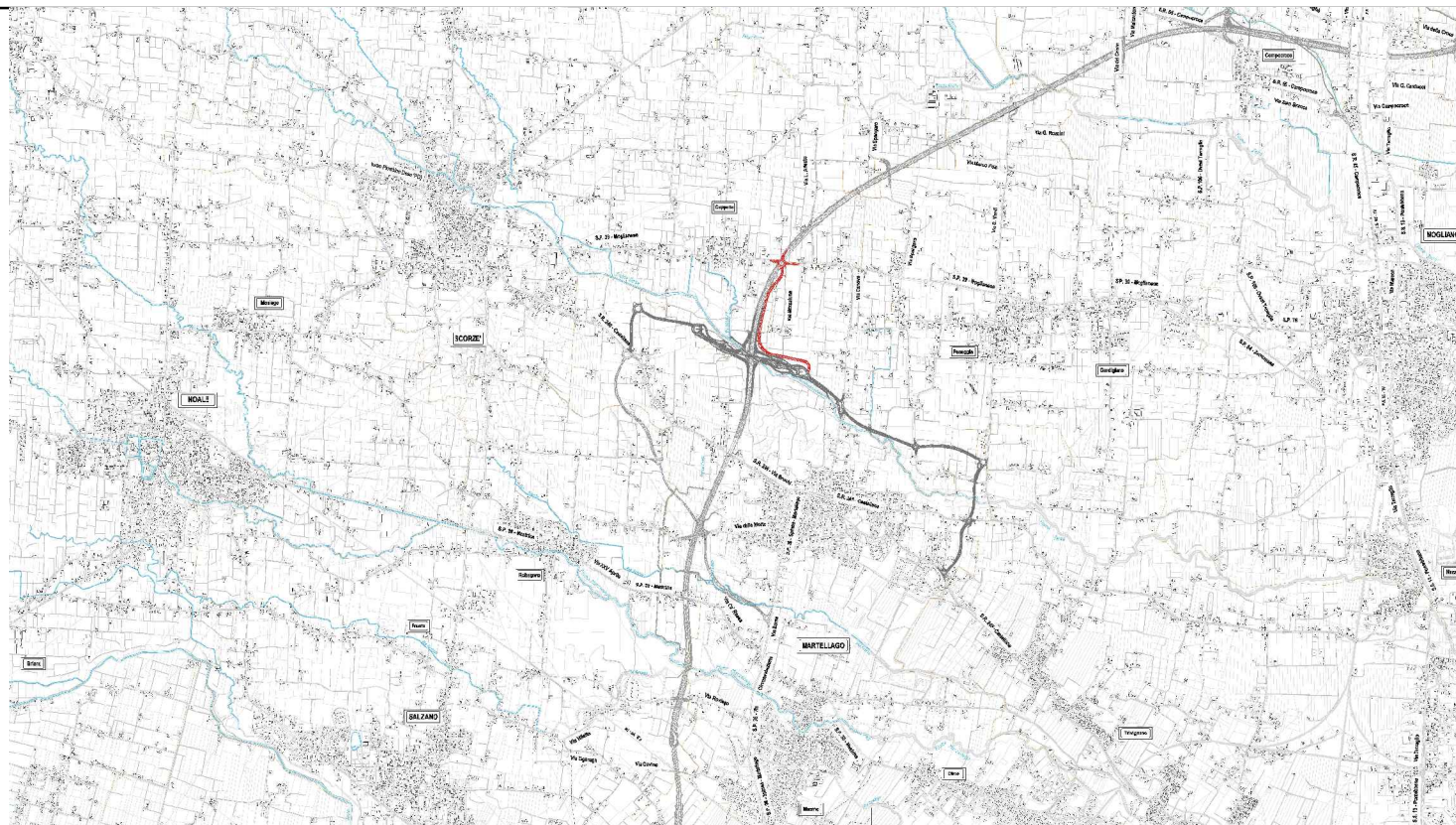
GIUNTA REGIONALE

SEGRETERIA REGIONALE ALLE INFRASTRUTTURE E MOBILITA'

DIREZIONE INFRASTRUTTURE DI TRASPORTO



VENETO STRADE S.P.A.



OPERE COMPLEMENTARI AL PASSANTE DI MESTRE

IL RESPONSABILE DEL PROCEDIMENTO
ING. GABRIELLA MANGINELLI

COORDINATORE DEL PROGETTO
DOTT. URB. ENRICO VESCOVO

PROGETTISTI
ING. LUCIO ZOLLET
Progettazione generale infrastrutture

CONTROLLATO ED APPROVATO
ING. GABRIELLA MANGINELLI

CITTÀ METROPOLITANA DI VENEZIA
COMUNI DI: MARTELLAGO E SCORZÈ

OPERA: BRETELLA DI COLLEGAMENTO TRA LA STAZIONE DI
MARTELLAGO-SCORZÈ E LA S.P. N. 39 "Moglianesa"

INTERVENTO N.
LD6000

- PROGETTO DEFINITIVO -

ELABORATO N.

PARTE GENERALE
RELAZIONI
Geologia

SCALA:

Integrazione geologica e geotecnica

DATA:

SETTEMBRE 2020 00

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PROGETTAZIONE GENERALE
INFRASTRUTTURA

ZOLLET INGEGNERIA Srl
Viale Stazione, 40
32035 S. Giustina (BL)

☐ VALIDAZIONE:

PROTOCOLLO _____

DEL _____

OPERE COMPLEMENTARI AL PASSANTE DI MESTRE		
PROGETTO DEFINITIVO	Progettazione: Elaborato:	ZOLLET INGEGNERIA S.r.l. BRETELLA DI COLLEGAMENTO TRA LA STAZIONE DI MARTELLAGO-SCORZE' E LA S.P. N. 39 "Moglianese" Integrazione geologica e geotecnica

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1 PREMESSA

La progettazione della Bretella di collegamento tra la S.P.39 e la rotatoria Est del nuovo casello autostradale di Martellago-Scorzè (Autostrada A4, "Passante di Mestre") prevede la realizzazione di una struttura sopraelevata per superare l'esistente opera d'imbocco del sottopasso del passante. Le strutture di fondazione in cemento armato previste sono elementi di larghezza 3,50 m, lunghezza 15,90 m e spessore 1,50 m intestate su pali cilindrici trivellati di diametro esterno pari a 600 mm e lunghezza 10,50 m.

Per valutare la stabilità e la sicurezza di tali fondazioni, è necessario definire le condizioni stratigrafiche e le caratteristiche dei materiali presenti nel sito di esecuzione; per questo motivo, in aggiunta alle prove geognostiche eseguite nella zona d'interesse, è stato realizzato un ulteriore sondaggio a carotaggio continuo e due prove penetrometriche statiche tipo CPTU in prossimità dell'area che ospiterà il cavalcavia.

La presente relazione integrativa descrive i risultati delle prove, effettuate nel mese di aprile dal *Centro studi geotecnici Sas.*

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2 IMPOSTAZIONE DELL'INDAGINE

Le indagini geognostiche descritte nella presente relazione hanno permesso di valutare con maggiore precisione la composizione geotecnica del sottosuolo e di verificare la successione stratigrafica, già delineata con prove precedenti.

Le prove eseguite in corrispondenza della zona di sottopasso sono:

- n°1 prova penetrometrica statica tipo SCPTU (piezocono sismico) fino ad una profondità di 27,36 m, con acquisizione sismica durante la fase di discesa;
- n°1 prova penetrometrica statica tipo CPTU fino ad una profondità di 25,24 m;
- n°1 sondaggio a carotaggio continuo S1 fino ad una profondità di 25,00 m.

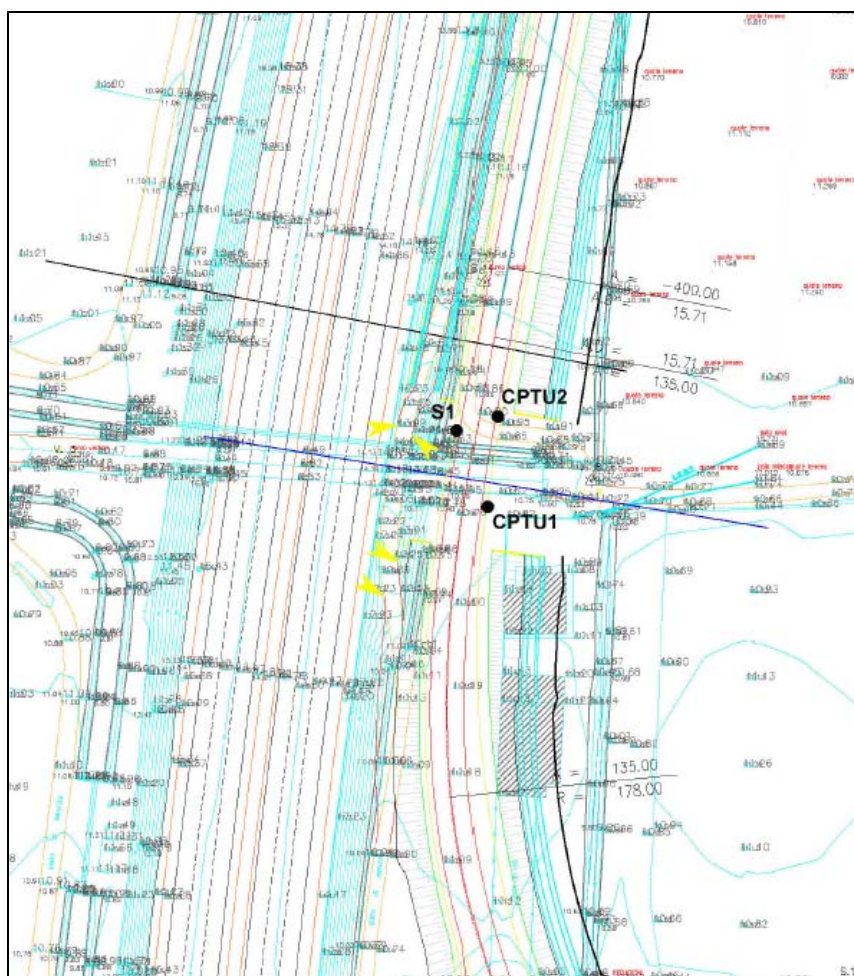
L'ubicazione delle indagini è la seguente:

	CPTU 1	CPTU 2	S1
Latitudine	45° 33' 41.37" N	45° 33' 42.03" N	45° 33' 41.92" N
Longitudine	12° 09' 2.78" E	12° 9' 2.80" E	12° 09' 2.43" E

OPERE COMPLEMENTARI AL PASSANTE DI MESTRE

PROGETTO DEFINITIVO

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Nell'ambito dei sondaggi, sono stati eseguiti i seguenti rilievi:

- n°1 prova di permeabilità a carico variabile tipo Lefranc, collocata nel tratto di profondità compresa tra 4.0 e 4.5 m;
- n°1 prova SPT, collocata nel tratto posto tra 8.50 e 8.95 m;
- n°1 prelievo di terreno a carattere disturbato, corrispondente al terreno attraversato dalla prova SPT;
- n°1 prelievo di terreno a carattere indisturbato, nel tratto di profondità posto tra 16.65-17.25 m.

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3 RISULTATI

Un esame delle carote ottenute dal sondaggio ha permesso di valutare la sequenza stratigrafica riportata di seguito.

Litologia	Profondità da p.c. [m]
Terreno agricolo di copertura, limo sabbioso e rari ciottoli	0.20
Limo debolmente argilloso grigio marrone	0.80
Limo debolmente sabbioso marrone rossiccio	1.00
Limo argilloso grigio-nocciola con venature ossidate	1.20
Limo argilloso sabbioso nocciola	1.50
Limo sabbioso argilloso	1.80
Limo sabbioso grigio con venature sabbiose	2.00
Sabbia fine nocciola	4.14
Sabbia fine nocciola con zone ossidate	4.50
Sabbia medio-fine grigio nocciola	6.00
Sabbia medio-grossolana grigia	9.40
Sabbia grossolana con ghiaia e ciottoli sparsi	10.00
Sabbia grossolana con ghiaia e ciottoli sparsi	11.70
Sabbia fine limosa grigia	12.00
Sabbia grossolana grigia con raro ghiaio	13.70
Argilla debolmente limosa grigia plastica con sottili intercalazioni di sabbia grigia	14.60
Sabbia medio-fine grigio scuro	14.80
Limo grigio molle talora con livelli sabbiosi	16.20
Torba marrone nerastra	16.50
Limo argilloso grigio	17.80
Limo sabbioso grigio	18.60
Limo argilloso grigio con frequenti giunti sabbiosi	19.80
Sabbia medio-fine grigia	20.00
Sabbia medio-fine grigia	20.70
Limo argilloso grigio con giunti carboniosi neri e giunti sabbiosi (tra 22.6 e 22.7 m torba marrone)	23.10
Sabbia medio-fine grigio scuro	24.50
Argilla limosa grigia	24.80
Limo sabbioso grigio	25.00
Terreno prevalentemente coesivo (torbe, terreni organici, da argille ad argille limose)	
Terreni misti e/o alternanza coesivo-incoerente (da argille limose a limi argillosi, limi, da limi sabbiosi a sabbie limose)	
Terreno prevalentemente incoerente (sabbie limose, sabbie, ghiaie sabbiose)	

La falda si trova ad una profondità da piano campagna pari a 1,57 m.

Il materiale carotato e prelevato nel corso del sondaggio è stato alloggiato in apposite cassette catalogatrici, classificato dal punto di vista geotecnico e fotografato (*Allegato 1*).

Esaminando nel complesso i risultati delle due prove CPTU (riportate in

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Allegato 2) e del sondaggio, si rileva che:

- ad iniziare da piano campagna e fino a circa 2 m di profondità sono presenti dei terreni a granulometria limosa e limoso-argillosa, dotati di bassa resistenza, con valori di q_c inferiori a 1 MPa;
- da circa 2 m e fino a 12.6-13.6 m di profondità è presente un livello pressoché continuo di granulometria sabbiosa da fine a medio-grossolana, dotata di densità da media a medio-elevata ; la continuità di tale livello è più evidente nel punto di prova CPTU1, mentre nel punto CPTU2 vi sono varie intercalazioni a bassa resistenza a spessore decimetrico; i valori di q_c sono pertanto compresi tra 6-9 MPa e 15-19 MPa;
- da 12.6-13.6 fino a circa 16 m sono presenti delle ripetute alternanze di terreni argillosi e limoso-argillosi a bassa resistenza (valori di q_c compresi tra 1-2 MPa) e terreni sabbiosi a grana fine o medio-fine a media densità (valori di q_c di 7-11 MPa); gli spessori dei singoli strati sono 20-40 cm e spesso al loro interno vi sono dei micro livelli (qualche centimetro) a differente litologia;
- da circa 16 m e fino a 25.9 m (prova CPTU1) prevalgono gli strati argillosi e/o limoso-argillosi a bassa consistenza ; tale situazione è più evidente al di sotto di 20.7 m, dove inizia a più marcata continuità dei terreni coesivi ; i valori di q_c dei terreni coesivi sono mediamente compresi tra 1.1-1.9 MPa ; nel tratto compreso tra 16-18 m i terreni coesivi presentano talora litologia torbosa e valori di resistenza più bassi (q_c di 0.9-1.3 MPa);
- da 25.9 m (prova CPTU1) e fino a termine prova (27.36 m), è presente un livello ad elevata densità, attribuibile a terreni di caratteristiche sabbiose ; i valori di q_c sono compresi tra 16-29 MPa.

La stratigrafia estrapolata è in linea con i risultati della campagna geognostica realizzata nella fase di progettazione esecutiva del Casello di Martellago.

L'area interessata dall'intervento è caratterizzata da materiale prevalentemente incoerente alternato a terreni misti (coesivo-incoerenti), idoneo ad opere di fondazione; inoltre, in corrispondenza della testa del palo è presente un banco sabbioso che permette un migliore trasferimento del carico, sfruttando la resistenza per attrito e in appoggio tra il palo e il terreno.

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ACQUISIZIONE SISMICA

L'esecuzione della prova penetrometrica 1 con piezocono sismico ha consentito la determinazione del valore caratteristico per ciascuno strato ed il valore mediato della velocità delle onde di taglio (V_s) nell'intervallo di spessore dei primi 30 m di sottosuolo.

Il piezocono sismico consiste fondamentalmente in un piezocono per la misura dei tradizionali valori di resistenza alla punta q_c , resistenza di attrito laterale f_s e pressione neutra U , nella quale sono stati incorporati due geofoni disposti secondo i tre assi X e Y , i quali captano le vibrazioni sismiche generate appositamente in superficie.

La prova penetrometrica sismica (SCPTU) consiste essenzialmente nell'infissione nel terreno del piezocono, procedendo con il normale avanzamento della punta; alla profondità voluta la prova viene arrestata per consentire l'acquisizione sismica.

Nel caso in esame, l'acquisizione dei dati è iniziata a partire da 4.00 m di profondità. La prova è stata condotta seguendo le normative tecniche standard di una prova penetrometrica statica elettrica con piezocono ed è stata arrestata alle profondità di 7.00, 8.00, 15.50, 20.10 e 29.14 metri di profondità per effettuare l'acquisizione dati ai due geofoni incorporati nel piezocono.

L'elaborazione finale consente di definire il seguente valore medio di velocità delle onde di taglio:

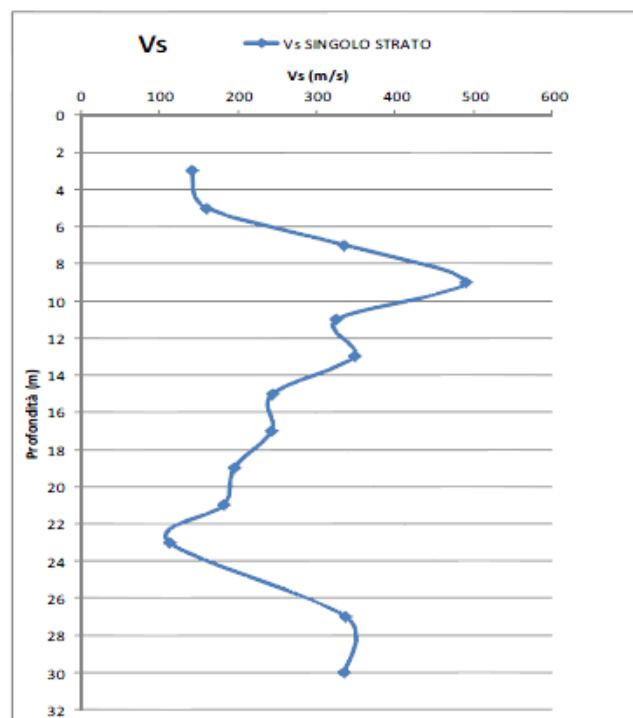
$$V_{s,30} = 227,27 \text{ m/s}$$

Si riportano di seguito il valore caratteristico di V_s per il singolo strato, la rispettiva collocazione in profondità e il grafico ricavato del valore di velocità delle onde di taglio.

Z [m]	ΔT [s]	VELOCITÀ CUMULATA [m/s]	DISTANZA ASTA-GEOFONO [m]	DISTANZA EFFETTIVA [m]	SPESSORE SINGOLO STRATO [m]	ΔT SINGOLO STRATO [s]	VELOCITÀ SINGOLO STRATO [m/s]
3.0	0,0218	137,64	0,70	3,08	3,08	0,0218	141,34
5.0	0,0341	146,71		5,05	1,97	0,0123	160,21
7.0	0,0400	175,00		7,03	1,99	0,0059	335,50
9.0	0,0441	204,23		9,03	1,99	0,0041	489,81
11.0	0,0502	219,17		11,02	2,00	0,0061	325,88
13.0	0,0559	232,44		13,02	2,00	0,0057	347,97
15.0	0,0641	233,94		15,02	2,00	0,0082	243,86
17.0	0,0723	235,03		17,01	2,00	0,0082	243,34
19.0	0,0826	230,09		19,01	2,00	0,0102	195,05
21.0	0,0935	224,54		21,01	2,00	0,0109	182,55
23.0	0,1112	206,80		23,01	2,00	0,0177	112,97
27.0	0,1231	219,40		27,01	4,00	0,0118	337,65
30.0	0,1230	227,27		30,01	2,30	0,0089	335,54

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PROVA SPT

Nel foro di sondaggio S1 è stata condotta una prova penetrometrica dinamica standard. La SPT è un tipo di indagine geotecnica per ricavare e studiare le caratteristiche di un terreno che consiste nel farlo penetrare da un campionatore standardizzato sotto i colpi di un maglio con peso di 63.5kg ed un'altezza di 76cm: quest'ultimo, battendo a caduta libera, infigge l'attrezzo nel terreno. Le misure vengono effettuate per tre avanzamenti consecutivi di 15cm ciascuno, contando il numero di colpi necessari per ogni avanzamento e la resistenza alla penetrazione è data dalla somma del numero di colpi nel secondo e terzo avanzamento (N_{spt}).

La prova è stata eseguita nel foro di sondaggio, presumibilmente utilizzando un campionatore a scarpa tagliente con materiale a granulometria fine, limosa e argillosa, mentre per materiali lapidei una punta conica.

	Profondità prova [m]		N1	N2	N3	N_{SPT}
SPT 1	8.50	8.95	11	28	50	78

PROVA DI PERMEABILITÀ

Nel foro di sondaggio, come detto in precedenza, è stata eseguita una prova di permeabilità a carico variabile (Lefranc) nel tratto di perforazione compresa tra 4.00 e 4.50 m di profondità, in corrispondenza ad un terreno sabbioso a grana fine tendente a grana medio-fine.

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Nella prova a carico variabile è misurata la velocità di riequilibrio del livello idrico dopo averlo alterato mediante immissione (generalmente fino a piano campagna) di acqua in foro. La prova consiste nell'eseguire alcune letture di livello dell'acqua in foro (h) a frequenti intervalli di tempo (t) annotando sia il livello dell'acqua sia il tempo di ciascuna lettura.

Il risultato dell'elaborazione porta a definire un valore di coefficiente di permeabilità k pari a 2.56×10^{-5} m/s: questo valore è caratteristico di terreni sabbiosi con permeabilità medio-bassa.

In *Allegato 3* sono riportati i valori tabulati ottenuti durante la prova e le elaborazioni dei risultati.

PROVE GEOTECNICHE DI LABORATORIO

Nell'*Allegato 4*

Prove di laboratorio si riportano i risultati delle analisi geotecniche di laboratorio eseguite nei campioni estratti dal sondaggio:

- Campione rimaneggiato da prova SPT, prelevato tra 8,5 e 8,95 m, con determinazione della curva granulometrica mediante setacci;
- Campione indisturbato, prelevato tra 16,65 e 17,25 m:
 - Granulometria
 - Proprietà indice
 - Prova di consolidazione edometrica
 - Prova triassiale non consolidata e non drenata (UU).

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4 ALLEGATI

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Allegato 1

Sondaggio S1

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Postazione sondaggio S1



Sondaggio S1 – da 0.0 a 5.0 m



Sondaggio S1 – da 5.0 a 10.0 m



Sondaggio S1 – da 10.0 a 15.0 m



Sondaggio S1 – da 15.0 a 20.0 m



Sondaggio S1 – da 20.0 a 25.0 m

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Allegato 2

Prove CPTU

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Prova CPTU n°1 – Piezocono sismico – matricola 280916

Certificato di prova

Committente : VENETO STRADE

Località SCORZE' (VE)
via Cimitero

Data :
06/04/2017

Livello falda 1.33 m

Profondità (mt)	Qc (Mpa)	Fs (Kpa)	U (Kpa)	X	Y	Velocità (cm/sec)	Temp.
0,02	1,03125	11,190233	78,62039	-0,090306	-0,120965	1,905083	17,426246
0,04	1,322116	14,648761	83,245119	-0,08662	-0,139529	2,48174	17,419464
0,06	1,683828	17,790031	84,979393	-0,115493	-0,143122	2,967148	17,412682
0,08	2,309161	24,674345	90,760304	-0,134537	-0,217731	2,712821	17,416073
0,1	2,954187	36,31795	95,385033	-0,164025	-0,201023	2,564966	17,412682
0,12	3,14985	46,153586	97,697397	-0,118565	-0,233245	2,574881	17,402509
0,14	3,194197	52,594958	99,43167	-0,068805	-0,235035	2,611643	17,385554
0,16	3,150298	53,673842	101,744035	-0,085391	-0,202217	2,81108	17,382163
0,18	3,079302	56,846024	104,63449	-0,055904	-0,224294	2,625519	17,388945
0,2	2,947454	59,860187	103,478308	-0,097064	-0,240405	2,561027	17,385554
0,22	2,935687	57,196433	104,056399	-0,07249	-0,241598	2,634941	17,365209
0,24	2,996687	58,719072	105,212581	-0,073719	-0,237421	2,591915	17,3686
0,26	3,04096	62,08283	104,63449	-0,077405	-0,234438	2,736828	17,355036
0,28	3,068056	64,01872	104,63449	-0,073105	-0,252339	2,849832	17,344863
0,3	3,000175	69,794256	104,056399	-0,074948	-0,215344	2,50808	17,321126
0,32	3,120404	72,682736	105,790672	-0,083548	-0,209377	2,689299	17,297389
0,34	3,409249	75,730049	109,83731	-0,082934	-0,200426	2,507587	17,270261
0,36	3,619559	80,173504	111,571584	-0,091535	-0,202813	2,674612	17,23296
0,38	3,596134	79,98498	110,415401	-0,097064	-0,201023	2,736275	17,209223
0,4	3,459307	79,32016	107,524946	-0,112422	-0,186702	2,616164	17,185487
0,42	3,358475	79,76534	105,790672	-0,114265	-0,164028	2,600593	17,168532
0,44	3,074901	75,515495	101,165944	-0,111193	-0,166415	2,552503	17,144795
0,46	2,811356	69,583568	98,275488	-0,114265	-0,157464	2,822006	17,131231
0,48	2,464823	64,444991	94,22885	-0,115493	-0,149111	2,663616	17,114276
0,5	2,198835	62,256719	90,182213	-0,119179	-0,135936	2,492235	17,100712
0,52	2,050409	62,734235	87,869848	-0,125937	-0,125157	2,543661	17,073584
0,54	2,292713	60,895354	87,869848	-0,13208	-0,113779	2,67085	17,053238
0,56	2,129629	58,13683	83,245119	-0,133309	-0,102401	2,824116	17,026111
0,58	1,714618	63,943481	85,557484	-0,126551	-0,101204	2,736275	17,012547
0,6	1,712772	62,612621	84,979393	-0,125937	-0,097012	2,531966	16,985419
0,62	1,70093	63,724045	83,82321	-0,125323	-0,095215	2,486123	16,968464
0,64	1,635417	62,043793	82,088937	-0,125323	-0,088628	2,83502	16,948118
0,66	1,564719	59,18887	80,354664	-0,13208	-0,088628	2,564707	16,941336
0,68	1,469741	57,825471	78,62039	-0,130237	-0,084436	2,708951	16,927772
0,7	1,399192	60,586437	76,886117	-0,137609	-0,071861	2,514322	16,914208
0,72	1,351004	58,843344	76,308026	-0,12348	-0,067669	2,667099	16,883689
0,74	1,297929	60,621825	75,151844	-0,121022	-0,063477	2,872808	16,853171
0,76	1,259438	61,035889	73,41757	-0,120408	-0,055093	2,590764	16,826043
0,78	1,174754	61,736097	71,683297	-0,117951	-0,027547	2,529008	16,788742
0,8	1,173206	61,865442	71,105206	-0,107507	-0,037727	2,517977	16,74805
0,82	0,73474	49,052931	46,247289	-0,144367	0,037727	0,026248	14,025093
0,84	1,316397	59,840344	56,074837	-0,147438	0,065273	2,626824	14,01492
0,86	1,338533	58,317908	56,652928	-0,15911	0,08264	2,625519	14,008138
0,88	1,333721	54,828264	56,074837	-0,160953	0,089826	2,445255	14,004747
0,9	1,272796	53,90862	54,918655	-0,15911	0,095215	2,921499	13,997965
0,92	1,228971	52,41791	53,762473	-0,152353	0,106593	2,589511	13,991183
0,94	1,172857	51,688418	52,606291	-0,149281	0,125756	2,600721	13,987792
0,96	1,094606	51,148874	50,293926	-0,144367	0,120366	2,524952	13,991183
0,98	1,05315	48,293748	49,137744	-0,161568	0,132942	2,889744	13,987792
1	1,018948	44,772174	48,559653	-0,151739	0,137733	2,622393	13,987792
1,02	0,977491	42,964002	47,403471	-0,159725	0,150308	2,645886	13,984401
1,04	0,875035	40,172531	45,669197	-0,156039	0,155099	2,573377	13,97762
1,06	0,828618	37,253749	44,513015	-0,160339	0,159291	2,553243	13,97762
1,08	0,77517	34,557862	42,778742	-0,156039	0,165878	2,695629	13,964056
1,1	0,746078	31,988676	41,62256	-0,166482	0,181448	2,665227	13,953883
1,12	0,74882	28,658271	41,044469	-0,162796	0,183843	2,564966	13,940319
1,14	0,719877	25,899136	41,044469	-0,164639	0,186838	2,362779	13,923364
1,16	0,749416	23,32995	41,044469	-0,171397	0,193425	2,57077	13,9098
1,18	0,764447	22,664724	40,466377	-0,163411	0,200012	2,535563	13,896236
1,2	0,748092	22,063966	41,044469	-0,170783	0,195221	2,456159	13,862326
1,22	0,736623	21,272854	40,466377	-0,170783	0,198814	2,440271	13,828416

1,24	0,749211	22,193922	39,310195	-0,174469	0,222768	2,733593	13,80468
1,26	0,757286	24,956109	39,310195	-0,181841	0,220971	2,492687	13,777552
1,28	0,753296	26,100682	39,888286	-0,160339	0,230553	2,541041	13,73686
1,3	0,749156	26,38825	38,732104	-0,160953	0,236541	2,662368	13,70295
1,32	0,73295	25,216833	38,732104	-0,151124	0,242529	2,45029	13,662258
1,34	0,702012	23,823132	37,575922	-0,159725	0,248518	2,733742	13,618176
1,36	0,678328	23,095471	36,997831	-0,156653	0,259297	2,615517	13,591048
1,38	0,65235	22,082684	35,841649	-0,152353	0,256902	2,538009	13,550356
1,4	0,643324	22,3068	34,685466	-0,160339	0,258698	2,556824	13,516446
1,42	0,63193	21,579343	34,107375	-0,160953	0,267082	2,555465	13,479145
1,44	0,632452	21,104879	34,107375	-0,162182	0,275466	2,649732	13,455409
1,46	0,616246	19,996914	34,107375	-0,167097	0,276663	2,686354	13,414717
1,48	0,605001	19,206412	33,529284	-0,167711	0,282053	2,582175	13,370634
1,5	0,596423	18,384794	32,951193	-0,180612	0,28864	2,430687	13,316378
1,52	0,592432	17,594088	32,951193	-0,166482	0,301216	2,726733	13,275687
1,54	0,593327	16,739931	32,373102	-0,175083	0,309599	2,642052	13,234995
1,56	0,592078	16,203846	32,373102	-0,187369	0,313791	2,583331	13,180739
1,58	0,585718	15,920958	31,795011	-0,195356	0,314989	2,594228	13,136656
1,6	0,584245	16,272588	31,795011	-0,203342	0,326367	2,775424	13,092574
1,62	0,580254	17,004725	31,21692	-0,205185	0,328762	2,550052	13,051882
1,64	0,583742	17,705543	31,21692	-0,211328	0,334751	2,514009	13,004408
1,66	0,587155	17,803365	30,638829	-0,212557	0,347326	2,475778	12,960326
1,68	0,595304	17,869055	30,638829	-0,218086	0,361099	2,82928	12,912852
1,7	0,588871	17,45906	30,638829	-0,224843	0,368884	2,517373	12,882333
1,72	0,609459	17,557086	30,060738	-0,227301	0,373675	2,605091	12,834859
1,74	0,617609	16,702725	30,638829	-0,217471	0,393437	2,57399	12,797558
1,76	0,669881	16,927452	31,21692	-0,234673	0,406611	2,540881	12,753476
1,78	0,822093	17,786085	35,263557	-0,230372	0,413198	3,004707	12,719566
1,8	1,250587	20,929593	46,82538	-0,236516	0,435355	2,465015	12,675483
1,82	1,932634	24,595799	41,044469	-0,356309	0,583867	0,025233	11,322482
1,84	2,189148	25,325494	43,356833	-0,356923	0,585065	2,354101	11,322482
1,86	2,457952	26,816814	45,091106	-0,357538	0,574286	2,606876	11,319091
1,88	2,748594	27,831839	47,981562	-0,353237	0,57728	2,884518	11,322482
1,9	3,385883	27,260773	53,762473	-0,372896	0,594646	2,525952	11,322482
1,92	4,212389	26,308996	61,277657	-0,383339	0,605425	2,623044	11,322482
1,95	5,875263	25,992348	75,151844	-0,385182	0,627582	2,483439	11,312309
1,96	7,258396	28,086257	86,135575	-0,378425	0,643751	2,656304	11,312309
1,98	8,492653	27,199356	97,119306	-0,36491	0,628181	0,470022	11,291963
2	7,758012	22,504738	88,447939	-0,365524	0,653931	0,750807	11,275008
2,02	9,572917	26,186162	104,63449	-0,361224	0,642553	0,593258	11,254663
2,04	9,862447	27,836926	106,946855	-0,348937	0,661117	0,61602	11,237708
2,06	10,180594	29,074439	109,259219	-0,348323	0,670699	1,551794	11,234317
2,08	10,237261	30,448621	105,212581	-0,39194	0,760525	0,019378	11,068159
2,1	10,568936	33,177048	108,681128	-0,384568	0,764716	2,464486	11,068159
2,12	10,666145	34,858723	110,993492	-0,386411	0,767711	2,738333	11,064768
2,14	10,714787	36,381769	113,305857	-0,378425	0,776693	2,680371	11,061377
2,16	10,675784	35,683393	114,462039	-0,37351	0,777292	2,524648	11,068159
2,18	10,4888	35,746845	114,462039	-0,367981	0,799449	2,419626	11,068159
2,2	10,261208	36,507859	114,462039	-0,359995	0,801246	2,921499	11,074941
2,22	9,771828	36,348619	112,149675	-0,35078	0,806036	2,60196	11,085114
2,24	9,308954	37,743948	109,83731	-0,345866	0,798251	2,585838	11,095287
2,26	8,677106	37,552168	106,368764	-0,343408	0,812025	2,570374	11,119023
2,28	8,189911	36,662623	103,478308	-0,340337	0,815618	2,685961	11,139369
2,3	7,675912	35,64536	101,165944	-0,34218	0,815019	2,654221	11,173279
2,32	7,135258	35,991903	98,853579	-0,34218	0,82999	2,60823	11,213971
2,34	6,758534	35,862762	97,119306	-0,348323	0,835379	2,546414	11,251272
2,36	6,410651	35,225802	95,385033	-0,354466	0,833583	2,507587	11,291963
2,38	6,002228	32,621024	93,650759	-0,359381	0,832385	2,511041	11,346219
2,4	5,79162	30,429293	93,650759	-0,361838	0,833583	2,936559	11,390302
2,42	5,62913	28,681521	94,22885	-0,359381	0,834781	2,594529	11,437776
2,44	5,534109	26,426134	94,806941	-0,360609	0,846158	2,600593	11,485249
2,46	5,472526	24,455467	96,541215	-0,363067	0,851548	2,57718	11,546287
2,48	5,51945	23,119521	98,853579	-0,358766	0,852746	2,58831	11,603934
2,5	5,732714	22,069311	102,900217	-0,363681	0,863525	2,615934	11,668362
2,52	5,847109	21,209253	105,790672	-0,361224	0,856339	2,541041	11,715836
2,54	5,766546	20,825694	106,368764	-0,363067	0,85574	2,689299	11,76331
2,56	5,538623	20,948732	106,368764	-0,367981	0,856938	2,597654	11,827738
2,58	5,388181	21,104513	106,946855	-0,370439	0,863525	2,658564	11,875212
2,6	5,317182	21,831156	108,103037	-0,36921	0,8761	2,453116	11,926077
2,62	5,309133	22,526888	109,259219	-0,36921	0,886281	2,88909	11,963377
2,64	5,233389	23,856527	110,415401	-0,374125	0,892269	2,504643	12,010851

2,66	5,191605	25,123324	111,571584	-0,378425	0,895263	2,756131	12,048152
2,68	5,195604	25,914233	113,305857	-0,388868	0,892868	2,477903	12,085453
2,7	5,266998	25,784888	115,04013	-0,385182	0,896461	2,613757	12,126144
2,72	5,425139	26,226609	117,930586	-0,395626	0,909036	2,508495	12,166836
2,74	5,547508	26,225185	120,24295	-0,392554	0,914426	2,953304	12,197355
2,76	5,638254	26,952643	122,555315	-0,394397	0,913228	2,535039	12,227874
2,78	5,724255	27,363044	124,289588	-0,398083	0,908438	2,598837	12,261784
2,8	5,7406	27,615427	125,44577	-0,402998	0,922211	2,564707	12,285521
2,82	5,48573	25,218909	110,993492	-0,353852	0,909036	0,038765	12,04137
2,84	5,65674	24,837995	110,993492	-0,356923	0,913228	2,572098	12,044761
2,86	5,745896	25,758046	111,571584	-0,345866	0,919217	2,544081	12,044761
2,88	5,741226	26,773681	110,993492	-0,360609	0,9276	2,550182	12,037979
2,9	5,760578	27,535306	110,415401	-0,352009	0,921612	2,563354	12,034588
2,92	5,736556	27,852768	110,415401	-0,356309	0,925205	2,574881	12,031197
2,94	5,724508	28,201753	110,415401	-0,360609	0,918618	2,929137	12,031197
2,96	5,767807	28,677438	110,993492	-0,359995	0,928798	2,568397	12,034588
2,98	5,863894	28,422817	112,727766	-0,367367	0,93299	2,616164	12,048152
3	5,875644	27,882663	113,305857	-0,365524	0,934188	2,521237	12,061716
3,02	5,646519	25,415178	64,168113	-0,363681	0,965926	0,007688	11,414039
3,04	5,779124	25,002945	65,902386	-0,36921	0,97431	2,730552	11,410648
3,06	5,764666	24,971219	65,902386	-0,370439	0,975508	2,580251	11,410648
3,08	5,740495	25,129645	65,902386	-0,380268	0,975508	2,557358	11,414039
3,1	5,779199	25,542489	65,902386	-0,377196	0,980897	2,613061	11,407257
3,12	5,798327	25,446904	66,480477	-0,379654	0,982095	2,48959	11,414039
3,14	5,810226	25,478223	67,636659	-0,382725	0,985688	2,558902	11,420821
3,16	5,812337	25,509135	67,636659	-0,375968	0,99467	3,014245	11,434385
3,18	5,79999	25,476595	68,792842	-0,387025	0,992874	2,413565	11,447948
3,2	5,753983	25,66634	69,370933	-0,388254	0,997665	2,631793	11,458121
3,22	5,741711	25,634004	69,949024	-0,39624	0,998263	2,546111	11,468294
3,24	5,72929	25,632987	71,105206	-0,389483	1,005449	2,571249	11,485249
3,26	5,683059	25,695218	72,261388	-0,390097	1,004252	2,754238	11,508986
3,28	5,651286	25,916078	72,839479	-0,390097	1,011438	2,689299	11,525941
3,3	5,614694	26,136939	73,995662	-0,394397	1,013833	2,550182	11,546287
3,32	5,636008	26,104196	75,151844	-0,394397	1,016229	2,701009	11,563242
3,34	5,623214	25,657999	76,308026	-0,393783	1,02581	2,56193	11,597152
3,36	5,523673	25,275253	77,464208	-0,398698	1,019822	2,531966	11,631061
3,38	5,407562	25,591291	78,042299	-0,395626	1,024612	2,478094	11,651407
3,4	5,255084	25,303927	78,042299	-0,393169	1,030601	2,85451	11,685317
3,42	5,092966	25,302096	77,464208	-0,407298	1,029403	2,642052	11,712445
3,44	4,942972	25,36392	77,464208	-0,408527	1,030002	2,677691	11,739573
3,46	4,88206	25,679348	78,62039	-0,397469	1,037188	2,564966	11,770092
3,48	4,905186	25,708429	80,354664	-0,401769	1,031798	2,445986	11,814174
3,5	4,935766	25,420861	81,510846	-0,409755	1,039583	2,521237	11,848084
3,52	4,961526	25,291923	83,245119	-0,41037	1,05156	2,795445	11,892167
3,54	4,972902	25,321818	84,401302	-0,405455	1,053955	2,600593	11,912513
3,56	5,155065	25,001914	87,291757	-0,404227	1,064136	2,696218	11,956595
3,58	5,417193	25,603282	90,760304	-0,414056	1,058147	2,632242	11,980332
3,6	5,951611	26,553634	97,119306	-0,400541	1,038386	2,460391	12,004069
3,62	6,237612	25,441194	101,165944	-0,39194	1,041979	2,472349	12,037979
3,64	6,287394	24,70926	102,900217	-0,393783	1,035391	2,751425	12,082062
3,66	6,221513	24,389763	103,478308	-0,380268	1,032397	2,708872	12,112581
3,68	6,10503	24,609606	104,63449	-0,384568	1,032397	2,571058	12,149881
3,7	5,954811	24,734272	104,63449	-0,385182	1,031199	2,720594	12,187182
3,72	5,749097	24,953912	104,63449	-0,377811	1,043775	2,505591	12,227874
3,74	5,582011	25,300658	104,63449	-0,377811	1,03599	2,560415	12,265175
3,76	5,395723	25,235172	103,478308	-0,384568	1,040781	2,780198	12,299084
3,78	5,151678	25,042985	102,322126	-0,387025	1,04138	2,645886	12,329603
3,8	4,77232	24,342167	99,43167	-0,379039	1,043775	2,603795	12,377077
3,82	4,168986	22,549851	101,744035	-0,336651	1,011438	0,036368	12,638182
3,84	4,089468	20,614572	98,275488	-0,343408	1,024013	2,423102	12,638182
3,86	3,826892	20,297517	94,806941	-0,347094	1,02581	2,54686	12,634791
3,88	3,631711	20,04371	93,072668	-0,339108	1,02581	2,939589	12,634791
3,9	3,386152	19,155995	90,182213	-0,347709	1,033595	2,590562	12,624619
3,92	3,254964	18,648381	88,447939	-0,357538	1,031199	2,593194	12,624619
3,94	3,157244	17,696604	87,291757	-0,345866	1,033595	2,508495	12,624619
3,96	3,115713	16,871731	86,713666	-0,345251	1,030002	2,599155	12,624619
3,98	3,093502	16,331781	86,713666	-0,341565	1,022217	2,846008	12,634791
4	3,11534	15,633404	87,291757	-0,341565	1,02581	2,780343	12,641573
4,02	3,156498	14,966143	87,869848	-0,344637	1,026409	2,407151	12,658528
4,04	3,229489	14,743248	89,02603	-0,331736	1,032996	2,584715	12,672092
4,06	3,423512	14,901471	91,338395	-0,331122	1,024013	2,552503	12,678874

4,08	3,618469	15,122942	93,650759	-0,324364	1,016827	2,987151	12,689047
4,1	3,982101	15,566494	97,119306	-0,320064	1,010839	2,589511	12,69922
4,12	4,251682	15,597406	100,009761	-0,320678	1,006048	2,615517	12,712784
4,14	4,439261	14,866693	101,744035	-0,308392	1,002455	2,59553	12,729739
4,16	4,465319	14,294406	102,900217	-0,303477	1,003653	2,658564	12,750085
4,18	4,50591	15,403795	104,056399	-0,307777	1,003653	2,598837	12,76704
4,2	4,6526	16,354758	105,790672	-0,305934	1,00006	2,665227	12,780604
4,22	5,001773	17,591457	109,83731	-0,313306	0,999461	2,502695	12,790777
4,24	5,367889	18,701456	114,462039	-0,302863	0,992874	2,617433	12,797558
4,26	5,53634	18,478765	116,196312	-0,300405	0,977304	2,871906	12,807731
4,28	5,468348	17,684193	116,196312	-0,30962	0,980897	2,617692	12,831468
4,3	5,393351	18,095816	116,196312	-0,312078	0,98449	2,604308	12,845032
4,32	5,364062	17,936169	116,774403	-0,292419	0,979101	2,686799	12,861987
4,34	5,173178	17,934745	116,196312	-0,296719	0,992874	2,511041	12,885724
4,36	4,951193	18,029109	114,462039	-0,289348	0,98449	2,528454	12,899288
4,38	4,859329	17,996569	114,462039	-0,291805	0,98449	2,797862	12,912852
4,4	4,882977	18,629866	116,196312	-0,301634	0,976106	2,683581	12,933198
4,42	5,039231	18,755753	118,508677	-0,291805	0,981496	2,528302	12,950153
4,44	5,214687	18,595902	121,399132	-0,288119	0,968321	2,576387	12,970498
4,46	5,349104	18,150316	123,133406	-0,275218	0,97431	2,45029	12,994235
4,48	5,497905	17,990059	125,44577	-0,281976	0,96892	2,861877	13,024754
4,5	5,66335	17,638836	127,758134	-0,285662	0,972513	2,556312	13,058664
4,52	5,802586	17,95467	130,070499	-0,28259	0,974909	2,708872	13,082401
4,54	5,852741	18,746597	131,226681	-0,275832	0,967723	2,684063	13,102747
4,56	5,792053	19,919234	131,226681	-0,279518	0,960537	2,472349	13,123093
4,58	5,793791	21,154712	132,960954	-0,264775	0,959339	2,493378	13,153611
4,6	5,870526	22,04202	134,117137	-0,263546	0,937781	2,856058	13,170566
4,62	6,077233	23,182728	137,585683	-0,26416	0,93838	2,701244	13,194303
4,64	6,457434	24,577243	142,788503	-0,256788	0,920414	2,574115	13,21804
4,66	6,668811	24,448508	145,678959	-0,242044	0,913228	2,531966	13,248559
4,68	6,636888	24,193073	145,678959	-0,245116	0,90724	2,596888	13,275687
4,72	6,576498	24,224392	145,100868	-0,246959	0,908438	15,69819	13,28586
4,72	6,295637	21,3654	142,788503	-0,23283	0,894066	0,394041	13,343506
4,74	6,072757	20,378642	141,632321	-0,233444	0,886281	2,634416	13,397762
4,76	5,927134	21,359296	142,210412	-0,243887	0,894664	2,526057	13,445236
4,78	5,95282	22,213657	143,366594	-0,242659	0,896461	2,571249	13,482536
4,8	6,036336	22,814211	146,25705	-0,244502	0,902449	2,705918	13,53001
4,82	5,839112	21,43128	139,319957	-0,213171	0,856339	0,04268	13,831807
4,84	6,048974	20,89255	137,585683	-0,202728	0,857536	2,510599	13,821634
4,86	6,092497	20,924683	135,85141	-0,209485	0,861728	2,562472	13,814852
4,88	6,013128	21,210623	134,695228	-0,208257	0,856339	2,560415	13,808071
4,9	5,752961	20,512857	131,226681	-0,202728	0,86592	2,579403	13,80468
4,92	5,49272	19,910065	128,336226	-0,204571	0,853345	2,822006	13,808071
4,94	5,323897	19,941384	127,180043	-0,20027	0,851548	2,676562	13,811462
4,96	5,217649	20,384936	126,601952	-0,200885	0,862926	2,626824	13,821634
4,98	5,157109	20,511025	127,180043	-0,19597	0,850949	2,613061	13,835198
5	5,166449	20,510212	127,758134	-0,193513	0,854542	2,524952	13,848762
5,02	5,006451	20,019688	82,088937	-0,189827	0,806036	0,011804	13,56392
5,04	5,090937	19,322125	82,667028	-0,187984	0,805437	2,639709	13,557138
5,06	5,155923	18,592226	83,82321	-0,184298	0,797054	2,505125	13,560529
5,08	5,228212	18,782582	84,401302	-0,200885	0,806036	2,470211	13,560529
5,1	5,261947	18,71913	84,979393	-0,19597	0,804839	2,907805	13,560529
5,12	5,338906	18,623545	86,135575	-0,195356	0,797653	2,65719	13,567311
5,14	5,459239	18,908671	87,869848	-0,190441	0,797054	2,568397	13,574093
5,16	5,618051	19,320498	90,182213	-0,204571	0,798251	2,595721	13,584266
5,18	5,815418	19,541968	93,072668	-0,208871	0,793461	2,465519	13,594439
5,2	6,092228	19,73151	96,541215	-0,197813	0,791664	2,688814	13,611394
5,22	6,306462	20,11161	98,853579	-0,201499	0,791664	2,744183	13,618176
5,24	6,648258	20,840288	103,478308	-0,207642	0,786873	2,680371	13,635131
5,26	7,033427	21,759322	108,681128	-0,202113	0,77849	2,499366	13,652085
5,28	7,579893	22,075156	115,618221	-0,202728	0,774897	2,514322	13,675822
5,3	7,904597	22,010077	120,24295	-0,200885	0,77849	2,644811	13,70295
5,32	8,005354	21,945405	123,711497	-0,202728	0,768908	2,765737	13,723296
5,34	7,744815	21,881139	122,555315	-0,197199	0,771903	2,634416	13,73686
5,36	7,19015	21,753015	119,086768	-0,189827	0,779687	2,576387	13,757206
5,38	6,868997	21,751183	118,508677	-0,176312	0,762321	2,465519	13,787725
5,4	6,610569	22,79651	119,086768	-0,189212	0,763519	2,813296	13,821634
5,42	6,513512	23,334019	120,24295	-0,187369	0,760525	2,704935	13,845371
5,44	6,428429	24,220309	121,977223	-0,190441	0,766513	2,544081	13,879281
5,46	6,369851	24,376904	123,711497	-0,192898	0,755734	2,615517	13,913191
5,48	6,34486	24,977255	126,601952	-0,192898	0,753339	2,473083	13,953883

5,5	6,298331	25,641464	128,336226	-0,189212	0,743757	2,524804	13,987792
5,52	6,273339	25,924555	130,64859	-0,187369	0,743158	2,872808	14,028484
5,54	6,274853	25,890388	132,960954	-0,17754	0,741961	2,587009	14,069176
5,56	6,266505	26,268047	135,85141	-0,178155	0,735373	2,661271	14,120041
5,58	6,30409	26,328853	138,163774	-0,181841	0,731182	2,608034	14,164123
5,6	6,319764	26,040065	140,476139	-0,173854	0,743158	2,552503	14,218379
5,62	6,299517	25,783613	142,788503	-0,184298	0,730583	2,578523	14,262462
5,64	6,303292	24,987617	145,100868	-0,181226	0,737769	2,775424	14,309936
5,66	6,309476	24,921317	147,413232	-0,172011	0,731182	2,590764	14,357409
5,68	6,346837	24,220092	149,725597	-0,181841	0,728786	2,686799	14,411665
5,7	6,345792	23,582726	152,037961	-0,17754	0,734176	2,535563	14,459139
5,72	6,327731	23,801552	153,772234	-0,176926	0,727588	2,543661	14,513394
5,74	6,297995	23,640684	154,928416	-0,176312	0,72699	2,885264	14,557477
5,76	6,313818	23,859917	156,66269	-0,176926	0,724594	2,556312	14,598169
5,78	6,3008	23,888998	157,818872	-0,181226	0,724594	2,608034	14,642252
5,8	6,285223	24,044576	158,975054	-0,182455	0,721001	2,60823	14,693116
5,82	6,09287	21,970389	147,991323	-0,122251	0,662914	0,029621	14,893184
5,84	6,169978	21,875211	146,835141	-0,128394	0,669501	2,91692	14,893184
5,86	6,191963	22,510543	145,678959	-0,122865	0,667705	2,587411	14,87962
5,88	6,208905	23,240442	145,100868	-0,110579	0,662315	2,517245	14,876229
5,9	6,17758	23,652878	145,100868	-0,104435	0,652135	2,585838	14,876229
5,92	6,11011	23,303893	144,522777	-0,101364	0,650338	2,756959	14,876229
5,94	6,076301	23,081609	145,100868	-0,108121	0,653333	2,689299	14,87962
5,96	5,975021	22,478613	144,522777	-0,101978	0,650338	2,657457	14,883011
5,98	5,941137	23,398257	144,522777	-0,096449	0,643751	2,613061	14,889793
6	5,644103	25,356921	145,100868	-0,104435	0,623989	0,325812	15,028823
6,02	6,015038	22,628087	147,413232	-0,101978	0,647344	2,716702	15,035605
6,04	6,27031	23,16702	149,725597	-0,091535	0,641955	2,578002	15,042387
6,06	6,532662	24,435242	153,194143	-0,082934	0,643152	2,531966	15,055951
6,08	7,199386	27,066456	163,021692	-0,08662	0,632373	2,571058	15,089861
6,1	8,376953	29,888026	172,27115	-0,102592	0,623391	2,655908	15,123771
6,12	9,779065	31,917669	182,67679	-0,115493	0,623989	2,769338	15,137335
6,14	10,741677	27,888481	186,723427	-0,111193	0,626385	2,623044	15,137335
6,16	10,790319	26,397568	177,47397	-0,089692	0,6186	2,469116	15,133944
6,18	9,983586	24,270916	165,334056	-0,093992	0,601832	2,572664	15,150899
6,2	9,286827	23,286396	157,818872	-0,098292	0,600036	2,704422	15,174635
6,22	8,840447	25,156596	154,928416	-0,099521	0,591652	2,703004	15,194981
6,24	8,565301	30,770857	154,350325	-0,099521	0,576082	2,626824	15,215327
6,26	8,461164	34,766895	156,084599	-0,100749	0,568896	2,613757	15,239064
6,28	8,440992	37,49288	160,131236	-0,097064	0,561111	2,558433	15,279756
6,3	8,466826	41,742318	163,021692	-0,095835	0,55153	2,894238	15,310275
6,32	8,434904	30,953888	164,177874	-0,096449	0,546739	2,525952	15,337403
6,34	8,373544	32,568856	169,380694	-0,092149	0,543146	2,598837	15,388267
6,36	8,488312	33,676821	174,583514	-0,096449	0,528175	2,591915	15,428959
6,38	8,701949	34,658086	180,942516	-0,089692	0,528175	2,733593	15,476433
6,4	8,886521	33,671938	186,723427	-0,098292	0,519193	2,595721	15,510342
6,42	9,095488	31,258939	192,504338	-0,091535	0,516199	2,658564	15,540861
6,44	9,29181	26,909034	197,707158	-0,102592	0,522187	2,466201	15,598508
6,46	9,437605	26,207809	200,019523	-0,107507	0,52039	2,61207	15,652764
6,48	9,610054	26,585671	202,909978	-0,09092	0,508414	2,656597	15,700237
6,5	9,784615	26,550283	206,956616	-0,091535	0,514402	2,625519	15,761275
6,52	9,973783	26,896013	210,425163	-0,095221	0,5156	2,630614	15,815531
6,54	10,242394	27,400168	215,627983	-0,089692	0,505419	2,687228	15,873177
6,56	10,430538	27,428842	218,518438	-0,098906	0,497036	2,457182	15,924042
6,58	10,679615	27,29909	221,408894	-0,101978	0,504222	2,791902	15,971516
6,6	10,984544	27,676952	223,721258	-0,104435	0,503024	2,57581	16,018989
6,62	11,369311	27,927097	226,033623	-0,10505	0,500629	2,56193	16,080027
6,64	11,688885	27,670645	226,611714	-0,098906	0,48985	2,623044	16,12411
6,66	12,044736	28,08003	228,924078	-0,097678	0,494042	2,482604	16,174975
6,68	12,531867	28,80708	234,126898	-0,098906	0,489251	2,502946	16,219057
6,7	13,018849	28,86748	238,751627	-0,098292	0,483861	2,955037	16,269922
6,72	13,583538	28,039555	242,220174	-0,101364	0,480268	2,539326	16,320787
6,74	14,252573	28,607366	245,110629	-0,101364	0,474879	2,544081	16,375042
6,76	14,85126	28,826395	249,735358	-0,097064	0,467094	2,639709	16,425907
6,78	15,828622	29,267099	254,938178	-0,097064	0,461704	2,417676	16,483554
6,8	16,774714	30,21623	257,828633	-0,089692	0,461105	2,813296	16,527636
6,82	17,325057	26,025972	241,063991	0,0043	0,404216	0,031088	16,564937
6,84	18,180065	24,535465	231,236443	0,006143	0,390443	2,587009	16,558155
6,86	18,158732	25,425214	217,362256	0,012901	0,38146	2,534984	16,534418
6,88	17,844014	29,20324	208,690889	0,01843	0,360501	2,598837	16,490336
6,9	18,067274	30,916031	214,4718	0,022116	0,349722	2,482665	16,497118

6,92	19,105569	37,639071	234,126898	-0,014744	0,322175	2,760414	16,551373
6,94	19,918698	37,891861	238,751627	-0,013515	0,317983	2,642052	16,561546
6,96	20,027228	37,509116	209,26898	-0,012287	0,303012	2,583331	16,595456
6,98	19,404448	38,902003	194,238612	-0,019044	0,303012	2,542786	16,646321
7	18,99316	37,662252	190,770065	-0,015972	0,309599	2,496922	16,687013
7,02	18,399844	32,032744	121,977223	-0,002457	0,251512	0,014847	16,391997
7,04	18,895454	27,496553	123,711497	-0,012901	0,241332	2,46893	16,381824
7,06	19,570912	28,417621	130,070499	-0,017815	0,228756	2,54986	16,364869
7,08	20,112587	28,354576	137,585683	-0,033174	0,216181	2,771871	16,361478
7,1	19,906176	27,466251	136,429501	-0,033788	0,206599	2,554176	16,358087
7,12	18,650861	24,865135	124,289588	-0,04116	0,189832	2,550182	16,351306
7,14	17,319596	21,7863	112,727766	-0,033788	0,183843	2,560415	16,375042
7,16	16,131529	20,452185	106,368764	-0,041774	0,185041	2,517245	16,40217
7,18	15,480206	21,529441	103,478308	-0,041774	0,179053	2,813296	16,429298
7,2	15,129701	22,796238	104,63449	-0,044846	0,171867	2,547128	16,463208
7,22	14,681912	23,142578	105,212581	-0,052218	0,162884	2,683581	16,507291
7,24	14,250973	24,789272	105,790672	-0,052218	0,165878	2,457182	16,558155
7,26	13,863744	25,071753	106,946855	-0,052832	0,160489	2,628524	16,60902
7,28	13,384163	25,829919	107,524946	-0,066962	0,168274	2,798997	16,67684
7,3	13,232262	25,889709	108,681128	-0,065733	0,167675	2,619275	16,724313
7,32	13,296037	26,836603	115,04013	-0,074333	0,168872	2,428122	16,805697
7,34	13,864912	27,339334	126,023861	-0,077405	0,169471	2,568008	16,88708
7,36	14,49457	28,952675	139,898048	-0,084777	0,176058	2,571249	16,965073
7,38	15,590102	30,755353	161,287419	-0,086006	0,185041	2,496305	17,06002
7,4	16,212848	31,576564	178,052061	-0,097064	0,188035	2,903631	17,141404
7,42	16,81785	32,01503	191,926247	-0,093992	0,201808	2,479918	17,216005
7,44	17,35243	33,532176	207,534707	-0,116722	0,210791	2,534984	17,310953
7,46	17,384711	36,382826	212,737527	-0,127165	0,204204	2,613757	17,388945
7,48	17,292997	35,552866	219,67462	-0,146824	0,210192	2,340597	17,47372
7,5	17,080162	37,801132	219,67462	-0,132694	0,215582	2,800558	17,54493
7,52	16,991473	40,335744	224,87744	-0,135766	0,216779	2,626824	17,602577
7,54	17,397946	43,091827	238,751627	-0,135766	0,213785	2,528955	17,670397
7,56	17,957033	41,246639	254,360087	-0,130851	0,207198	2,724267	17,755171
7,58	18,581835	38,640437	267,656182	-0,133309	0,214384	2,575674	17,843337
7,6	18,769606	36,224793	268,234273	-0,128394	0,217378	2,561667	17,907765
7,62	18,26507	31,904986	245,68872	-0,135152	0,207198	2,661271	17,99254
7,64	17,542205	29,489342	229,502169	-0,138223	0,204204	2,488685	18,067141
7,66	16,310692	30,497043	207,534707	-0,151124	0,208995	2,519966	18,192608
7,68	15,344842	29,127947	193,660521	-0,15051	0,210791	2,473083	18,273991
7,7	14,768275	29,315453	189,035792	-0,153582	0,208995	2,921499	18,321465
7,72	14,086543	28,77123	183,254881	-0,151124	0,210192	2,507649	18,402848
7,74	13,696364	28,861932	181,520607	-0,138223	0,203006	2,626824	18,47745
7,76	13,388525	28,793394	183,832972	-0,147438	0,200012	2,591542	18,562224
7,78	13,153761	27,99577	185,567245	-0,14621	0,200611	2,413062	18,636826
7,8	12,960055	26,404389	187,87961	-0,151739	0,187436	2,778987	18,741946
7,82	12,469369	22,102487	172,27115	-0,052218	0,121564	0,040815	18,507969
7,84	12,474673	22,579596	166,490239	-0,052832	0,114977	2,453731	18,487623
7,86	12,329344	23,659293	162,443601	-0,04116	0,096413	2,526057	18,470668
7,88	12,302931	24,326351	161,287419	-0,050375	0,09282	2,564016	18,457104
7,9	12,448707	25,278331	163,599783	-0,054061	0,091622	2,82615	18,453713
7,92	12,803397	25,564271	168,802603	-0,062661	0,085035	2,608034	18,446931
7,94	13,471197	26,198788	179,786334	-0,055904	0,074256	2,586417	18,446931
7,96	14,320975	26,261833	189,035792	-0,06819	0,076052	2,571249	18,453713
7,98	15,070817	26,545942	197,129067	-0,078019	0,070663	2,54986	18,47745
8	14,545619	25,560608	186,145336	-0,073719	0,089826	2,709365	18,514751
8,02	13,884359	25,558574	175,739696	-0,087849	0,08264	2,568397	18,541879
8,04	12,589519	24,605373	157,818872	-0,086006	0,075454	2,696498	18,565615
8,06	11,549657	23,556994	144,522777	-0,084777	0,074256	2,589511	18,589352
8,08	10,703841	24,506736	136,429501	-0,087234	0,093419	2,588496	18,623262
8,1	10,37534	25,615311	134,117137	-0,084777	0,100006	2,517681	18,653781
8,12	9,804422	27,611601	129,492408	-0,06389	0,113779	2,747247	18,701255
8,14	9,379654	29,132612	126,023861	-0,057747	0,126355	2,708872	18,724992
8,16	9,337944	33,032862	129,492408	-0,066347	0,126355	2,556312	18,758901
8,18	10,289792	38,138899	149,725597	-0,073719	0,127553	2,567628	18,78942
8,2	12,600698	41,658031	190,770065	-0,084163	0,150907	2,470211	18,830112
8,22	14,144466	38,198078	211,581345	-0,070033	0,157494	2,479217	18,860631
8,24	14,933237	33,596604	216,784165	-0,050375	0,164681	2,82615	18,880977
8,26	15,455036	33,468886	212,737527	-0,047303	0,164681	2,658564	18,894541
8,28	15,634511	30,771575	203,488069	-0,040546	0,14971	2,592612	18,904713
8,3	15,799342	28,835482	197,129067	-0,043003	0,147913	2,52146	18,918277
8,32	16,153062	23,376391	186,145336	-0,057132	0,131146	2,483795	18,955578

8,34	15,957972	20,455372	176,895879	-0,062661	0,11318	2,813296	18,992879
8,36	14,897938	16,549629	162,443601	-0,069419	0,117372	2,609702	19,050526
8,38	13,498305	14,009116	143,944685	-0,077405	0,122163	2,620807	19,091217
8,4	12,822698	13,531803	138,741866	-0,083548	0,119768	2,493067	19,114954
8,42	12,358358	14,291801	137,585683	-0,093992	0,114378	2,921499	19,148864
8,44	12,355109	15,368243	140,476139	-0,093992	0,123361	2,452047	19,175992
8,46	12,58771	18,539407	147,991323	-0,110579	0,124558	2,592612	19,199729
8,48	13,116422	21,012196	159,553145	-0,107507	0,113779	2,517681	19,230248
8,5	14,29799	23,230159	183,832972	-0,135152	0,103599	2,455949	19,277721
8,52	15,470218	24,307008	208,112798	-0,144981	0,10839	2,593194	19,30824
8,54	16,22006	22,71929	220,830803	-0,138223	0,097012	2,789731	19,331977
8,56	16,076414	21,766496	216,784165	-0,133309	0,099407	2,693191	19,348932
8,58	15,473658	23,827254	204,066161	-0,126551	0,096413	2,595721	19,372669
8,6	15,283872	27,538166	204,066161	-0,124708	0,091622	2,497282	19,389624
8,62	15,795735	30,138265	211,003254	-0,112422	0,076052	2,504643	19,41336
8,64	16,22253	34,800343	217,940347	-0,10935	0,071262	2,774321	19,440488
8,66	16,731591	31,339779	224,299349	-0,104435	0,074256	2,587009	19,48118
8,68	17,218648	29,87754	226,611714	-0,107507	0,06707	2,625519	19,528654
8,7	17,849276	28,162307	234,126898	-0,09092	0,073058	2,571249	19,562564
8,72	19,227542	27,588393	248,579176	-0,073719	0,070064	2,437424	19,610037
8,74	20,795742	28,380116	265,343818	-0,052832	0,073058	2,921499	19,633774
8,76	23,339474	29,994881	275,171367	-0,033174	0,070663	2,501643	19,68803
8,78	24,606333	28,247922	254,360087	-0,024573	0,073657	2,638096	19,72194
8,8	24,479461	24,883351	227,767896	-0,017815	0,079047	2,460643	19,749067
8,82	23,002086	24,023144	146,25705	-0,011058	0,047907	0,014803	17,694134
8,84	22,674556	22,279034	119,086768	-0,012287	0,050901	2,784768	17,68057
8,86	22,832847	26,087361	124,289588	0,003072	0,038326	2,595721	17,660224
8,88	23,321172	30,370967	134,117137	-0,005529	0,036529	2,582427	17,650051
8,9	23,450024	32,179749	138,741866	0,006143	0,014372	2,45029	17,643269
8,92	23,454657	32,115687	143,366594	0,012901	0,013174	2,582427	17,653442
8,94	23,160079	31,257054	142,788503	0,010444	0,018564	2,837895	17,687352
8,96	22,523326	28,685832	141,05423	0,008601	0,024552	2,720594	17,711089
8,98	21,282208	26,178877	128,914317	0,033174	0,019762	2,534984	17,721261
9	20,363019	25,00156	127,180043	0,039317	0,016767	2,531966	17,778908
9,02	19,833881	21,6051	192,504338	-0,065119	0,141925	0,002639	16,222448
9,04	20,93673	22,684798	176,317787	-0,044846	0,128151	2,660399	16,205493
9,06	22,063939	29,348455	177,47397	-0,027645	0,114977	2,510139	16,185148
9,08	23,093266	30,933935	189,613883	-0,009829	0,111983	2,620807	16,198711
9,1	23,457297	29,347031	186,145336	-0,011672	0,089826	2,31454	16,208884
9,12	23,281783	26,204337	184,411063	-0,009829	0,104198	2,778987	16,246185
9,14	21,947717	25,440474	149,725597	-0,012901	0,116773	2,605091	16,280095
9,16	19,871168	32,355904	127,758134	-0,009829	0,123361	2,51375	16,293659
9,18	17,709328	36,066205	109,83731	-0,026416	0,110186	2,537903	16,320787
9,2	16,351201	35,969196	100,587852	-0,047303	0,108989	2,539019	16,351306
9,22	15,284702	27,624067	97,119306	-0,053446	0,098209	2,740292	16,375042
9,24	14,90543	25,021323	98,275488	-0,052832	0,091622	2,66913	16,391997
9,26	14,658822	24,446595	102,900217	-0,060204	0,113779	2,519966	16,453035
9,28	14,344071	26,060546	105,790672	-0,074333	0,115576	2,760137	16,520855
9,3	14,269654	23,61338	109,83731	-0,092763	0,116175	2,487546	16,592065
9,32	14,423652	24,942001	116,774403	-0,106278	0,109587	2,535488	16,656494
9,34	14,453654	24,683922	123,711497	-0,11365	0,119169	2,698801	16,727704
9,36	14,33478	25,502488	130,070499	-0,119179	0,121564	2,628652	16,832825
9,38	14,024065	30,223338	131,226681	-0,12778	0,122762	2,666182	16,937945
9,4	13,863834	23,078502	137,007592	-0,132694	0,133541	2,472038	17,046456
9,42	13,73547	21,454785	142,788503	-0,148053	0,149111	2,514135	17,141404
9,44	13,684814	22,464317	147,991323	-0,156653	0,178454	2,93631	17,236351
9,46	13,702078	27,344203	152,616052	-0,175697	0,206	2,387282	17,33469
9,48	13,544424	28,036069	153,194143	-0,189827	0,214983	2,571767	17,436419
9,5	14,200496	31,901134	175,161605	-0,209485	0,222169	2,460391	17,527976
9,52	14,975782	31,769347	194,238612	-0,229144	0,229355	2,531966	17,609359
9,54	15,874691	31,79558	169,380694	-0,24143	0,246123	2,825712	17,71787
9,56	16,232074	29,949985	163,021692	-0,253102	0,263489	2,524648	17,792472
9,58	16,504018	29,848093	169,958785	-0,275218	0,27307	2,633614	17,904374
9,6	16,761987	28,89123	179,208243	-0,284433	0,295826	2,578523	17,989149
9,62	16,866448	27,044618	189,035792	-0,281976	0,316187	2,431749	18,09766
9,64	17,005204	22,216586	196,550976	-0,275218	0,317384	2,661271	18,192608
9,66	17,232501	22,880185	193,08243	-0,26416	0,316785	2,826381	18,23669
9,68	17,512251	22,303829	191,926247	-0,253102	0,344332	2,568397	18,324856
9,7	16,971886	26,615091	105,790672	-0,243887	0,365291	2,534984	18,382503
9,72	16,844119	23,057722	116,196312	-0,240816	0,384454	2,564389	18,450322
9,74	16,847708	24,54538	123,133406	-0,238973	0,377268	2,467594	18,507969

9,76	16,819429	24,858366	130,64859	-0,242659	0,396431	2,842336	18,579179
9,78	17,079977	25,075768	141,632321	-0,236516	0,419187	2,538009	18,657172
9,8	17,511032	26,785711	155,506508	-0,230987	0,426373	2,564707	18,711428
9,82	17,702006	23,880588	215,049892	-0,093378	0,361099	0,015154	17,426246
9,84	18,559442	18,678153	173,427332	-0,080477	0,37607	2,726733	17,416073
9,86	19,229894	18,805667	179,208243	-0,070647	0,38146	2,57581	17,4059
9,88	20,174602	21,407393	182,098698	-0,035017	0,400024	2,531966	17,402509
9,9	20,578009	16,332065	171,114967	-0,008601	0,403018	2,473083	17,388945
9,92	19,808292	22,931253	156,084599	-0,015972	0,408408	2,556824	17,385554
9,94	19,1452	23,343282	134,117137	0,007372	0,429367	2,807822	17,392336
9,96	18,546703	28,892261	135,273319	0,011672	0,43835	2,590764	17,443201
9,98	17,825181	36,727742	130,64859	0,007372	0,446733	2,648688	17,456765
10	17,686317	33,014592	131,804772	0,004915	0,449129	2,471084	17,477111
10,02	17,301591	35,105652	131,804772	0,0043	0,462902	2,599524	17,524585
10,04	17,033501	33,358083	134,695228	0,011672	0,469489	2,784768	17,582231
10,06	16,808451	20,821881	135,85141	0,027645	0,476076	2,605091	17,643269
10,08	16,641681	22,149892	138,163774	0,039317	0,489251	2,626824	17,71787
10,1	16,435758	22,906024	143,366594	0,037474	0,513204	2,573377	17,806036
10,12	16,203497	18,74566	145,100868	0,039931	0,517995	2,460643	17,877247
10,14	16,002805	18,741387	147,991323	0,04546	0,530571	2,85815	17,948457
10,16	15,84119	19,054984	152,037961	0,056518	0,553327	2,510139	18,009495
10,18	15,465432	19,081827	153,194143	0,050989	0,586861	2,583331	18,090878
10,2	15,029263	19,585372	150,303688	0,064504	0,597641	2,549672	18,158698
10,22	14,099763	17,422925	141,632321	0,056518	0,600036	2,561408	18,243472
10,24	13,064161	15,706675	130,070499	0,062661	0,60303	2,767498	18,311292
10,26	12,061736	15,035141	121,977223	0,05959	0,598838	2,778987	18,382503
10,28	11,088824	14,840513	115,04013	0,058361	0,60303	2,531966	18,453713
10,3	9,795806	14,454716	105,212581	0,052218	0,60842	2,646654	18,538488
10,32	8,878427	16,988108	98,853579	0,033174	0,600635	2,457182	18,61648
10,34	7,718197	18,31734	90,760304	0,034402	0,604228	2,771871	18,670736
10,36	6,281008	21,391903	79,198482	0,051603	0,610216	2,724737	18,71821
10,38	5,034106	30,525907	70,527115	0,080477	0,604228	2,697407	18,769074
10,4	3,922987	54,281272	71,683297	0,090306	0,6186	2,528955	18,89115
10,42	4,327232	78,06755	106,368764	0,079248	0,637164	2,563354	19,026789
10,44	5,790651	80,696323	164,755965	0,078019	0,655129	2,796939	19,10139
10,46	7,210995	72,44393	206,956616	0,06389	0,653931	2,528955	19,162428
10,48	7,296623	77,770827	152,616052	0,037474	0,647344	2,572098	19,213293
10,5	7,44972	91,790618	151,45987	-0,007372	0,677885	2,555881	19,264157
10,52	9,168337	105,477544	194,816703	-0,032559	0,683274	2,556312	19,348932
10,54	11,589586	91,622426	213,315618	-0,047917	0,700641	2,79333	19,423533
10,56	14,050902	82,545973	119,664859	-0,064504	0,715612	2,634416	19,471007
10,58	15,653961	49,10119	100,587852	-0,077405	0,738368	2,616164	19,565955
10,6	15,824211	35,484884	107,524946	-0,07249	0,753339	2,458727	19,664293
10,62	15,402538	28,088479	108,681128	-0,039931	0,767711	2,487546	19,735504
10,64	14,680792	31,259644	102,322126	-0,035017	0,784478	2,875419	19,766022
10,66	13,893331	25,26162	96,541215	-0,040546	0,797653	2,617692	19,789759
10,68	13,339142	19,105373	94,806941	-0,031945	0,799449	2,587009	19,813496
10,7	12,672726	17,167246	92,494577	-0,037474	0,821007	2,616268	19,86097
10,72	12,079981	22,909021	90,760304	-0,049146	0,858135	2,582175	19,871143
10,74	11,611233	25,732422	89,604121	-0,062047	0,871908	2,782559	19,874534
10,76	11,236966	28,428308	87,869848	-0,08232	0,870112	2,51375	19,888098
10,78	10,763062	26,618915	86,135575	-0,093378	0,857536	2,595721	19,905053
10,8	7,697973	29,822416	67,058568	-0,114879	0,863525	0,916088	19,918616
10,82	9,081829	19,683208	149,147505	-0,042388	0,828193	0,023094	17,585622
10,84	8,303665	19,239453	134,117137	-0,044846	0,825798	2,521237	17,57884
10,86	7,56398	22,539148	123,711497	-0,054675	0,818612	2,764791	17,572058
10,88	7,443797	24,126257	124,289588	-0,060204	0,825798	2,609702	17,561885
10,9	7,194239	34,249663	123,711497	-0,053446	0,803641	2,586417	17,514412
10,92	7,21036	32,69306	127,180043	-0,04116	0,806635	2,658564	17,548321
10,94	8,023326	40,87427	143,944685	-0,048532	0,854542	2,520176	17,616141
10,96	9,483194	42,078837	164,755965	-0,039317	0,873106	2,667099	17,633096
10,98	10,599722	32,308281	171,693059	-0,050989	0,864722	2,800558	17,616141
11	10,607077	25,242997	162,443601	-0,15051	0,889874	0,010006	16,395388
11,02	11,860262	22,863963	163,599783	-0,155424	0,903647	2,578002	16,391997
11,04	12,426593	18,296859	164,755965	-0,153582	0,891071	2,568397	16,36826
11,06	12,563029	18,234628	163,599783	-0,138838	0,874903	2,573377	16,347915
11,08	12,50019	24,263361	163,021692	-0,141295	0,840769	2,524952	16,334351
11,1	12,740896	22,804783	159,553145	-0,121637	0,784478	2,78614	16,327569
11,12	13,068203	19,503867	158,975054	-0,124094	0,79406	2,615517	16,344524
11,14	13,555484	24,641223	124,867679	-0,121022	0,810827	2,638096	16,381824
11,16	14,060061	25,750205	139,898048	-0,118565	0,81442	2,52838	16,405561

11,18	15,026251	22,862335	159,553145	-0,107507	0,812624	2,461634	16,419125
11,2	15,304916	22,131012	168,224512	-0,114879	0,815019	2,740292	16,453035
11,22	15,202253	21,336034	169,958785	-0,101978	0,809629	2,645886	16,476772
11,24	15,080164	21,619735	173,427332	-0,104435	0,813821	2,736275	16,507291
11,26	14,885223	22,3476	178,052061	-0,099521	0,810228	2,555881	16,537809
11,28	14,782784	21,172521	183,254881	-0,093992	0,813222	2,546111	16,558155
11,3	14,803968	20,440995	189,613883	-0,090306	0,81981	2,747247	16,595456
11,32	14,943769	21,167842	198,285249	-0,078019	0,829391	2,60823	16,636148
11,34	14,969436	23,131998	204,066161	-0,074333	0,835379	2,478094	16,683622
11,36	15,157655	24,017068	214,4718	-0,074948	0,843164	2,622393	16,737877
11,38	15,537789	24,934067	224,87744	-0,05959	0,841967	2,524952	16,788742
11,4	16,063028	26,706037	229,502169	-0,053446	0,851548	2,568008	16,866734
11,42	16,329178	26,608214	168,802603	-0,046074	0,856938	2,861877	16,910817
11,44	16,636163	26,636074	160,709328	-0,040546	0,871908	2,578002	16,975246
11,46	16,778243	26,220382	154,928416	-0,032559	0,882688	2,608034	17,029502
11,48	17,104804	24,567177	160,709328	-0,021501	0,870711	2,516984	17,087148
11,5	17,319138	24,75265	171,114967	-0,010444	0,882688	2,445986	17,168532
11,52	17,516995	25,637516	176,895879	0,001843	0,891071	2,82826	17,239742
11,54	17,64869	26,108318	183,832972	0,012287	0,899455	2,752137	17,310953
11,56	17,612828	28,133688	168,224512	0,014129	0,915025	2,510139	17,395727
11,58	17,20255	38,977635	168,224512	0,009829	0,92281	2,574115	17,500848
11,6	16,61332	42,621839	163,021692	0,024573	0,935385	2,63597	17,572058
11,62	15,501767	32,306042	150,303688	0,032559	0,941374	2,417676	17,653442
11,64	14,568604	27,513602	139,319957	0,05959	0,919217	2,893676	17,683961
11,66	13,565392	27,766595	133,539046	0,10505	0,883286	2,673974	17,697525
11,68	13,518656	40,16979	143,366594	0,141909	0,866519	2,568397	17,724652
11,7	14,14432	24,456523	163,021692	0,149281	0,860531	2,555881	17,873856
11,72	14,622152	26,034679	180,364425	0,129623	0,858734	2,559828	18,009495
11,74	15,037294	30,850097	197,129067	0,111193	0,861129	2,751425	18,124788
11,76	15,510866	31,065667	213,315618	0,108121	0,874903	2,517373	18,233299
11,78	16,37305	34,580934	232,970716	0,119179	0,880891	2,544081	18,33842
11,8	17,335171	34,099755	254,360087	0,128394	0,88149	2,610091	18,426585
11,82	18,115846	27,16299	237,017354	0,216243	0,85574	0,023989	17,711089
11,84	19,410313	25,640554	223,721258	0,211942	0,870112	2,446858	17,704307
11,86	20,602863	24,879743	234,704989	0,227301	0,879095	2,736828	17,694134
11,88	21,326814	23,325988	202,331887	0,230987	0,88149	2,643261	17,68057
11,9	22,033692	21,994111	217,362256	0,244502	0,88149	2,546414	17,670397
11,92	22,633646	22,406955	227,767896	0,254945	0,878496	2,558902	17,663615
11,94	23,145998	28,9675	260,719089	0,25556	0,879693	0,49324	17,775517
11,96	23,409802	36,121884	274,015184	0,267232	0,885083	0,248059	18,036623
11,98	24,417091	37,763695	260,140998	0,272146	0,895263	0,285392	18,168871
12	26,156587	36,299828	228,345987	0,275832	0,938978	0,2082	18,243472
12,02	27,167069	34,328361	198,863341	0,283819	0,939577	0,044248	17,789081
12,04	27,711022	35,756026	197,707158	0,293034	0,946763	2,691921	17,789081
12,06	28,211489	38,73887	199,441432	0,299791	0,956944	2,592612	17,778908
12,08	28,364625	43,085723	200,019523	0,308392	0,979699	2,562472	17,772126
12,1	28,017444	40,167145	195,394794	0,317607	0,996467	2,500707	17,768735
12,12	26,669851	36,487349	171,693059	0,323136	1,006647	2,493378	17,761953
12,14	25,416517	36,962424	157,818872	0,320678	1,027008	3,004707	17,775517
12,16	22,973285	32,424808	126,601952	0,343408	1,039583	2,565563	17,789081
12,18	20,716664	30,011809	105,212581	0,340951	1,045572	2,467594	17,8196
12,2	18,22184	28,010637	86,713666	0,352009	1,068327	2,609965	17,860292
12,22	15,879928	28,674235	73,41757	0,324978	1,059944	2,496554	17,904374
12,24	13,632573	25,593772	64,746204	0,318835	1,071322	2,816893	17,972194
12,26	12,907205	24,637316	63,590022	0,327436	1,088089	2,654772	18,033232
12,28	12,487661	24,790859	68,214751	0,359381	1,116833	2,804781	18,118006
12,3	11,526966	24,945419	63,590022	0,369824	1,11863	2,434583	18,185826
12,32	8,420305	26,175811	45,669197	0,347709	1,125217	2,508495	18,301119
12,34	5,707895	29,62966	33,529284	0,343408	1,120426	2,63597	18,37233
12,36	4,146695	39,553963	30,060738	0,342794	1,11324	2,827741	18,470668
12,38	3,674354	56,679229	30,638829	0,34218	1,122223	2,626824	18,58257
12,4	5,274973	78,62866	48,559653	0,349552	1,115636	2,736275	18,663954
12,42	10,66884	110,776532	88,447939	0,356923	1,112043	2,454609	18,779247
12,44	15,125939	81,181163	145,678959	0,347709	1,114438	2,458788	18,952187
12,46	15,549037	61,347397	145,678959	0,348937	1,124618	2,8289	19,036962
12,48	14,990406	47,190733	132,382863	0,350166	1,129409	2,592612	19,152255
12,5	14,058552	40,555139	119,664859	0,358766	1,127014	2,539169	19,233639
12,52	12,387954	37,407969	100,009761	0,371667	1,133601	2,649732	19,338759
12,54	10,632587	37,973338	85,557484	0,364295	1,152764	2,462119	19,433706
12,56	9,165055	29,974549	74,573753	0,360609	1,151566	2,887039	19,498135
12,58	8,052943	25,910176	68,792842	0,357538	1,146176	2,5537	19,555782

12,6	6,771635	29,141334	61,277657	0,357538	1,146775	2,706268	19,637165
12,62	5,228347	37,958079	52,0282	0,367367	1,155159	2,654772	19,68803
12,64	3,42452	45,727056	42,200651	0,358766	1,162345	2,517245	19,752458
12,66	2,628201	50,451772	38,732104	0,363067	1,158752	2,531966	19,79315
12,68	2,22436	56,604559	38,732104	0,361224	1,161147	2,783837	19,82706
12,7	2,135368	75,256533	41,044469	0,370439	1,164142	2,809294	19,874534
12,72	2,034086	86,896882	46,82538	0,371053	1,171926	2,435739	19,925398
12,74	1,984331	81,120329	108,681128	0,36491	1,171328	2,674612	19,96609
12,76	1,817461	63,922863	201,175705	0,365524	1,17013	2,648632	20,006782
12,78	1,714184	58,242098	232,392625	0,358766	1,173124	2,609702	20,030519
12,8	1,542801	53,291842	269,968547	0,355695	1,176717	2,697407	20,047474
12,82	1,814893	42,60559	209,847072	0,405256	1,152764	0,016523	16,785351
12,84	1,656621	30,360821	209,847072	0,402817	1,159351	2,56193	16,761614
12,86	1,426979	26,966151	236,439262	0,405866	1,151566	2,539169	16,761614
12,88	1,392703	28,48879	265,343818	0,413183	1,157554	2,455949	16,765005
12,9	1,424536	27,759298	287,889371	0,410134	1,15456	2,926093	16,761614
12,92	1,306899	27,567926	308,12256	0,404036	1,166537	2,605091	16,778569
12,94	1,343171	27,915893	342,808026	0,397328	1,170729	2,728412	16,795524
12,96	1,4554	22,553811	376,915401	0,386962	1,183903	2,524804	16,802306
12,98	1,41275	21,662434	416,803688	0,383303	1,184502	0,626398	16,853171
13	1,064073	15,414265	434,146421	0,379644	1,183304	0,292425	16,822652
13,02	1,604238	24,237956	352,057484	0,32375	1,259956	0,014263	15,700237
13,04	1,638664	23,540596	379,227766	0,316378	1,270735	2,490458	15,690064
13,06	1,619344	23,255674	413,335141	0,333579	1,270735	2,902578	15,679891
13,08	1,65155	22,019585	437,614967	0,339108	1,271334	2,626824	15,659546
13,1	1,644072	21,321208	420,272234	0,34648	1,285107	2,543867	15,666328
13,12	1,604984	23,637198	441,661605	0,353852	1,289299	2,584715	15,666328
13,14	1,438637	27,507146	422,584599	0,369824	1,285706	2,726487	15,683282
13,16	1,37689	30,106838	420,850325	0,364295	1,297682	2,605892	15,707019
13,18	1,352162	31,184704	430,677874	0,376582	1,299479	2,613061	15,720583
13,2	1,34957	32,738866	462,472885	0,369824	1,301874	2,662368	15,727365
13,22	1,383622	31,374246	485,596529	0,385133	1,318043	2,593507	15,734147
13,24	1,420193	31,247139	515,657267	0,386962	1,337805	2,817644	15,737538
13,26	1,632808	30,454195	582,137744	0,385742	1,347985	2,685419	15,734147
13,28	2,915307	35,308053	587,918655	0,352623	1,367747	2,573377	15,737538
13,3	3,601557	27,75607	266,5	0,363067	1,38152	2,59553	15,757884
13,32	3,837553	23,789927	169,380694	0,380254	1,388706	2,730233	15,771448
13,34	3,87325	42,951143	154,928416	0,390621	1,413258	2,568397	15,785012
13,36	4,304276	54,530279	304,075922	0,394279	1,428828	2,683581	15,798576
13,38	4,506537	51,674542	276,327549	0,385742	1,440206	2,560415	15,805358
13,4	5,130335	56,369159	261,875271	0,382693	1,443799	2,546602	15,818922
13,42	4,906238	69,78921	229,502169	0,39367	1,439607	2,52838	15,818922
13,44	4,038769	63,253677	182,098698	0,390011	1,444997	3,109076	15,818922
13,46	3,07246	55,861952	147,413232	0,411354	1,450985	2,586417	15,81214
13,48	2,425215	50,088247	141,05423	0,408915	1,459369	2,478848	15,805358
13,5	1,997243	53,513422	131,804772	0,42111	1,464758	2,57399	15,825704
13,52	2,016489	65,790527	162,443601	0,413183	1,471346	2,84969	15,839268
13,54	2,021151	66,424435	208,690889	0,411963	1,475537	2,619275	15,84944
13,56	1,90137	49,387429	235,28308	0,408915	1,47434	2,659628	15,852831
13,58	1,60532	40,947122	226,611714	0,412573	1,477933	2,578585	15,873177
13,6	1,72732	38,250015	259,562907	0,419891	1,48452	2,875419	15,88335
13,62	2,645365	36,471941	400,039046	0,414403	1,489311	2,544302	15,903696
13,64	3,918384	30,855238	515,657267	0,416842	1,495898	2,667099	15,924042
13,66	5,03104	30,4729	453,801518	0,413793	1,508474	2,6485	15,95117
13,68	5,765681	33,517771	377,493492	0,418061	1,518055	2,599357	15,968125
13,7	6,054689	36,277516	333,558568	0,419281	1,518055	2,791	15,971516
13,72	5,832703	44,081271	274,593275	0,418061	1,517456	2,57718	15,98508
13,74	5,071108	36,910813	221,408894	0,425379	1,530631	2,647219	15,991862
13,76	3,786547	26,028223	174,005423	0,424769	1,530032	2,567378	16,002035
13,78	3,082642	32,911927	161,86551	0,419281	1,542009	2,524804	16,015599
13,8	1,723516	30,588627	179,208243	0,415622	1,569555	0,024371	15,608681
13,82	2,783851	55,557104	213,315618	0,418671	1,570753	2,312689	15,60529
13,84	2,407705	66,915176	191,926247	0,416842	1,571352	2,857082	15,601899
13,86	1,984992	71,927663	179,786334	0,42294	1,586323	2,608034	15,60529
13,88	1,657555	64,662231	175,739696	0,418671	1,604288	2,490458	15,608681
13,9	1,610915	59,299945	212,737527	0,407695	1,601293	2,667981	15,618854
13,92	2,14815	53,683853	364,775488	0,406475	1,588119	2,695319	15,629027
13,94	3,500628	51,938522	535,890456	0,403426	1,588718	2,681549	15,635809
13,96	4,695436	46,068215	461,894794	0,404646	1,598299	2,642441	15,652764
13,98	5,196119	44,321867	441,083514	0,405256	1,60848	2,546111	15,676501
14	6,164346	43,876484	459,58243	0,405866	1,61866	2,552867	15,696846

14,02	6,713445	51,013995	453,801518	0,411963	1,627044	2,88909	15,71041
14,04	8,105768	59,039424	492,533623	0,42111	1,623451	2,556312	15,730756
14,06	8,97761	62,623229	476,347072	0,415012	1,628241	2,630159	15,751102
14,08	9,150731	55,705968	418,537961	0,408915	1,635427	2,543661	15,768057
14,1	9,080628	58,941398	383,274403	0,42233	1,636026	2,884518	15,77823
14,12	8,624982	58,940787	331,246204	0,416842	1,650398	2,608034	15,788403
14,14	7,289744	46,186166	245,110629	0,424159	1,662974	2,634941	15,801967
14,16	6,096824	45,170531	200,597614	0,419281	1,662974	2,546111	15,808749
14,18	4,715653	53,798752	174,583514	0,416232	1,667765	2,774321	15,832486
14,2	4,158579	71,24677	165,912148	0,402817	1,661177	2,677691	15,84944
14,22	3,606175	92,755294	159,553145	0,417452	1,671358	2,574115	15,876568
14,24	3,143885	105,747341	151,45987	0,418671	1,671956	2,67085	15,896914
14,26	2,901432	111,919327	175,739696	0,418061	1,680939	2,531966	15,924042
14,28	2,935112	114,205587	242,798265	0,415012	1,677945	2,839588	15,947779
14,3	3,082866	102,138426	285,577007	0,418061	1,69052	2,647609	16,005426
14,32	2,949974	95,727152	267,656182	0,412573	1,700102	2,507073	16,049508
14,34	2,653253	79,512171	282,686551	0,406475	1,719265	2,499805	16,100373
14,36	2,373931	63,646989	267,656182	0,418671	1,721061	2,971791	16,137674
14,38	2,52672	54,094444	313,903471	0,414403	1,72166	2,701009	16,188538
14,4	4,639082	63,291697	605,839479	0,414403	1,723456	2,613061	16,242794
14,42	5,29798	56,181435	498,314534	0,42233	1,744416	2,493067	16,303832
14,44	4,352208	42,821581	223,721258	0,418671	1,758189	2,511405	16,358087
14,46	3,809219	39,456399	195,394794	0,416232	1,759986	2,853381	16,395388
14,48	3,345748	45,957968	184,989154	0,410744	1,762381	2,568397	16,432689
14,5	2,884535	65,340248	170,536876	0,402207	1,765375	2,778987	16,46999
14,52	2,783477	76,949481	274,593275	0,412573	1,781544	2,475962	16,510682
14,54	2,882968	81,357549	324,309111	0,408915	1,786335	2,591915	16,5412
14,56	3,335535	87,352114	378,649675	0,415622	1,787532	2,864513	16,568328
14,58	5,19021	100,103886	552,077007	0,426599	1,797114	2,638228	16,602238
14,6	9,652189	96,168045	780,422993	0,430867	1,803701	2,470211	16,632757
14,62	11,985799	80,970531	772,907809	0,425989	1,800108	2,446858	16,646321
14,64	13,866885	70,435094	282,686551	0,431477	1,79891	2,729926	16,697185
14,66	14,560278	72,748032	308,700651	0,430867	1,81448	2,729342	16,737877
14,68	14,365337	65,766506	302,91974	0,435136	1,819869	2,460643	16,768396
14,7	14,345314	68,176045	311,013015	0,432087	1,821067	2,59553	16,795524
14,72	14,534278	78,263657	336,449024	0,437575	1,827654	2,688814	16,819261
14,74	14,589385	84,035734	350,901302	0,443063	1,83484	2,638096	16,84978
14,76	14,540519	90,760809	358,994577	0,443673	1,837236	2,572098	16,863344
14,78	14,238805	101,926694	356,682213	0,448551	1,839631	2,494045	16,890471
14,8	13,905523	111,609008	350,901302	0,441234	1,838433	2,624817	16,917599
14,82	13,393205	99,844586	559,0141	0,524775	1,817474	0,029307	16,693795
14,84	13,485632	99,337378	518,547722	0,529044	1,819869	2,531966	16,687013
14,86	13,694471	98,480779	505,251627	0,532093	1,826457	2,778987	16,687013
14,88	13,774607	99,718089	497,158351	0,530873	1,820468	2,685419	16,687013
14,9	13,446554	99,051235	456,691974	0,525995	1,822864	2,543867	16,697185
14,92	12,839314	98,130777	405,241866	0,536971	1,826457	2,59553	16,703967
14,94	11,721894	95,496511	335,292842	0,54063	1,821666	2,778987	16,720922
14,96	10,196566	97,620315	263,609544	0,538801	1,81448	2,623044	16,751441
14,98	7,723233	100,377619	188,457701	0,524165	1,820468	2,585458	16,798915
15	5,975126	104,593334	153,772234	0,532703	1,821666	2,403104	16,84978
15,02	4,574096	101,077433	195,394794	0,534532	1,813282	0,015963	16,239403
15,04	3,636747	115,096895	160,131236	0,527214	1,816276	2,500051	16,239403
15,06	2,928547	131,329644	143,944685	0,533922	1,816276	2,774321	16,246185
15,08	2,618137	137,34616	142,788503	0,530263	1,809689	2,716781	16,252967
15,1	2,197718	132,707505	167,06833	0,525995	1,82466	2,534984	16,26314
15,12	2,004273	121,017158	248,001085	0,521116	1,819271	2,531966	16,283486
15,14	1,683718	103,040369	446,864425	0,520507	1,828852	2,620918	16,314005
15,16	1,599612	84,98549	563,060738	0,521726	1,833044	2,673314	16,354697
15,18	1,662086	67,120966	633,009761	0,513189	1,832445	2,639709	16,40217
15,2	3,646356	48,240604	935,35141	0,516238	1,838433	2,549549	16,459817
15,22	7,85254	39,037248	922,055315	0,521726	1,837835	2,397023	16,507291
15,24	10,744491	28,913841	422,006508	0,51075	1,839631	2,84969	16,554764
15,26	10,88672	30,846272	246,844902	0,50953	1,833044	2,638228	16,602238
15,28	8,926664	25,98977	189,613883	0,489407	1,836038	2,519966	16,64293
15,3	7,128403	34,014588	164,755965	0,471113	1,841428	2,429842	16,673449
15,32	5,590456	46,417783	154,928416	0,468064	1,849213	2,703167	16,700576
15,34	4,886693	61,709254	152,037961	0,454649	1,845021	2,758943	16,707358
15,36	4,501076	83,663365	160,709328	0,460747	1,843224	2,683581	16,710749
15,38	4,155976	102,919555	159,553145	0,467455	1,851608	2,510663	16,734486
15,4	3,637605	110,585023	154,350325	0,465625	1,861189	2,610091	16,74805
15,42	3,164397	110,961487	151,45987	0,467455	1,868375	2,472349	16,741268

15,44	2,538916	109,927125	175,161605	0,466235	1,882747	2,846008	16,744659
15,46	2,235387	108,860001	237,595445	0,466235	1,885143	2,587009	16,771787
15,48	1,897582	96,09442	373,446855	0,468674	1,898317	2,472038	16,802306
15,5	1,608786	84,322691	481,549892	0,467455	1,905503	2,500352	16,826043
15,52	1,58376	71,31345	571,154013	0,453429	1,919875	2,789119	16,859953
15,54	1,973893	62,269537	675,788503	0,458308	1,924067	2,799067	16,88708
15,56	4,163846	56,049025	820,31128	0,468674	1,932451	2,648688	16,924381
15,58	7,331626	41,801659	734,753796	0,469894	1,939038	2,493067	16,965073
15,6	9,33314	44,718	246,266811	0,476602	1,964788	2,66778	17,015938
15,62	10,151522	51,092462	265,343818	0,474772	1,983951	2,595721	17,046456
15,64	10,332397	45,538803	264,765727	0,472943	1,991137	2,550052	17,073584
15,66	10,516206	50,803266	275,749458	0,476602	2,006707	2,661271	17,107494
15,68	10,766179	63,493215	296,560738	0,477821	2,011498	2,386689	17,114276
15,7	11,307629	75,390219	332,980477	0,485139	2,01569	2,887616	17,117667
15,72	12,269112	85,066208	378,649675	0,485748	2,019283	2,590764	17,124449
15,74	13,689928	97,915804	431,255965	0,48148	2,030062	2,531966	17,114276
15,76	14,379807	113,41543	445,708243	0,499774	2,032457	2,514504	17,104103
15,78	14,319173	128,771321	413,335141	0,498554	2,03605	2,340597	17,100712
15,8	12,504812	139,707314	282,10846	0,496115	2,036649	2,895077	17,117667
15,82	4,817515	137,114585	204,066161	0,554655	2,034254	0,021044	16,456426
15,84	6,231972	118,750436	184,411063	0,554655	2,040841	2,453116	16,456426
15,86	4,482575	105,995814	120,821041	0,555875	2,03605	2,839588	16,453035
15,88	3,236699	95,195326	106,368764	0,556485	2,045033	2,589511	16,453035
15,9	2,579235	99,445781	116,774403	0,560753	2,036649	2,61177	16,466599
15,92	2,256163	86,055828	232,392625	0,555875	2,042637	2,564389	16,493727
15,94	2,311978	73,047197	412,75705	0,553436	2,057608	2,535488	16,510682
15,96	2,177091	67,842727	428,36551	0,554655	2,055812	2,829844	16,534418
15,98	1,900361	62,384043	438,193059	0,556485	2,0618	2,677691	16,564937
16	1,67471	52,832109	608,151844	0,549777	2,073777	2,48464	16,605629
16,02	1,67389	40,329871	761,345987	0,546118	2,080963	2,517977	16,64293
16,04	1,651231	29,9854	805,859002	0,547338	2,073777	2,824116	16,673449
16,06	1,613841	24,209254	783,313449	0,546728	2,068387	2,634416	16,707358
16,08	1,676612	21,859504	779,266811	0,559533	2,064794	2,586417	16,741268
16,1	1,776328	25,189501	816,842733	0,56868	2,075573	2,511041	16,761614
16,12	2,274251	29,725083	901,244035	0,564412	2,076172	2,591542	16,78196
16,14	2,699034	34,324523	909,915401	0,56929	2,075573	2,875419	16,795524
16,16	2,667126	39,749243	781,579176	0,563192	2,092341	2,556312	16,802306
16,18	2,603385	38,923759	382,118221	0,568071	2,091742	2,628524	16,812479
16,2	2,253961	69,06315	469,409978	0,56929	2,095934	2,5378	16,81587
16,22	2,158685	73,91721	532,421909	0,580266	2,090544	2,83077	16,81587
16,24	2,693701	77,565688	726,660521	0,572339	2,103719	2,64126	16,81587
16,26	3,946956	80,32584	926,101952	0,576608	2,107911	2,546414	16,81587
16,28	5,128127	79,311832	300,029284	0,572339	2,093539	2,526159	16,795524
16,3	4,9401	84,578126	267,078091	0,575388	2,095335	2,654772	16,798915
16,32	4,31578	67,191729	242,798265	0,574169	2,108509	2,705793	16,809088
16,34	3,923009	55,326247	230,08026	0,571729	2,114498	2,587009	16,809088
16,36	3,462693	54,025282	211,003254	0,579047	2,118091	2,579403	16,812479
16,38	3,089541	60,243556	196,550976	0,585755	2,122283	2,517681	16,812479
16,4	2,683854	70,363708	190,770065	0,587584	2,121684	2,555465	16,819261
16,42	2,547121	78,295383	199,441432	0,591853	2,11869	2,921499	16,81587
16,44	2,268619	72,806804	238,173536	0,60039	2,106713	2,754755	16,81587
16,46	2,21258	62,083861	271,70282	0,609537	2,110905	2,460643	16,809088
16,48	2,075473	62,336854	251,469631	0,620513	2,11869	2,502178	16,822652
16,5	1,955617	62,717158	250,313449	0,626611	2,110905	2,979929	16,829434
16,52	1,789419	59,671269	275,749458	0,627221	2,109707	2,559388	16,832825
16,54	1,720941	58,275127	306,388286	0,630879	2,103719	2,560415	16,836216
16,56	1,642765	57,672335	348,588937	0,62966	2,1133	2,540881	16,836216
16,58	1,630475	54,880253	421,428416	0,630879	2,1133	2,546111	16,839607
16,6	1,672006	52,595989	475,76898	0,62905	2,121085	2,958657	16,839607
16,62	1,767283	48,979238	531,265727	0,62966	2,119289	2,547128	16,839607
16,64	1,855082	45,552435	560,748373	0,632099	2,115097	2,475962	16,846389
16,66	2,167785	44,82274	619,135575	0,626611	2,127073	2,727809	16,846389
16,68	2,68074	46,916445	650,352495	0,62844	2,126475	2,740788	16,84978
16,7	3,230339	50,025379	585,606291	0,630879	2,122882	2,51375	16,853171
16,72	3,688304	59,574871	474,034707	0,636977	2,12887	2,686799	16,853171
16,74	4,201483	67,030251	443,97397	0,640026	2,142044	2,451973	16,856562
16,76	5,268878	79,276241	422,584599	0,632709	2,142643	2,709365	16,856562
16,78	5,707581	79,562181	378,071584	0,636977	2,14444	2,61177	16,853171
16,8	5,317444	74,486649	278,639913	0,630269	2,150428	2,571767	16,842998
16,82	4,949619	60,037372	255,516269	0,621123	2,191149	0,019223	15,489997
16,84	4,677479	66,858845	229,502169	0,616854	2,192946	2,420789	15,483215

16,86	4,723113	81,420621	208,690889	0,619293	2,204922	2,85451	15,489997
16,88	5,081926	101,439046	214,4718	0,620513	2,210911	2,598306	15,50017
16,9	5,997439	112,696468	241,063991	0,621732	2,22169	2,496305	15,506952
16,92	5,818902	108,997957	202,909978	0,618683	2,224085	2,511041	15,517124
16,94	5,119883	95,282596	161,86551	0,620513	2,228876	2,8839	15,527297
16,96	4,874025	72,312849	159,553145	0,624781	2,239655	2,57581	15,530688
16,98	5,478248	73,072643	209,847072	0,620513	2,256423	2,600721	15,557816
17	6,521054	107,252177	267,078091	0,616244	2,286963	0,015617	15,36453
17,02	6,897182	88,05947	243,376356	0,604658	2,300138	2,547128	15,354357
17,04	6,721353	74,576171	222,565076	0,615025	2,30912	2,697094	15,350966
17,06	6,44417	73,402109	215,049892	0,608927	2,307923	2,479761	15,354357
17,08	5,892213	76,701195	195,394794	0,603439	2,310917	2,826381	15,361139
17,1	5,046057	79,618959	169,958785	0,607707	2,315109	2,653989	15,378094
17,12	4,093728	74,922104	148,569414	0,609537	2,318702	2,52838	15,401831
17,14	3,350813	75,967023	141,05423	0,59917	2,312114	2,582427	15,435741
17,16	2,989679	89,163162	139,898048	0,589413	2,310917	2,52146	15,46626
17,18	2,576141	103,088996	140,476139	0,590023	2,298341	2,807822	15,496779
17,2	2,426521	104,923592	200,597614	0,585755	2,310318	2,643459	15,523906
17,22	2,352411	95,153658	283,264642	0,585755	2,303731	2,540881	15,561207
17,24	2,244173	86,966344	328,933839	0,590633	2,302533	2,528454	15,595117
17,26	2,045507	71,976262	569,41974	0,579047	2,295347	0,373853	15,852831
17,28	1,996423	70,421083	505,829718	0,579657	2,308521	2,824424	15,863004
17,3	1,893593	70,039762	538,780911	0,587584	2,301934	2,61453	15,873177
17,32	2,186231	59,251536	673,476139	0,573559	2,299539	2,493865	15,896914
17,34	3,107017	53,286458	845,169197	0,565631	2,295946	2,692217	15,910478
17,36	3,834121	48,209502	571,154013	0,556485	2,308521	2,81534	15,920651
17,38	4,029003	43,544983	346,854664	0,562582	2,301934	2,514009	15,934215
17,4	3,481717	39,356352	283,264642	0,566851	2,310318	2,514135	15,947779
17,42	2,851602	36,594979	258,984816	0,559533	2,30433	2,608603	15,968125
17,44	2,418893	39,068784	258,406725	0,545508	2,310318	2,854287	15,98508
17,46	2,049777	42,050407	265,921909	0,545508	2,312713	2,547405	15,991862
17,48	1,788152	48,331523	397,14859	0,549777	2,309719	2,535563	16,002035
17,5	1,636388	52,169541	576,934924	0,54002	2,312713	2,62531	16,015599
17,52	1,575313	48,838323	586,184382	0,543069	2,325888	2,839588	16,015599
17,54	1,521418	45,41152	597,168113	0,533312	2,322894	2,685419	16,02238
17,56	1,51394	42,524058	628,963124	0,532093	2,328283	2,639329	16,029162
17,58	1,56998	38,399285	664,804772	0,530873	2,327085	2,458727	16,035944
17,6	1,626019	32,846848	679,835141	0,522946	2,329481	2,764791	16,042726
17,62	1,615874	29,831871	620,869848	0,519287	2,33008	2,565563	16,059681
17,64	1,593514	27,038976	520,860087	0,504042	2,331876	2,571249	16,076636
17,66	1,448855	28,528668	476,347072	0,493676	2,325888	2,569713	16,100373
17,68	1,380377	30,051307	501,204989	0,478431	2,319899	2,926093	16,107155
17,7	1,363127	29,987449	542,249458	0,472943	2,322894	2,600593	16,110546
17,72	1,450851	28,876432	590,23102	0,463186	2,318103	2,683581	16,120719
17,74	1,497268	30,018564	639,368764	0,446112	2,318103	2,585838	16,120719
17,76	1,512075	29,606535	639,946855	0,435136	2,310318	2,44747	16,113937
17,78	1,492606	29,955723	620,291757	0,431477	2,312114	2,861877	16,107155
17,8	1,495198	30,178211	606,995662	0,417452	2,301335	2,336495	16,103764
17,82	1,520823	30,837564	581,559653	0,431477	2,287562	0,025978	15,161072
17,84	1,494025	31,694367	579,82538	0,412573	2,287562	2,546414	15,157681
17,86	1,423551	33,598937	582,715835	0,413183	2,273789	2,552867	15,140726
17,88	1,382094	33,345334	605,839479	0,415012	2,282771	2,507587	15,137335
17,9	1,362625	33,155182	649,196312	0,397938	2,283969	2,83502	15,133944
17,92	1,423551	31,790562	710,47397	0,395499	2,276783	2,5537	15,140726
17,94	1,843299	32,392133	871,761388	0,371667	2,264806	2,609965	15,161072
17,96	2,423109	34,773813	678,100868	0,353237	2,268399	2,563354	15,123771
17,98	3,403534	35,471986	631,853579	0,363067	2,271992	2,688381	15,12038
18	4,651727	35,694067	596,590022	0,359381	2,276783	2,662368	15,12038
18,02	5,675823	36,455488	485,596529	0,339722	2,268998	2,568008	15,12038
18,04	7,140734	38,00965	512,18872	0,342794	2,288161	2,58113	15,127162
18,06	8,065812	41,149902	489,643167	0,343408	2,301934	2,692217	15,133944
18,08	8,571761	50,159851	465,941432	0,343408	2,292353	2,638228	15,140726
18,1	9,012427	57,582895	440,505423	0,347094	2,306725	2,595721	15,15429
18,12	9,272593	56,313656	434,146421	0,352623	2,30912	2,570435	15,157681
18,14	9,508812	51,301169	412,178959	0,350166	2,324091	2,675285	15,150899
18,16	9,581325	53,586044	397,14859	0,354466	2,33008	2,611376	15,144117
18,18	9,460992	46,479852	377,493492	0,345866	2,333673	2,61177	15,137335
18,2	9,48012	47,74848	377,493492	0,355695	2,34026	2,617433	15,144117
18,22	9,390441	54,790203	361,885033	0,353237	2,342655	2,591542	15,167854
18,24	9,361004	56,470251	354,369848	0,352623	2,355231	2,890372	15,19159
18,26	9,591508	54,786541	381,54013	0,371053	2,361219	2,495665	15,228891

18,28	10,253637	62,304152	447,442516	0,367981	2,369004	2,677691	15,252628
18,3	11,173221	68,013184	514,501085	0,372896	2,384574	2,433469	15,279756
18,32	11,498174	68,678207	509,298265	0,371667	2,383975	2,744325	15,300102
18,34	11,538636	68,612518	483,284165	0,359381	2,394155	2,673843	15,337403
18,36	11,336261	62,455457	452,645336	0,363067	2,388766	2,567628	15,374703
18,38	11,172442	62,388953	440,505423	0,367981	2,389963	2,488311	15,425568
18,4	11,205618	65,083416	450,911063	0,377196	2,385772	2,894238	15,462869
18,42	11,408332	69,236048	486,752711	0,368596	2,394754	2,559388	15,520515
18,44	11,48933	69,73939	501,204989	0,36921	2,388766	2,561408	15,591726
18,46	11,291141	69,195981	480,393709	0,374739	2,400144	2,255688	15,659546
18,48	10,82598	71,000694	438,193059	0,374125	2,397748	2,974895	15,720583
18,5	10,304819	73,185711	398,882863	0,365524	2,403138	2,608034	15,788403
18,52	9,56777	72,990473	356,104121	0,370439	2,40194	2,5378	15,869786
18,54	9,01703	74,477927	333,558568	0,364295	2,409725	2,796036	15,944388
18,56	8,499427	73,29878	315,059653	0,369824	2,399545	2,589511	16,018989
18,58	7,989278	76,783948	300,029284	0,374739	2,406731	2,600593	16,096982
18,6	7,652249	78,935611	300,607375	0,36921	2,401341	2,588496	16,191929
18,62	7,917929	83,975145	342,808026	0,358766	2,405533	2,455345	16,273313
18,64	8,352208	93,202292	367,665944	0,357538	2,402539	2,737709	16,358087
18,66	7,453958	92,879946	264,187636	0,351395	2,395353	2,689299	16,442862
18,68	6,31437	92,905568	211,003254	0,357538	2,393557	2,552503	16,544591
18,7	5,288558	77,92627	182,098698	0,356309	2,405533	2,571249	16,622584
18,72	4,405287	67,262709	167,06833	0,353237	2,413917	2,894778	16,697185
18,74	4,082642	81,05757	175,739696	0,36491	2,409725	2,538119	16,78196
18,76	3,733714	98,533244	168,802603	0,352623	2,404336	2,583331	16,870125
18,78	3,27921	105,904246	175,739696	0,348323	2,400144	2,574881	16,937945
18,8	3,764241	94,590486	300,607375	0,351395	2,416312	2,647345	17,015938
18,82	5,026467	80,562177	318,5282	0,413183	2,363016	0,021119	16,049508
18,84	4,551917	75,771975	227,189805	0,404646	2,374394	2,642052	16,042726
18,86	3,672697	57,213144	171,114967	0,407085	2,379184	2,467345	16,029162
18,88	3,124024	50,995277	156,66269	0,400987	2,385772	2,599155	16,02238
18,9	2,784373	54,040759	150,303688	0,404646	2,391161	2,769338	16,025771
18,92	3,426914	65,049438	252,625813	0,403426	2,389365	2,626824	16,029162
18,94	5,238664	71,235173	405,819957	0,412573	2,40194	2,555881	16,042726
18,96	5,546949	73,3604	321,418655	0,410744	2,398347	2,494045	16,049508
18,98	4,31525	70,440601	186,723427	0,400987	2,403737	2,804639	16,069854
19	3,131914	61,125615	342,808026	0,369824	2,38637	0,019813	15,330621
19,02	3,090607	49,895261	252,625813	0,358152	2,422301	2,464486	15,320448
19,04	2,612003	50,847648	204,644252	0,371053	2,430086	2,496554	15,310275
19,06	2,142948	50,308308	183,254881	0,374125	2,430086	2,855978	15,310275
19,08	1,830244	51,799424	185,567245	0,372282	2,434278	2,647219	15,310275
19,1	1,571212	50,308104	194,816703	0,366753	2,446853	2,478848	15,313666
19,12	1,412342	49,070591	213,315618	0,36491	2,452841	2,57399	15,317057
19,14	1,280197	46,468458	261,29718	0,359995	2,462423	2,751425	15,32723
19,16	1,204315	37,584802	326,621475	0,367367	2,461225	2,61177	15,334012
19,18	1,194244	29,652516	413,335141	0,367367	2,460626	2,580251	15,347575
19,2	1,267161	24,067743	495,424078	0,363681	2,463621	2,396511	15,36453
19,22	1,393675	21,210988	577,513015	0,359995	2,459429	2,974004	15,388267
19,24	1,417881	18,894388	615,667028	0,352009	2,454039	2,638228	15,39844
19,26	1,398039	18,132153	631,275488	0,347094	2,45883	2,543867	15,412004
19,28	1,361244	19,432508	642,83731	0,358152	2,457033	2,514504	15,418786
19,3	1,351249	21,113369	667,117137	0,364295	2,459429	2,736828	15,428959
19,32	1,400034	21,684232	699,490239	0,365524	2,458231	2,539326	15,43235
19,34	1,482947	23,270119	713,942516	0,366753	2,461225	2,619275	15,439132
19,36	1,521885	24,697377	708,161605	0,368596	2,476196	2,428621	15,445914
19,38	1,534026	27,679407	697,755965	0,362452	2,483981	2,891342	15,449305
19,4	1,585403	32,501946	704,693059	0,363067	2,491766	2,608034	15,445914
19,42	1,668465	32,501946	711,052061	0,368596	2,495958	2,574115	15,445914
19,44	1,785729	33,929611	741,112798	0,36921	2,499551	2,601335	15,445914
19,46	2,181495	35,706261	819,155098	0,362452	2,496557	2,609278	15,445914
19,48	3,625288	39,132657	985,645336	0,371053	2,504342	2,697094	15,445914
19,5	5,572201	43,542352	509,298265	0,374125	2,522307	2,522956	15,449305
19,52	5,890348	48,36489	278,061822	0,394889	2,53069	2,575621	15,445914
19,54	6,627921	50,68149	311,013015	0,410744	2,524702	2,870891	15,435741
19,56	7,707514	50,237531	380,383948	0,42355	2,5259	2,568397	15,43235
19,58	6,803527	47,159103	243,954447	0,420501	2,537877	2,650795	15,449305
19,6	4,88538	44,462199	158,396963	0,413793	2,543266	2,486123	15,452696
19,62	3,598558	39,25895	131,804772	0,418671	2,555842	2,467345	15,456087
19,64	2,750414	45,857731	128,336226	0,419281	2,558237	2,889744	15,459478
19,66	2,227613	56,676259	136,429501	0,414403	2,563028	2,699747	15,459478
19,68	1,883001	74,029913	172,27115	0,408305	2,569615	2,624817	15,46626

19,7	1,804825	84,62636	420,272234	0,414403	2,575603	2,423285	15,46626
19,72	1,780321	75,203567	604,683297	0,419281	2,583987	2,948718	15,469651
19,74	1,757886	68,317829	744,581345	0,419281	2,583388	2,625519	15,489997
19,76	1,747667	69,585644	793,719089	0,406475	2,583388	2,45029	15,510342
19,78	1,693324	54,577671	816,842733	0,407695	2,589377	2,398705	15,53747
19,8	1,83955	43,188701	602,370933	0,380864	2,629499	0,015297	14,998305
19,82	1,842068	33,19525	635,900217	0,391231	2,646266	2,550182	14,994914
19,84	1,807866	33,322153	678,100868	0,379644	2,643871	2,517681	14,994914
19,86	1,759006	29,578498	738,222343	0,386962	2,640877	2,474093	14,994914
19,88	1,727322	29,959412	753,830803	0,390621	2,645667	2,84969	14,991523
19,9	1,658843	29,578498	763,08026	0,386352	2,646865	2,583265	14,994914
19,92	1,585553	30,054387	778,110629	0,385742	2,646266	2,624817	14,994914
19,94	1,507303	30,434894	802,968547	0,382084	2,645069	2,482604	14,998305
19,96	1,470583	29,51464	805,859002	0,374739	2,646865	2,8205	15,001695
19,98	1,38989	27,737786	821,467462	0,374739	2,64926	2,638228	15,005086
20	1,392184	26,277989	870,027115	0,372896	2,648662	2,568008	15,011868
20,02	1,463031	26,531796	917,430586	0,380254	2,653452	2,549672	15,011868
20,04	1,548461	24,754943	946,913232	0,378425	2,652853	2,757966	15,015259
20,06	1,69008	24,913369	949,803688	0,36921	2,658842	2,673314	15,01865
20,08	3,224282	28,37149	1125,54338	0,382693	2,660638	2,564966	15,01865
20,1	6,323695	26,46753	1018,01844	0,381474	2,657045	2,546111	15,025432
20,12	8,49945	30,369407	276,327549	0,395499	2,648662	2,431749	15,032214
20,14	8,843953	33,763874	280,952278	0,39306	2,645069	2,802254	15,035605
20,16	9,067901	31,89164	300,607375	0,397328	2,650458	2,60196	15,042387
20,18	9,754498	37,379812	357,260304	0,400377	2,658243	2,52838	15,049169
20,2	10,758187	55,36839	375,759219	0,394279	2,666627	2,549549	15,049169
20,22	11,571838	61,047731	399,460954	0,404036	2,664231	2,903268	15,042387
20,24	12,861299	74,309152	454,957701	0,402817	2,663034	2,64126	15,042387
20,26	13,19391	73,008188	431,834056	0,410134	2,666627	2,492235	15,045778
20,28	13,397594	71,452805	414,491323	0,415622	2,664231	2,454457	15,059342
20,3	13,569784	57,270723	430,099783	0,415622	2,674412	2,702292	15,069515
20,32	13,91409	58,823867	469,409978	0,424159	2,678005	2,557358	15,093252
20,34	14,102905	63,29559	495,424078	0,405866	2,678005	2,748219	15,12038
20,36	14,027104	67,101272	494,267896	0,410744	2,680999	2,28292	15,144117
20,38	13,404771	65,64005	446,286334	0,410134	2,686388	2,796939	15,174635
20,4	12,64137	64,558928	393,101952	0,409524	2,686388	2,704935	15,215327
20,42	11,217006	64,904251	304,075922	0,406475	2,680999	2,514322	15,276365
20,44	9,801393	65,567443	241,063991	0,400987	2,688185	2,517977	15,32723
20,46	8,359236	68,102258	206,378525	0,39367	2,69058	2,719759	15,381485
20,48	7,015649	70,985448	186,145336	0,388791	2,692377	2,598306	15,445914
20,5	5,691191	79,166455	169,380694	0,377196	2,69597	2,596512	15,517124
20,52	4,627049	90,93269	159,553145	0,384523	2,698964	2,546111	15,584944
20,54	3,861552	94,132529	169,380694	0,385133	2,707947	2,857082	15,659546
20,56	3,373089	97,744601	186,723427	0,388791	2,713336	2,626824	15,737538
20,58	3,08171	103,163827	231,814534	0,386352	2,718726	2,597654	15,835877
20,6	4,236456	114,175673	412,75705	0,382084	2,725313	2,426467	15,924042
20,62	4,641745	90,01873	457,848156	0,377811	2,733098	2,811531	16,029162
20,64	3,923844	59,333692	323,152928	0,378425	2,734894	2,653989	16,113937
20,66	3,247255	41,467134	279,218004	0,37351	2,74747	2,634416	16,19532
20,68	2,639602	37,210982	274,015184	0,364295	2,743877	2,38033	16,276704
20,7	2,063408	37,776351	343,386117	0,36921	2,744476	2,712821	16,371651
20,72	1,786156	43,039593	460,160521	0,366753	2,749266	2,729776	16,439471
20,74	1,752681	41,004457	708,161605	0,366138	2,753458	2,595721	16,5039
20,76	1,770808	38,970134	764,236443	0,372896	2,760644	2,534984	16,568328
20,78	1,818623	39,760433	808,171367	0,358766	2,758249	2,630159	16,615802
20,8	1,83485	51,397961	674,632321	0,429038	2,736092	0,02131	15,656155
20,82	1,844622	46,924611	667,117137	0,434526	2,734894	2,772949	15,656155
20,84	1,859354	44,79918	702,380694	0,418671	2,736092	2,623044	15,652764
20,86	1,971732	38,993342	733,019523	0,411963	2,730702	2,48174	15,652764
20,88	1,949745	40,70654	723,770065	0,406475	2,720522	2,497282	15,652764
20,9	1,952188	39,818215	694,86551	0,405866	2,706749	2,74787	15,652764
20,92	2,000974	44,672073	701,224512	0,400987	2,708545	2,595721	15,656155
20,94	2,440638	48,44725	852,106291	0,413183	2,705551	2,504142	15,659546
20,96	3,185529	51,936487	923,211497	0,410134	2,707947	2,610091	15,669719
20,98	3,417805	51,491918	475,76898	0,406475	2,719325	2,822465	15,676501
21	1,956236	3,28262	337,027115	0,366753	2,737888	0,015506	14,91353
21,02	3,392709	52,049379	357,260304	0,348323	2,749865	0,069203	14,84571
21,04	2,825067	50,431563	250,313449	0,358766	2,754656	2,463292	14,842319
21,06	2,549008	51,097806	263,031453	0,360609	2,746871	2,795445	14,842319
21,08	2,443885	49,003694	324,309111	0,35078	2,754656	2,677691	14,84571
21,1	2,355862	51,573288	401,195228	0,352623	2,74747	2,599155	14,849101

21,12	2,241041	47,956536	437,036876	0,35078	2,761243	2,478848	14,849101
21,14	1,97468	41,4208	419,116052	0,349552	2,766633	2,712821	14,852492
21,16	1,840241	36,217551	526,062907	0,345251	2,772621	2,708872	14,855883
21,18	1,84246	31,045621	662,492408	0,350166	2,76783	2,564966	14,866056
21,2	1,803148	28,475213	707,583514	0,352009	2,764836	2,405709	14,876229
21,22	1,776051	24,984755	743,425163	0,366138	2,777412	2,910117	14,886402
21,24	1,792929	23,461302	797,187636	0,363681	2,787592	2,677691	14,896575
21,26	1,831793	23,904854	783,89154	0,360609	2,797173	2,582175	14,906748
21,28	1,821722	27,838051	779,266811	0,358152	2,80436	2,555465	14,920312
21,3	1,760424	29,169927	744,003254	0,34218	2,803162	2,521237	14,930485
21,32	1,786998	30,025713	789,09436	0,320064	2,81454	2,769338	14,944049
21,34	1,96267	27,740838	837,075922	0,312078	2,825319	2,648688	14,954222
21,36	2,035885	29,358655	796,031453	0,318221	2,845679	2,464114	14,957613
21,38	2,248202	30,78571	752,67462	0,324978	2,843883	2,596512	14,967786
21,4	2,272558	35,607841	738,222343	0,326821	2,84029	2,912355	14,971177
21,42	2,353027	39,002104	707,005423	0,315149	2,838493	2,595721	14,977959
21,44	2,277071	42,015453	588,496746	0,314535	2,843284	2,500051	14,988132
21,46	2,118127	40,016316	621,447939	0,307163	2,846877	2,604579	14,994914
21,48	2,074153	38,461747	605,839479	0,304091	2,848075	2,677691	14,994914
21,5	2,03003	37,319208	606,41757	0,299791	2,865441	2,564966	15,001695
21,52	1,951704	37,445705	623,760304	0,293648	2,875022	2,646112	15,008477
21,54	1,910099	35,224689	637,056399	0,305934	2,884005	2,848462	15,011868
21,56	1,804901	33,193825	659,601952	0,311463	2,889993	2,489716	15,01865
21,58	1,82437	30,750729	706,427332	0,314535	2,894185	2,623876	15,022041
21,6	1,921941	32,46352	768,861171	0,326821	2,904366	2,570435	15,028823
21,62	1,938893	32,145854	786,203905	0,313921	2,902569	2,846008	15,035605
21,64	1,958362	28,116462	733,019523	0,307163	2,907959	2,478094	15,038996
21,66	1,924086	28,909406	723,770065	0,305934	2,915145	2,508495	15,042387
21,68	1,91905	28,179304	745,159436	0,317607	2,922331	2,733593	15,049169
21,7	1,897063	28,179304	719,145336	0,323136	2,929517	2,666841	15,049169
21,72	1,93852	30,050928	764,814534	0,324364	2,934906	2,809294	15,05256
21,74	2,075253	31,097679	819,155098	0,324978	2,940895	2,277051	15,055951
21,76	2,136253	33,286562	789,672451	0,325593	2,942691	2,879961	15,059342
21,78	2,045788	38,616307	701,802603	0,337879	2,9379	2,748154	15,062733
21,8	2,160964	33,87838	683,303688	0,348323	2,960057	0,032407	14,713462
21,82	1,88994	34,735386	622,02603	0,349552	2,97443	2,362977	14,70668
21,84	1,875208	30,039751	731,285249	0,35508	2,978621	2,944612	14,710071
21,86	1,970484	26,930614	787,360087	0,348937	2,986406	2,61453	14,710071
21,88	1,951015	26,391478	757,87744	0,34648	2,987005	2,578523	14,70668
21,9	2,016976	30,325488	790,828633	0,33235	2,987604	2,460035	14,70668
21,92	2,112104	30,64234	787,360087	0,335422	2,981616	2,977592	14,713462
21,94	1,953234	31,340106	726,08243	0,322521	2,980418	2,519966	14,716853
21,96	1,897045	32,640867	663,070499	0,316378	2,975028	2,570435	14,716853
21,98	1,838339	36,638126	692,553145	0,302863	2,982813	2,570076	14,720244
22	1,850554	36,130511	719,145336	0,307163	2,982813	2,693191	14,720244
22,02	1,904225	38,541476	746,315618	0,303477	2,992994	2,529008	14,723635
22,04	1,940795	36,16183	707,005423	0,302863	2,994191	2,462119	14,727026
22,06	1,894229	40,254063	679,835141	0,299177	3,006168	2,898823	14,733808
22,08	1,845295	38,445484	657,289588	0,292419	3,01036	2,666182	14,737199
22,1	1,764452	39,650457	661,914317	0,277675	3,009162	2,549672	14,747372
22,12	1,791101	35,84274	702,958785	0,273375	3,002575	2,624211	14,760936
22,14	1,839514	34,413855	715,67679	0,261703	2,997784	2,538009	14,777891
22,16	1,785693	36,126849	675,788503	0,248802	3,003773	2,643459	14,781282
22,18	1,680346	34,952178	661,914317	0,256174	3,012755	2,523265	14,794846
22,2	1,658284	34,317456	696,599783	0,253102	3,011558	2,78043	14,798237
22,22	1,721429	31,556287	847,481562	0,236516	3,00497	2,634941	14,815192
22,24	1,816035	28,381867	946,335141	0,219929	3,005569	2,517977	14,84571
22,26	1,835131	29,554504	941,710412	0,197813	3,003773	2,633807	14,866056
22,28	1,893464	32,884908	932,460954	0,187369	3,000778	2,948408	14,87962
22,3	1,885986	39,45176	944,022777	0,160339	3,006168	2,511041	14,886402
22,32	1,99096	42,941405	942,288503	0,155424	2,997784	2,312689	14,889793
22,34	2,218085	43,448815	915,696312	0,139452	2,990598	2,853381	14,893184
22,36	2,316103	46,68567	830,138829	0,133923	3,002575	2,647219	14,87962
22,38	2,406419	55,124553	756,721258	0,124708	3,001976	2,591915	14,883011
22,4	2,777755	71,304756	856,152928	0,125323	3,02054	2,44747	14,883011
22,42	3,097787	66,387243	833,029284	0,118565	3,02054	2,855978	14,883011
22,44	3,097563	73,461506	684,45987	0,111807	3,026529	2,535488	14,893184
22,46	2,901825	84,501301	541,671367	0,103207	3,033715	2,476923	14,906748
22,48	2,85511	85,579167	503,517354	0,102592	3,040302	2,884518	14,920312
22,5	2,754499	92,145205	486,17462	0,095835	3,041499	2,598837	14,940658
22,52	2,808096	85,355458	480,393709	0,09092	3,034912	2,525095	14,94744

22,54	2,824824	84,021954	456,113883	0,096449	3,023534	2,775424	14,964395
22,56	2,758416	91,000428	473,456616	0,088463	3,033715	2,634416	14,984741
22,58	2,606353	87,794486	493,111714	0,095221	3,037906	2,570374	15,011868
22,6	2,510629	79,163824	485,596529	0,091535	3,045093	2,57399	15,032214
22,62	2,431632	79,066408	478,081345	0,089077	3,045691	2,730233	15,069515
22,64	2,470123	76,050821	550,342733	0,094606	3,050482	2,52838	15,096643
22,66	2,664817	71,353355	633,009761	0,082934	3,058267	2,433469	15,130553
22,68	2,735142	69,924266	627,806941	0,077405	3,060063	2,953304	15,15429
22,7	2,6979	69,573653	587,918655	0,074333	3,073837	2,756131	15,181417
22,72	2,684939	67,319081	542,249458	0,070033	3,072639	2,584533	15,215327
22,74	2,608609	68,64994	511,032538	0,05959	3,069046	2,596066	15,242455
22,76	2,551674	68,647906	491,37744	0,060818	3,072639	2,634416	15,276365
22,78	2,431221	73,119221	498,892625	0,04116	3,088808	2,295226	15,310275
22,8	2,477173	60,098599	705,27115	0,070647	3,081023	0,025485	14,998305
22,82	2,501603	62,604945	655,555315	0,055904	3,081622	2,774321	14,998305
22,84	2,420984	63,620173	607,573753	0,046074	3,08222	2,670007	14,998305
22,86	2,340439	62,6686	576,934924	0,050989	3,089407	2,40931	14,994914
22,88	2,372198	67,364031	586,762473	0,033174	3,091203	2,797491	14,994914
22,9	2,4503	74,05799	653,24295	0,025802	3,094197	2,557358	14,998305
22,92	2,552831	71,234183	678,678959	0,025802	3,105575	2,61177	15,001695
22,94	2,904399	73,200577	726,660521	0,027645	3,100784	2,488311	15,011868
22,96	3,212067	78,339764	791,406725	0,029488	3,107372	2,83077	15,01865
22,98	3,496965	75,483417	717,411063	0,026416	3,110965	2,544081	15,035605
23	3,147803	60,602958	616,245119	0,019658	3,106773	2,195346	15,05256
23,02	3,447788	64,498135	457,848156	0,014744	3,142703	0,014051	14,642252
23,04	2,915122	61,960471	315,637744	0,002457	3,149889	2,482604	14,63547
23,06	2,597458	64,149354	295,404555	0,004915	3,146895	2,808961	14,638861
23,08	2,392246	67,163313	379,227766	0,002457	3,143302	2,647609	14,638861
23,1	2,430961	64,370418	521,438178	0	3,143901	2,524804	14,655816
23,12	2,479299	62,62407	628,963124	-0,006143	3,141505	2,675934	14,679552
23,14	2,400825	58,847875	618,557484	-0,006143	3,137314	2,574115	14,693116
23,16	2,26135	60,084574	608,151844	-0,005529	3,129529	2,471084	14,703289
23,18	2,182951	56,435487	638,212581	0,000614	3,137314	2,549672	14,713462
23,2	2,146007	53,960054	724,926247	0,001843	3,132523	2,69905	14,727026
23,22	2,170139	47,550611	801,812364	0,010444	3,121145	2,697407	14,74059
23,24	2,318639	47,644364	822,045553	0,006143	3,121744	2,531966	14,764327
23,26	2,372087	49,769185	796,609544	0,012901	3,128331	2,835172	14,777891
23,28	2,410802	56,46233	753,252711	0,026416	3,119348	2,598837	14,794846
23,3	2,43471	60,141109	730,707158	0,023344	3,11875	2,46893	14,818583
23,32	2,40724	67,499887	707,583514	0,029488	3,119348	2,712821	14,849101
23,34	2,355489	71,781661	717,989154	0,03686	3,119348	2,628652	14,866056
23,36	2,345344	76,507801	724,926247	0,038703	3,124738	2,521237	14,883011
23,38	2,318098	78,283434	747,4718	0,046689	3,132523	2,538875	14,899966
23,4	2,26383	75,363228	745,737527	0,042388	3,143901	2,78614	14,923703
23,42	2,177579	69,840889	765,970716	0,043003	3,1445	2,589511	14,957613
23,44	2,145298	63,399109	768,861171	0,043617	3,151087	2,367285	14,98135
23,46	2,083701	56,7987	771,751627	0,044231	3,151686	2,824116	15,005086
23,48	2,043942	54,004991	764,814534	0,04546	3,162465	2,5537	15,035605
23,5	1,979827	53,210216	790,828633	0,043617	3,16486	2,531966	15,062733
23,52	1,947471	52,03473	815,686551	0,046074	3,172046	2,504142	15,089861
23,54	1,929773	49,368128	819,733189	0,051603	3,178633	2,772949	15,116989
23,56	1,865733	47,145892	817,420824	0,056518	3,18582	2,735811	15,140726
23,58	1,796658	44,954974	828,982646	0,058361	3,201389	2,43905	15,171244
23,6	1,776741	41,781368	860,199566	0,057747	3,204383	2,78043	15,188199
23,62	1,781179	37,909589	877,542299	0,049146	3,212168	2,64126	15,208545
23,64	1,797833	35,751008	893,150759	0,05959	3,21157	2,528454	15,228891
23,66	1,834179	34,290803	890,260304	0,05959	3,216959	2,682032	15,242455
23,68	1,80449	33,909075	878,12039	0,067576	3,215163	2,654772	15,25941
23,7	1,791902	34,764657	872,91757	0,066962	3,222349	2,56193	15,276365
23,72	1,791678	37,080036	882,167028	0,071262	3,230134	2,549672	15,286538
23,74	1,832986	37,491863	887,369848	0,075562	3,237918	2,692217	15,296711
23,76	1,847569	37,87237	892,572668	0,074333	3,239715	2,568008	15,300102
23,78	1,686331	31,08303	808,749458	0,083548	3,233727	1,415767	15,303493
23,8	1,843225	37,907161	784,469631	0,12778	3,218157	0,029376	14,720244
23,82	1,840856	38,732238	793,140998	0,129623	3,224145	2,506537	14,716853
23,84	1,794738	36,766047	812,218004	0,149896	3,22175	2,479761	14,703289
23,86	1,784966	35,306656	829,560738	0,143138	3,22175	2,84969	14,703289
23,88	1,770159	35,179345	828,404555	0,139452	3,218157	2,568397	14,710071
23,9	1,767492	35,654623	863,090022	0,13208	3,234924	2,416877	14,720244
23,92	1,825975	35,495587	937,085683	0,138838	3,236122	2,737785	14,723635
23,94	2,202121	34,099444	1056,75054	0,140681	3,238517	2,70954	14,730417

23,96	3,201382	32,608531	928,992408	0,151124	3,236721	2,503557	14,727026
23,98	4,828981	34,543607	602,370933	0,170168	3,236721	2,458788	14,730417
24	5,898636	38,921169	601,214751	0,172011	3,235523	2,939961	14,74059
24,02	7,004437	48,470051	612,776573	0,186141	3,245104	2,574881	14,750763
24,04	8,083731	54,624263	654,977223	0,179383	3,248099	2,474093	14,760936
24,06	9,069497	56,65533	709,317787	0,185526	3,258878	2,500051	14,750763
24,08	10,347223	59,923504	790,250542	0,226072	3,268459	2,782559	14,743981
24,1	11,342479	65,411065	833,029284	0,254945	3,284628	2,531966	14,760936
24,12	11,414807	68,740859	705,27115	0,25556	3,293012	2,514624	14,784673
24,14	10,521319	75,213347	531,265727	0,236516	3,297203	2,846947	14,777891
24,16	8,601356	84,19157	309,856833	0,220543	3,286424	2,502178	14,781282
24,18	7,215366	91,519029	222,565076	0,2101	3,278041	2,599155	14,801628
24,2	5,482388	79,620601	163,021692	0,209485	3,26786	2,712821	14,821974
24,22	4,660478	80,381412	145,678959	0,211328	3,276843	2,602093	14,832146
24,24	3,845199	79,681204	137,585683	0,224843	3,287622	2,597654	14,869447
24,26	3,321562	90,116987	142,788503	0,232215	3,300796	2,58113	14,903357
24,28	2,832526	98,394799	179,786334	0,236516	3,312174	2,682032	14,957613
24,3	2,667876	108,058011	274,015184	0,230372	3,308581	2,642052	14,991523
24,32	2,510256	99,27702	606,995662	0,234673	3,316965	2,496305	15,049169
24,34	2,45043	96,164627	685,037961	0,231601	3,31936	2,545821	15,103425
24,36	2,412293	88,35599	721,457701	0,227915	3,312174	2,898823	15,171244
24,38	2,381336	76,676387	775,798265	0,221157	3,321157	2,531966	15,245846
24,4	2,450691	57,636784	813,952278	0,213785	3,33493	2,465639	15,313666
24,42	2,62791	51,63754	811,639913	0,216857	3,335529	2,789119	15,36453
24,44	2,829262	58,169207	799,5	0,216243	3,352895	2,534984	15,428959
24,46	2,850055	57,531434	788,516269	0,222386	3,369064	2,59553	15,483215
24,48	2,936809	56,005336	745,159436	0,207642	3,367866	2,685419	15,53747
24,5	2,823238	59,01604	680,991323	0,203342	3,368465	2,689299	15,591726
24,52	2,685311	57,172886	697,755965	0,204571	3,363674	2,514322	15,642591
24,54	2,601428	53,30009	698,334056	0,211942	3,371459	2,621047	15,679891
24,56	2,463725	50,537496	707,583514	0,201499	3,373256	2,638156	15,720583
24,58	2,360224	45,998253	710,47397	0,194741	3,365471	2,712821	15,761275
24,6	2,215342	46,725914	733,597614	0,192284	3,36607	2,395495	15,795185
24,62	2,20253	44,5352	760,189805	0,195356	3,362477	2,83502	15,822313
24,64	2,336149	45,167683	837,075922	0,186755	3,361279	2,619275	15,856222
24,66	3,212438	53,541283	1119,18438	0,176926	3,355291	2,33246	15,890132
24,68	5,34715	60,328181	1257,92625	0,140066	3,358285	2,608482	15,930824
24,7	8,00205	64,197315	461,894794	0,116722	3,354692	2,723432	15,954561
24,72	9,48112	73,015892	465,363341	0,11365	3,356488	2,493378	15,974907
24,74	8,955744	68,383708	357,838395	0,108736	3,357686	2,591915	15,978298
24,76	7,468997	56,296145	264,187636	0,101978	3,351698	2,824116	15,978298
24,78	5,955446	50,997108	216,206074	0,106278	3,355291	2,51375	15,991862
24,8	5,331916	93,024578	438,193059	0,139452	3,342116	0,025883	15,089861
24,82	4,715049	87,282192	330,090022	0,149281	3,347506	2,458727	15,089861
24,84	3,992306	88,710264	256,09436	0,144367	3,352297	2,764791	15,083079
24,86	3,416552	99,941636	238,173536	0,145595	3,355291	2,583265	15,076297
24,88	2,95406	121,308346	272,280911	0,140681	3,352297	2,514322	15,08647
24,9	2,687624	106,892396	451,489154	0,142524	3,354692	2,514504	15,093252
24,92	2,565251	90,422241	593,699566	0,143138	3,358884	2,754989	15,103425
24,94	2,493956	80,268736	703,536876	0,141295	3,370262	2,613061	15,123771
24,96	2,549623	70,876449	782,157267	0,143138	3,375052	2,26436	15,147508
24,98	2,610101	64,878629	859,621475	0,156039	3,378047	2,887616	15,174635
25	1,975202	61,28263	704,114967	0,170783	3,415175	0,013286	14,828756
25,02	2,66657	65,470447	707,583514	0,163411	3,41218	2,592612	14,828756
25,04	2,471205	63,281565	628,385033	0,159725	3,419366	2,351941	14,825365
25,06	2,390586	66,200346	626,650759	0,15481	3,419965	2,870891	14,825365
25,08	2,204769	64,074305	684,45987	0,144981	3,425954	2,534984	14,832146
25,1	2,133699	66,231055	722,613883	0,138223	3,425954	2,490458	14,842319
25,12	2,104234	66,484455	796,031453	0,142524	3,429547	2,750738	14,849101
25,14	2,204173	68,323946	930,14859	0,12778	3,434337	2,516984	14,859274
25,16	2,40931	63,152423	1004,72234	0,126551	3,436134	2,486123	14,862665
25,18	2,592162	57,186939	973,505423	0,119179	3,444518	2,774321	14,87962
25,2	2,655381	56,773688	914,54013	0,114879	3,461285	2,462647	14,893184
25,22	2,625617	58,168407	864,246204	0,113036	3,46907	2,582427	14,91353
25,24	2,573867	57,374039	846,903471	0,105664	3,48464	2,570435	14,933876
25,26	2,485397	54,136574	823,201735	0,106893	3,494221	2,74787	14,957613
25,28	2,384861	50,709161	809,327549	0,101978	3,509791	2,567628	14,974568
25,3	2,330667	51,850072	829,560738	0,109964	3,506797	2,482604	14,994914
25,32	2,374194	51,436415	887,369848	0,109964	3,507396	2,751425	15,015259
25,34	2,412909	53,719661	973,505423	0,102592	3,512186	2,502946	15,032214
25,36	2,329399	52,544583	955,584599	0,103207	3,527157	2,564389	15,05256

25,38	2,158166	54,161993	924,367679	0,098906	3,526558	2,729065	15,062733
25,4	2,079691	54,668793	865,402386	0,096449	3,527756	2,60196	15,076297
25,42	2,006178	60,283665	836,497831	0,098292	3,534942	2,57581	15,08647
25,44	1,859374	68,753867	894,885033	0,096449	3,535541	2,392751	15,096643
25,46	1,837089	66,468789	930,726681	0,092149	3,544524	2,850878	15,110207
25,48	1,827018	62,597417	954,428416	0,098292	3,552309	2,265822	15,123771
25,5	1,824128	62,501018	981,598698	0,092149	3,552309	2,604308	15,144117
25,52	1,818943	61,199443	994,316703	0,089692	3,558297	2,826381	15,157681
25,54	1,823307	57,105379	1018,59653	0,080477	3,561291	2,699747	15,181417
25,56	1,823009	48,982738	1026,11171	0,082934	3,567878	2,462119	15,194981
25,58	1,812864	44,825629	1043,45445	0,079862	3,568477	2,774321	15,211936
25,6	1,827149	43,460399	1056,17245	0,078634	3,573867	2,61177	15,228891
25,62	1,873118	43,871615	1074,67137	0,081705	3,573867	2,502178	15,249237
25,64	1,909464	43,109379	1059,06291	0,081091	3,576262	2,451973	15,262801
25,66	1,896951	44,663134	1042,29827	0,076176	3,582849	2,74787	15,276365
25,68	1,884587	45,582778	1050,96963	0,076791	3,582849	2,623044	15,283147
25,7	1,918565	44,122777	1052,12581	0,066347	3,590634	2,616268	15,29332
25,72	1,972087	43,392471	1046,3449	0,087234	3,582849	2,596066	15,303493
25,74	2,0111	43,646075	1001,2538	0,074948	3,584646	2,673843	15,306884
25,76	2,037899	45,263891	949,803688	0,076791	3,591832	2,48464	15,310275
25,78	1,104787	-8,312575	744,003254	0,105664	3,59782	0,018952	14,638861
25,8	2,252697	44,446763	774,642082	0,108121	3,594826	2,627512	14,652425
25,82	2,294228	47,01656	882,745119	0,106893	3,602611	2,587009	14,652425
25,84	2,382176	45,969606	948,647505	0,108736	3,610396	2,470211	14,652425
25,86	2,62159	45,779251	1054,43818	0,106893	3,610995	2,473083	14,652425
25,88	3,066141	44,827271	1120,91866	0,10505	3,618181	2,884518	14,655816
25,9	3,960593	46,159351	978,130152	0,098906	3,625966	2,56193	14,662597
25,92	4,965338	51,901533	769,439262	0,085391	3,630756	2,429842	14,665988
25,94	6,586875	61,038182	926,680043	0,088463	3,633751	2,740292	14,676161
25,96	8,283261	67,129553	1022,06508	0,104435	3,633751	2,574115	14,67277
25,98	9,991695	74,236152	1068,89046	0,102592	3,630756	2,524804	14,67277
26	11,501964	76,424424	998,941432	0,109964	3,630756	2,40931	14,686334
26,02	11,548177	75,060414	849,215835	0,111193	3,630157	2,815514	14,682943
26,04	9,629652	60,52894	469,988069	0,124708	3,630157	2,531966	14,699898
26,06	7,971522	53,802238	319,106291	0,119794	3,654111	2,528454	14,713462
26,08	6,725665	47,74239	282,686551	0,143752	3,673873	2,747247	14,713462
26,1	6,243737	55,959395	263,031453	0,144367	3,679262	2,553243	14,716853
26,12	6,547202	90,413303	405,241866	0,14621	3,685849	2,596888	14,723635
26,14	8,194947	106,255251	625,494577	0,159725	3,689442	2,470211	14,743981
26,16	9,485991	121,35881	773,4859	0,168325	3,703216	2,650853	14,767718
26,18	11,118323	127,656148	953,850325	0,165868	3,713396	2,531966	14,794846
26,2	12,285471	135,895637	1022,64317	0,140681	3,705012	2,371024	14,835537
26,22	12,75112	123,891502	1039,40781	0,144981	3,703216	3,023845	14,862665
26,24	13,743276	112,951643	1165,43167	0,141295	3,712198	2,568008	14,910139
26,26	14,684436	106,681167	1263,70716	0,149281	3,719983	2,429842	14,957613
26,28	14,855731	107,336216	1218,03796	0,145595	3,719384	2,692217	15,008477
26,3	14,40447	125,506843	1093,74837	0,151124	3,719384	2,502178	15,100034
26,32	14,244612	137,28449	1102,99783	0,157267	3,723576	2,496922	15,19159
26,34	14,430328	150,881783	1181,04013	0,157267	3,724774	2,71704	15,249237
26,36	14,892355	143,700466	1288,56508	0,141909	3,732559	2,550182	15,330621
26,38	15,553582	136,926749	1396,66811	0,144981	3,739745	2,472349	15,408613
26,4	16,319154	130,685576	1510,55206	0,134537	3,738547	2,61109	15,489997
26,42	17,014379	111,125898	1604,20282	0,138838	3,739146	2,615517	15,567989
26,44	17,893562	109,584022	1714,61822	0,144367	3,74753	2,401513	15,67311
26,46	18,988869	116,722811	1857,40673	0,144981	3,739745	2,523265	15,77823
26,48	19,873133	118,597402	1967,24404	0,147438	3,743338	2,588379	15,873177
26,5	20,392919	121,474204	2033,72451	0,151124	3,745134	2,56689	15,978298
26,52	20,081458	119,961631	1973,02495	0,153582	3,737948	2,420477	16,117328
26,54	19,377572	124,374612	1896,71692	0,168325	3,745733	2,893676	16,212275
26,56	18,010072	126,780121	1711,72777	0,166482	3,751722	2,528955	16,337742
26,58	16,547865	113,203179	1567,20499	0,162182	3,761303	2,44185	16,463208
26,6	16,488167	106,116894	1603,04664	0,160339	3,758908	2,71704	16,527636
26,62	17,600622	132,999116	1937,1833	0,170783	3,736751	2,483795	16,625975
26,64	19,265401	144,114593	2231,43167	0,166482	3,738547	2,390014	16,785351
26,66	20,423399	150,312016	2364,97072	0,162796	3,735553	2,723241	16,910817
26,68	22,173991	163,278681	476,925163	0,162796	3,722379	2,481614	17,032893
26,7	24,724676	171,917224	604,683297	0,170783	3,716989	2,472038	17,212614
26,72	26,462679	154,327983	558,436009	0,174469	3,720582	2,695929	17,385554
26,74	27,268265	129,844555	466,519523	0,174469	3,717588	2,499366	17,494066
26,76	28,246265	116,736871	420,272234	0,171397	3,72657	2,410674	17,633096
26,78	29,194606	106,6645	715,098698	0,336036	3,615187	0,016887	16,802306

26,8	29,687787	100,631833	494,845987	0,331122	3,633152	2,387535	16,792133
26,82	29,561736	103,043611	459,004338	0,321907	3,636745	2,647055	16,778569
26,84	29,362909	102,980973	495,424078	0,333579	3,64453	2,522792	16,768396
26,86	29,006238	101,078233	513,922993	0,333579	3,658303	2,466201	16,754832
26,88	28,165726	100,664983	492,533623	0,329893	3,672675	2,462834	16,768396
26,9	27,346845	102,091224	455,535792	0,331122	3,679262	2,68301	16,792133
26,92	26,420594	99,201319	428,943601	0,338494	3,688245	2,522792	16,839607
26,94	25,374906	101,005626	413,335141	0,339108	3,69064	2,529008	16,907426
26,96	24,443127	97,955261	398,304772	0,344023	3,699623	2,503557	16,985419
26,98	23,36277	97,727279	368,822126	0,347094	3,717588	2,54477	17,083757
27	22,102118	96,767975	339,91757	0,342794	3,72657	2,541041	17,209223
27,02	20,832125	90,511464	298,873102	0,348937	3,73735	2,493067	17,317735
27,04	18,911256	80,003481	248,579176	0,35078	3,749925	2,634139	17,453374
27,06	17,302527	74,409959	211,581345	0,360609	3,764896	2,568008	17,592404
27,08	16,817246	88,086272	574,62256	0,390011	3,754117	0,013046	17,02272
27,1	17,369156	72,28861	552,655098	0,399158	3,762501	2,671192	16,992201
27,12	18,625067	83,013181	650,930586	0,404036	3,769088	2,506537	16,971855
27,14	20,659588	111,165798	804,70282	0,399158	3,778669	2,398246	16,992201
27,16	21,404573	130,437329	839,388286	0,389401	3,78885	2,599357	17,015938
27,18	22,065163	158,547843	849,215835	0,414403	3,796635	2,489716	17,012547
27,2	22,951366	173,652419	947,491323	0,413183	3,806815	2,412092	17,019329
27,22	24,18916	183,866821	1104,7321	0,419281	3,798431	2,503557	17,049847
27,24	25,482806	189,819236	1264,28525	0,440014	3,800228	2,680905	17,080366
27,26	26,525883	183,767923	1385,68438	0,438185	3,797832	2,578523	17,131231
27,28	26,538589	170,757509	1375,27874	0,453429	3,802623	2,381989	17,216005
27,3	26,449153	145,4308	1406,49566	0,454039	3,800826	2,599357	17,307562
27,32	26,587313	117,56387	1494,9436	0,456478	3,80921	2,424223	17,429637
27,34	27,182452	101,126819	1612,2961	0,461967	3,79903	2,44747	17,531367
27,36	27,593483	97,505184	1601,31236	0,45282	3,796635	2,826381	17,61275

Prova CPTU n°2 – Piezocono sismico – matricola 280916

Certificato di prova

Committente : VENETO STRADE

Località SCORZE' (VE)
via Cimitero

Data :
06/04/2017

Livello falda 1.50 m

Profondità (mt)	Qc (Mpa)	Fs (Kpa)	U (Kpa)	X	Y	Velocità (cm/sec)	Temp.
0,02	0,847459	7,373021	28,326464	0,092689	-0,030431	2,640678	19,033571
0,04	0,989153	10,069721	34,685466	0,104275	0,015514	2,736275	19,033571
0,06	1,155277	13,178858	39,310195	0,14696	0,095746	2,673974	19,033571
0,08	1,284905	16,38358	40,466377	0,139643	0,083769	2,712821	19,026789
0,1	1,40698	23,426523	42,200651	0,184767	0,156228	2,503557	19,03018
0,12	1,377813	31,961194	38,732104	0,23477	0,128682	2,914027	19,023398
0,14	1,314445	40,273784	36,41974	0,194524	0,119699	2,772226	19,016616
0,16	1,216874	47,38079	32,951193	0,214037	0,09335	2,685961	19,009834
0,18	1,177861	54,868303	31,795011	0,210988	0,113711	2,697407	19,006443
0,2	1,141514	60,801858	32,373102	0,204281	0,126286	2,653779	18,992879
0,22	1,141663	63,752773	32,373102	0,201842	0,107722	2,879961	18,986097
0,24	1,139593	63,277901	30,638829	0,199402	0,116106	2,693191	18,969142
0,26	1,062163	61,027398	29,482646	0,193914	0,129879	2,661271	18,935232
0,28	0,982216	57,380752	27,170282	0,192085	0,12449	2,608482	18,904713
0,3	0,934027	51,989182	26,0141	0,201232	0,128682	2,871906	18,864022
0,32	0,871628	45,23462	24,279826	0,198183	0,125687	2,693257	18,82333
0,34	0,787168	39,558534	20,81128	0,20733	0,138862	2,720594	18,775856
0,36	0,75401	36,388794	17,342733	0,221965	0,14006	2,667099	18,728383
0,38	0,909187	29,920171	12,139913	0,247576	0,178984	2,649732	18,670736
0,4	1,11811	31,065762	20,81128	0,255503	0,208327	2,578523	18,613089
0,42	1,387884	36,081301	35,841649	0,242088	0,213717	2,939961	18,565615
0,44	1,655887	43,192579	52,0282	0,234161	0,216711	2,745505	18,487623
0,46	1,73052	44,782536	51,450108	0,239039	0,225095	2,743561	18,426585
0,48	1,680485	47,006807	47,403471	0,250015	0,23767	2,514504	18,368939
0,5	1,637928	53,768287	45,091106	0,254894	0,243659	2,940037	18,294337
0,52	1,575753	58,752914	45,091106	0,252454	0,246054	2,645886	18,243472
0,54	1,491741	64,372465	45,669197	0,259772	0,25863	2,65099	18,175653
0,56	1,468952	68,78684	45,091106	0,260382	0,261624	2,674612	18,101051
0,58	1,419066	68,822431	43,356833	0,262821	0,260426	2,731952	18,036623
0,6	1,366514	70,126448	43,356833	0,267089	0,262223	2,808961	17,982367
0,62	1,314559	69,274732	42,200651	0,271968	0,26881	2,799915	17,900983
0,64	1,29177	64,774132	42,200651	0,26648	0,274798	2,568397	17,826382
0,66	1,285858	60,272922	42,200651	0,277456	0,270007	2,731582	17,761953
0,68	1,245745	54,058513	41,044469	0,275627	0,277792	2,763878	17,683961
0,7	1,215403	52,380907	39,888286	0,272578	0,281984	2,776279	17,633096
0,72	1,148342	51,781777	37,575922	0,275017	0,295159	2,582175	17,572058
0,74	1,260148	50,038156	16,764642	0,150619	0,470019	0,02189	14,377755
0,76	1,262815	47,373792	15,030369	0,14818	0,485589	2,898276	14,367582
0,78	1,135928	48,865316	14,452278	0,145741	0,487985	2,670787	14,3608
0,8	1,092029	50,134555	13,874187	0,14757	0,487386	2,654772	14,357409
0,82	1,070116	51,054809	15,60846	0,149399	0,487985	2,660651	14,354018
0,84	1,126305	50,610646	19,077007	0,154887	0,507147	2,876345	14,354018
0,86	1,216696	45,597956	23,123644	0,14879	0,520322	2,680371	14,354018
0,88	1,275328	42,647449	25,436009	0,157936	0,52152	2,65099	14,354018
0,9	1,350986	37,412473	26,0141	0,154278	0,526909	2,781597	14,357409
0,92	1,321596	39,03029	24,857918	0,156107	0,529304	2,844906	14,3608
0,94	1,236091	46,168615	23,701735	0,152448	0,534095	2,693191	14,3608
0,96	1,182196	57,684706	22,545553	0,153668	0,534095	2,666182	14,367582
0,98	1,172274	71,897497	22,545553	0,143301	0,538886	2,669066	14,374364
1	1,160059	85,76171	24,857918	0,14635	0,562839	2,58831	14,374364
1,02	1,19663	95,279273	28,326464	0,142692	0,555054	2,990511	14,377755
1,04	1,289538	100,435992	32,951193	0,138423	0,562839	2,760137	14,374364
1,06	1,411987	98,149122	37,575922	0,143301	0,567031	2,705243	14,3608
1,08	1,619865	87,666687	41,62256	0,156717	0,572421	2,543661	14,350627
1,1	1,720103	82,81283	45,669197	0,153058	0,575415	2,921499	14,347236
1,12	1,837516	75,199024	47,403471	0,154887	0,565834	2,745505	14,340454
1,14	1,854393	68,218718	46,82538	0,154887	0,574816	2,619275	14,350627
1,16	1,678199	64,728056	44,513015	0,151839	0,57302	2,613757	14,364191
1,18	1,523842	66,154501	42,200651	0,151839	0,575415	2,962519	14,384537
1,2	1,530873	62,34658	43,356833	0,153668	0,585595	2,709595	14,398101
1,22	1,652724	60,15668	46,247289	0,158546	0,595775	2,7934	14,411665
1,24	1,686777	60,219725	49,715835	0,145741	0,586194	2,608482	14,418447

1,26	1,708913	51,083076	50,293926	0,154278	0,582601	2,807822	14,411665
1,28	1,684782	48,196834	47,981562	0,155497	0,57781	2,786984	14,398101
1,3	1,543088	49,434144	43,356833	0,150619	0,57302	2,62112	14,398101
1,32	1,508811	55,620488	40,466377	0,151839	0,577211	2,653779	14,401492
1,34	1,528281	59,649473	39,310195	0,156107	0,577211	2,91692	14,404883
1,36	1,63111	62,568865	40,466377	0,160376	0,590386	2,712821	14,39471
1,38	1,71462	58,921608	41,62256	0,154887	0,592781	2,633807	14,374364
1,4	1,795761	52,76821	42,200651	0,149399	0,59877	2,60557	14,350627
1,42	1,893854	42,458314	42,778742	0,155497	0,597572	2,858671	14,32689
1,44	2,009197	32,656439	43,356833	0,154278	0,616136	2,728732	14,309936
1,46	2,276155	21,93492	46,82538	0,150009	0,631706	2,690401	14,279417
1,48	2,601446	16,605988	50,293926	0,159156	0,632305	2,75444	14,262462
1,5	3,03919	16,924467	54,918655	0,152448	0,635898	2,524952	14,242116
1,52	3,542311	15,91046	59,543384	0,141472	0,633502	2,857082	14,214988
1,54	3,769413	17,847366	60,699566	0,135984	0,632903	2,756131	14,194642
1,56	3,767824	22,481584	58,387202	0,140252	0,638892	2,786984	14,157341
1,58	3,486792	28,797477	55,496746	0,143301	0,65506	2,687228	14,11665
1,6	3,309225	33,241136	52,606291	0,14635	0,668235	2,591915	14,08274
1,62	2,989771	44,506065	49,715835	0,142692	0,683805	2,67085	14,045439
1,64	2,773165	53,264648	46,247289	0,14818	0,679613	3,009468	14,008138
1,66	2,708398	68,115619	46,247289	0,14696	0,707758	2,831607	13,953883
1,68	2,399182	82,902731	42,200651	0,165254	0,710154	2,353659	13,906409
1,7	2,141119	89,757965	38,154013	0,170742	0,720933	2,780267	13,865717
1,72	2,405858	88,301015	41,044469	0,168913	0,740095	2,712821	13,825025
1,74	3,152373	63,854015	40,466377	0,097567	0,844293	0,030218	12,539844
1,76	3,386766	62,173153	41,044469	0,104884	0,844293	2,807822	12,529671
1,78	3,786766	61,253102	45,091106	0,097567	0,853875	2,685419	12,529671
1,8	4,415681	60,047518	52,0282	0,11708	0,877229	2,574881	12,529671
1,82	5,904763	55,796046	67,058568	0,112812	0,889206	2,659873	12,529671
1,84	6,384356	55,320361	69,370933	0,120739	0,892799	2,926093	12,529671
1,86	6,634884	56,176757	68,214751	0,128057	0,912561	2,744183	12,533062
1,88	7,078183	56,779345	69,949024	0,14757	0,916154	2,716054	12,536453
1,9	7,519072	58,175081	72,839479	0,152448	0,92873	2,56689	12,539844
1,92	7,706949	50,877923	73,41757	0,167693	0,931724	2,917012	12,546626
1,94	7,935641	38,504216	74,573753	0,163425	0,937113	2,661271	12,553408
1,96	8,135492	37,488581	75,151844	0,175011	0,944299	2,681549	12,56019
1,98	8,255675	38,439544	75,729935	0,172571	0,946695	2,63597	12,573754
2	8,404998	40,089086	76,886117	0,181718	0,950887	2,631731	12,577145
2,02	8,438509	43,007258	76,886117	0,180499	0,952084	2,898823	12,587318
2,04	8,240621	43,196799	76,308026	0,195744	0,955677	2,666182	12,600882
2,06	7,909978	43,195375	74,573753	0,193914	0,955677	2,716702	12,624619
2,08	7,764505	45,857908	74,573753	0,198183	0,965259	2,602544	12,66531
2,1	8,000276	48,648769	77,464208	0,2055	0,972445	2,876345	12,685656
2,12	8,32739	49,852725	80,354664	0,201232	0,979032	2,720594	12,709393
2,14	8,476191	52,008458	80,354664	0,222575	0,995799	2,781211	12,736521
2,16	8,198486	50,515713	78,62039	0,228063	1,003584	2,553243	12,763649
2,18	8,361446	47,499312	80,354664	0,227453	1,007776	2,61207	12,80434
2,2	9,233064	48,671339	86,713666	0,233551	1,020352	3,046221	12,834859
2,22	9,731262	48,574534	82,088937	0,232941	1,028736	2,626824	12,861987
2,24	9,407923	44,322044	76,886117	0,243917	1,029334	2,514135	12,882333
2,26	8,599799	44,002344	70,527115	0,251235	1,038317	2,590509	12,923025
2,28	7,738812	42,382289	65,324295	0,249405	1,049096	2,989127	12,963717
2,3	7,026998	36,319999	61,277657	0,252454	1,054486	2,661337	13,001017
2,32	6,04538	30,448268	55,496746	0,248796	1,061073	2,879961	13,041709
2,34	5,48289	28,605318	52,606291	0,243308	1,052689	2,502946	13,089183
2,36	5,077101	28,31714	50,872017	0,237819	1,052689	2,637465	13,133266
2,38	4,811146	31,645917	50,293926	0,237819	1,064067	2,655908	13,173957
2,4	4,634347	34,816064	50,872017	0,232331	1,074247	2,800558	13,214649
2,42	4,554008	34,084131	50,872017	0,23477	1,07784	2,720594	13,25195
2,44	4,543474	32,463669	52,0282	0,228063	1,088021	2,759194	13,292642
2,46	4,506285	31,826303	53,762473	0,231721	1,095207	2,617745	13,340115
2,48	4,483703	30,776907	54,340564	0,229282	1,095805	2,674612	13,380807
2,5	4,538454	30,013655	56,074837	0,229282	1,102991	2,903268	13,411326
2,52	4,70827	29,788115	58,965293	0,240259	1,11916	2,752137	13,468973
2,54	4,921907	32,006689	62,433839	0,233551	1,132933	2,628524	13,506273
2,56	5,077937	33,369274	64,168113	0,227453	1,145509	2,624817	13,533401
2,58	5,007236	33,652569	64,168113	0,221355	1,139521	2,671477	13,570702
2,6	4,842933	33,7148	63,011931	0,228672	1,141317	2,857391	13,591048
2,62	4,603782	34,284239	61,277657	0,233551	1,144311	2,959441	13,618176
2,64	4,323593	35,043829	58,965293	0,226233	1,154492	2,580251	13,648694
2,66	4,079697	35,359664	56,652928	0,221355	1,164672	2,6485	13,672431

2,68	3,807035	35,48555	54,340564	0,221355	1,172457	2,606436	13,689386
2,7	3,46186	34,373516	50,293926	0,226233	1,185032	2,529008	13,716514
2,72	3,232646	33,357474	47,981562	0,229892	1,18084	3,170038	13,730078
2,74	2,932447	30,838948	36,41974	0,251235	1,214375	0,030925	12,875551
2,76	2,597906	28,586817	32,373102	0,262211	1,216771	2,56689	12,868769
2,78	2,224276	27,413366	27,748373	0,248186	1,235934	2,903268	12,858596
2,8	1,845761	27,445499	21,967462	0,254284	1,237131	2,739352	12,855205
2,82	1,408614	29,222556	15,60846	0,250015	1,249707	2,674612	12,848423
2,84	0,993304	32,014434	8,671367	0,252454	1,24791	2,559828	12,848423
2,86	0,734347	33,791084	2,890456	0,243308	1,2533	2,910306	12,848423
2,88	0,680526	36,233774	1,734273	0,238429	1,265875	2,736275	12,851814
2,9	0,995449	37,533925	10,40564	0,248796	1,274858	2,740223	12,861987
2,92	3,06407	37,246764	46,82538	0,23721	1,287434	2,581555	12,889115
2,94	3,595651	26,52321	46,247289	0,258552	1,291027	2,724267	12,892506
2,96	3,010101	19,003768	38,732104	0,256723	1,288032	2,797862	12,899288
2,98	2,43829	14,783818	31,795011	0,254894	1,288631	2,896278	12,90607
3	1,985888	14,021176	26,0141	0,259162	1,287434	2,725801	12,926416
3,02	2,403342	19,033052	31,21692	0,242088	1,280846	2,58113	12,93998
3,04	3,758387	27,154676	49,715835	0,223794	1,275457	2,60279	12,943371
3,06	5,970361	34,990767	67,636659	0,213428	1,283841	2,985809	12,953544
3,08	7,745966	34,387161	75,151844	0,212818	1,293422	2,634941	12,960326
3,1	8,743556	34,894776	78,042299	0,216477	1,301806	2,647219	12,960326
3,12	9,519311	33,974318	80,354664	0,217696	1,303602	2,570374	12,967107
3,14	10,128949	36,544115	82,667028	0,218916	1,311387	2,731952	12,967107
3,16	10,733331	38,416146	85,557484	0,217696	1,317376	2,863069	12,963717
3,18	11,709533	42,381882	83,245119	0,214037	1,32516	2,821862	12,963717
3,2	12,685511	45,426957	78,62039	0,220135	1,338335	2,610091	12,973889
3,22	14,181159	48,662387	76,886117	0,220745	1,336538	2,679051	12,984062
3,24	15,948858	49,455127	79,198482	0,230502	1,352707	2,660983	12,994235
3,26	16,704004	49,48665	80,354664	0,233551	1,364684	2,701009	12,994235
3,28	17,352228	51,453248	82,088937	0,245137	1,369474	2,747453	13,001017
3,3	17,485639	53,641927	82,667028	0,254284	1,374265	2,499805	13,007799
3,32	16,968248	56,084414	81,510846	0,260382	1,388637	2,984521	13,014581
3,34	16,244149	57,510858	79,776573	0,273797	1,388038	2,689299	13,034927
3,36	14,483063	64,3305	71,683297	0,273187	1,400015	2,693581	13,058664
3,38	13,035012	74,449024	64,746204	0,277456	1,393428	2,546111	13,092574
3,4	12,133045	80,378916	63,011931	0,274407	1,398219	2,608482	13,140047
3,42	11,58547	81,866778	63,590022	0,275017	1,410195	2,822465	13,194303
3,44	11,304791	81,069765	65,324295	0,282334	1,408998	2,720594	13,258732
3,46	11,099018	78,748892	69,370933	0,270748	1,41319	2,599524	13,340115
3,48	10,96617	74,524669	72,261388	0,283554	1,411393	2,697708	13,418108
3,5	10,852899	69,539432	74,573753	0,276846	1,416783	2,949279	13,489318
3,52	10,406494	63,442568	73,41757	0,274407	1,428161	2,82537	13,580875
3,54	9,700713	58,454279	70,527115	0,282944	1,426963	2,458788	13,70295
3,56	9,040569	53,244926	67,058568	0,284773	1,425765	2,70147	13,808071
3,58	8,645485	49,780497	65,902386	0,279285	1,43355	2,868243	13,913191
3,6	8,327286	47,806574	66,480477	0,276846	1,44373	2,791	14,028484
3,62	7,98032	46,911739	65,902386	0,275627	1,44912	2,46893	14,136996
3,64	7,732299	45,700051	65,902386	0,270138	1,450916	2,781597	14,238725
3,66	7,571025	42,426181	67,058568	0,268919	1,4593	2,85451	14,340454
3,68	7,564191	39,438454	69,949024	0,26587	1,470678	2,658564	14,432011
3,7	7,788608	37,497478	74,573753	0,261601	1,462893	2,712821	14,526958
3,72	8,362125	36,253658	82,667028	0,257333	1,470079	2,537903	14,63547
3,74	8,536768	29,893031	68,214751	0,335996	1,441335	0,024804	14,364191
3,76	8,631117	28,212576	67,058568	0,342094	1,441335	2,902578	14,347236
3,78	8,621553	27,546536	66,480477	0,32441	1,437143	2,5537	14,343845
3,8	8,689246	28,498923	67,058568	0,320751	1,440736	2,683581	14,333672
3,82	8,672603	29,483036	67,636659	0,334167	1,432951	2,6485	14,323499
3,84	8,706561	30,879585	68,792842	0,339655	1,432951	2,57399	14,313327
3,86	8,703779	31,005472	69,370933	0,335996	1,437742	2,902578	14,330281
3,88	8,460032	32,495571	68,214751	0,328069	1,441335	2,681549	14,347236
3,9	8,074266	32,27288	65,902386	0,319532	1,43894	2,639709	14,357409
3,92	7,271558	31,288563	58,965293	0,32502	1,440137	2,584533	14,370973
3,94	6,579544	31,477698	53,184382	0,3238	1,434748	2,939589	14,398101
3,96	6,212533	32,015003	50,872017	0,331728	1,439539	2,704935	14,425229
3,98	5,970898	32,362157	49,715835	0,336606	1,453911	2,719295	14,455748
4	6,271506	32,899869	53,762473	0,328069	1,456306	2,639709	14,482876
4,02	7,051558	34,57951	64,168113	0,326849	1,45451	2,690214	14,513394
4,04	8,660674	36,386462	81,510846	0,32441	1,456905	2,795445	14,547304
4,06	9,932292	36,321179	93,072668	0,332337	1,455707	2,63597	14,56765
4,08	11,302035	36,033815	100,587852	0,335386	1,464091	2,649732	14,598169

4,1	11,597624	35,397466	101,165944	0,342704	1,48026	2,642441	14,628688
4,12	11,167132	36,950203	98,275488	0,337825	1,473672	2,597776	14,659207
4,14	10,75857	39,454921	96,541215	0,331728	1,477864	2,971791	14,686334
4,16	10,473482	40,150245	95,963124	0,332337	1,485649	2,758801	14,730417
4,18	10,344107	39,894607	96,541215	0,330508	1,491039	2,585838	14,760936
4,2	10,205019	40,685923	97,119306	0,336606	1,500021	2,701687	14,791455
4,22	10,095297	42,048102	98,275488	0,328069	1,507207	2,902891	14,835537
4,24	10,046358	42,141245	99,43167	0,335996	1,513794	2,583265	14,859274
4,26	10,101033	40,52119	101,744035	0,341484	1,5108	2,705092	14,893184
4,28	10,245522	35,442403	104,63449	0,340874	1,520382	2,633126	14,937267
4,3	10,125824	33,314734	103,478308	0,331728	1,520981	2,615667	14,971177
4,32	9,744728	32,774376	100,009761	0,335996	1,518585	2,95396	14,988132
4,34	8,919214	31,723556	91,338395	0,342094	1,517986	2,703167	15,05256
4,36	8,301227	31,91086	86,135575	0,333557	1,513794	2,728412	15,103425
4,38	8,047469	32,004003	84,979393	0,320751	1,502417	2,630159	15,137335
4,4	7,839047	32,000747	84,979393	0,322581	1,50062	2,520176	15,19159
4,42	7,797262	32,284042	86,135575	0,32441	1,497027	2,916825	15,228891
4,44	7,808266	31,139062	89,02603	0,331118	1,508405	2,809294	15,276365
4,46	7,853378	29,741292	90,760304	0,337216	1,494033	2,685961	15,306884
4,48	7,965512	28,247123	94,22885	0,341484	1,494033	2,739159	15,357748
4,5	8,879981	33,034477	109,259219	0,342094	1,498225	2,795445	15,418786
4,52	9,592189	34,840004	113,883948	0,345753	1,495829	2,681549	15,459478
4,54	10,189204	33,472739	111,571584	0,340874	1,489841	2,57718	15,510342
4,56	10,377721	32,201262	109,259219	0,348802	1,489841	2,716626	15,551034
4,58	10,694941	33,118871	110,415401	0,356119	1,482655	2,784843	15,591726
4,6	11,240726	35,274604	114,462039	0,35307	1,479062	2,662368	15,618854
4,62	12,048625	36,985767	120,821041	0,359778	1,479661	2,701244	15,652764
4,64	13,058302	38,443734	124,867679	0,372584	1,470678	2,682167	15,676501
4,66	14,364016	38,346522	131,226681	0,372584	1,458701	2,549549	15,71041
4,68	14,969913	34,250627	132,960954	0,38234	1,458103	2,949279	15,764666
4,7	15,378739	34,151177	135,273319	0,394536	1,4593	2,628652	15,835877
4,72	4,660577	8,40827	22,545553	0,453686	1,424568	0,037764	15,527297
4,74	14,433386	34,803599	110,415401	0,454296	1,434149	2,500051	15,53747
4,76	13,627542	39,626951	100,009761	0,462833	1,431754	2,590509	15,520515
4,78	13,14695	42,324262	95,385033	0,461614	1,426963	2,889744	15,510342
4,8	12,523234	44,736447	90,182213	0,460394	1,413789	2,70954	15,493388
4,82	12,052057	47,750203	87,291757	0,451247	1,416184	2,610091	15,496779
4,84	11,753219	48,225684	86,135575	0,452467	1,424568	2,667099	15,503561
4,86	11,684926	48,891114	89,02603	0,445149	1,414986	2,895514	15,523906
4,88	11,81789	47,905984	93,072668	0,448808	1,415585	2,623044	15,544252
4,9	11,717804	43,27258	94,806941	0,439661	1,415585	2,724497	15,567989
4,92	10,837916	37,781763	85,557484	0,437832	1,421573	2,637465	15,60529
4,94	9,944862	36,003079	77,464208	0,448808	1,418579	2,528454	15,6392
4,96	9,373032	34,700283	72,839479	0,450027	1,415585	2,944612	15,67311
4,98	8,925831	33,776366	71,105206	0,448198	1,41798	2,725801	15,737538
5	8,789772	32,472553	72,261388	0,447588	1,416783	2,596888	15,788403
5,02	8,803186	31,96209	75,151844	0,437832	1,421573	2,653362	15,835877
5,04	9,04785	31,895587	80,932755	0,439661	1,424568	2,847255	15,900305
5,06	9,350271	31,575072	86,135575	0,437832	1,426364	2,728412	15,940997
5,08	9,980402	30,746944	97,119306	0,431124	1,427562	2,649732	15,995253
5,1	10,847496	30,299323	109,83731	0,427465	1,429957	2,540727	16,052899
5,12	11,12844	29,694496	113,883948	0,426246	1,429957	2,628524	16,086809
5,14	11,190757	30,199872	115,04013	0,423806	1,425166	2,907805	16,12411
5,16	11,152914	30,576717	116,196312	0,424416	1,425765	2,833608	16,188538
5,18	10,690107	33,174375	111,571584	0,421367	1,429358	2,705092	16,252967
5,2	10,147463	35,804571	106,368764	0,417708	1,440137	2,655908	16,303832
5,22	9,8423	37,197255	105,790672	0,418318	1,44373	2,582427	16,358087
5,24	9,827096	38,622886	107,524946	0,414659	1,447922	2,894238	16,391997
5,26	10,040584	40,55552	113,883948	0,41405	1,45451	2,720594	16,43608
5,28	10,510043	41,8213	122,555315	0,402464	1,458103	2,631793	16,490336
5,3	10,856479	40,550026	127,758134	0,396366	1,460498	2,67085	16,527636
5,32	10,846019	37,438855	127,758134	0,393317	1,464091	2,577555	16,561546
5,34	10,600008	37,373368	124,867679	0,396975	1,458701	2,809707	16,605629
5,36	10,657319	38,100419	127,180043	0,390877	1,458103	2,760137	16,639539
5,38	11,00876	39,335897	134,117137	0,391487	1,462893	2,662368	16,670058
5,4	11,772874	40,888228	143,944685	0,392707	1,45451	2,600721	16,707358
5,42	12,301437	39,839035	147,991323	0,386609	1,453312	2,630159	16,744659
5,44	12,402458	37,805934	146,835141	0,394536	1,453312	2,628524	16,788742
5,46	11,813526	36,977602	137,007592	0,395146	1,452114	3,0166	16,846389
5,48	10,974622	36,308306	124,289588	0,385999	1,455707	2,677691	16,897253
5,5	10,337421	36,432565	117,352495	0,379291	1,455108	2,654772	16,941336

5,52	9,931889	37,698345	113,883948	0,375023	1,463492	2,66293	16,995592
5,54	9,791458	39,314534	115,04013	0,363437	1,468882	2,839588	17,036283
5,56	9,735142	39,883159	116,774403	0,375023	1,477265	2,642052	17,066802
5,58	9,736507	38,484371	119,664859	0,375633	1,478463	2,858671	17,114276
5,6	9,494946	35,722591	116,774403	0,370145	1,485649	2,535563	17,141404
5,62	9,082227	34,261369	110,415401	0,366486	1,483853	2,671661	17,171923
5,64	8,772898	33,434055	106,946855	0,363437	1,482056	2,693581	17,212614
5,66	8,574487	32,702121	105,212581	0,356729	1,489841	2,796939	17,249915
5,68	8,378485	32,509528	104,056399	0,3549	1,477864	2,740223	17,287216
5,7	8,25214	33,046019	103,478308	0,362217	1,483254	2,690401	17,33469
5,72	8,227148	32,313882	104,63449	0,351241	1,481457	2,535488	17,375381
5,74	8,007572	27,841984	54,340564	0,44332	1,41798	0,030594	16,293659
5,76	8,089724	26,668736	53,184382	0,440881	1,410195	2,735618	16,283486
5,78	8,085128	27,33559	52,606291	0,432343	1,415585	2,585838	16,273313
5,8	8,075639	28,129144	52,606291	0,436002	1,419178	2,644811	16,266531
5,82	8,058921	28,954424	53,184382	0,422587	1,425166	2,840038	16,259749
5,84	8,121646	29,113257	53,762473	0,417099	1,420975	2,677691	16,256358
5,86	8,109449	29,176302	54,340564	0,426246	1,41798	2,716702	16,26314
5,88	8,145369	29,968839	55,496746	0,405513	1,42337	2,661271	16,273313
5,9	8,243866	30,031477	56,652928	0,407952	1,420376	2,599155	16,286877
5,92	8,424141	30,093708	58,965293	0,402464	1,428759	2,62112	16,307223
5,94	8,707957	30,631624	62,433839	0,403683	1,429358	2,906594	16,33096
5,96	9,210974	31,201062	67,636659	0,397585	1,424568	2,634416	16,358087
5,98	9,837033	31,231567	72,839479	0,393926	1,426364	2,654772	16,378433
6	10,465695	30,595218	78,042299	0,398195	1,431155	2,652817	16,408952
6,02	10,819714	30,244809	81,510846	0,395756	1,446126	2,582175	16,432689
6,04	11,003896	31,100391	83,245119	0,392707	1,441335	2,993747	16,449644
6,06	11,241204	31,79653	86,135575	0,391487	1,447922	2,663616	16,480163
6,08	11,374167	33,000486	89,02603	0,392097	1,45451	2,632242	16,507291
6,1	11,616482	34,934341	92,494577	0,394536	1,45451	2,588496	16,531027
6,12	11,863652	36,106774	95,963124	0,393926	1,465887	2,712821	16,554764
6,14	12,074472	36,993878	98,853579	0,392097	1,476068	2,877234	16,578501
6,16	12,272927	37,658291	102,900217	0,389048	1,476667	2,775602	16,605629
6,18	12,469177	37,752248	105,790672	0,38417	1,473672	2,617433	16,625975
6,2	12,597358	38,480519	108,103037	0,385999	1,48026	2,682167	16,649712
6,22	12,856521	39,271835	112,727766	0,389658	1,48505	2,65099	16,680231
6,24	13,227539	39,302137	117,930586	0,387219	1,483853	2,836443	16,703967
6,26	13,634683	40,378579	123,133406	0,381121	1,484451	2,593194	16,741268
6,28	13,964194	40,344819	127,180043	0,388438	1,480858	2,778987	16,775178
6,3	14,084568	39,612275	128,914317	0,386609	1,49044	2,609965	16,822652
6,32	13,952616	38,721712	128,914317	0,381731	1,49044	2,731582	16,859953
6,34	13,667677	37,894601	127,180043	0,387219	1,489242	2,782559	16,897253
6,36	13,494144	37,510838	128,336226	0,38356	1,485649	2,600593	16,948118
6,38	13,121709	37,222864	126,023861	0,377462	1,49044	2,760137	16,98881
6,4	12,204948	36,17245	116,196312	0,381121	1,485649	2,602544	17,046456
6,42	11,084876	35,853564	101,744035	0,372584	1,478463	2,643459	17,073584
6,44	10,191536	39,3125	90,760304	0,391487	1,470079	2,935046	17,06002
6,46	9,178291	50,732802	79,776573	0,41222	1,442533	2,830202	17,076975
6,48	8,76957	46,445738	80,354664	0,415879	1,437143	2,610091	17,144795
6,5	8,605812	38,412781	83,82321	0,415269	1,437143	2,632242	17,249915
6,52	8,395897	40,213832	86,135575	0,404293	1,451515	2,655908	17,371991
6,54	7,587251	39,480271	76,886117	0,399415	1,456905	2,880193	17,443201
6,56	6,776643	37,986509	67,636659	0,387219	1,463492	2,65099	17,480502
6,58	5,754061	30,623662	54,918655	0,398195	1,471277	2,81534	17,521194
6,6	4,734112	25,640866	42,200651	0,398195	1,464091	2,801324	17,551712
6,62	3,77095	23,700907	34,107375	0,390877	1,458701	2,582427	17,629705
6,64	3,398449	24,680544	32,373102	0,381121	1,472475	2,571249	17,694134
6,66	3,110433	27,659319	31,21692	0,380511	1,477864	2,917759	17,765344
6,68	2,848257	31,653118	30,060738	0,365266	1,474271	2,87559	17,812818
6,7	2,715142	33,965853	31,21692	0,364047	1,495829	2,561027	17,867074
6,72	2,76544	32,062734	19,077007	0,420148	1,447323	0,037288	16,802306
6,74	3,105487	29,55822	21,389371	0,427465	1,455707	2,540881	16,771787
6,76	3,183267	28,671726	21,389371	0,437832	1,462294	2,674612	16,741268
6,78	3,306681	27,023404	21,389371	0,439051	1,456306	2,839588	16,710749
6,8	3,543795	26,962597	24,279826	0,434783	1,437143	2,709595	16,673449
6,82	3,587318	24,075948	24,857918	0,440271	1,438341	2,760137	16,666667
6,84	3,167668	20,014017	19,655098	0,425026	1,439539	2,697407	16,683622
6,86	2,681874	15,475384	13,874187	0,41405	1,444329	2,630035	16,71414
6,88	2,588891	15,601881	13,296095	0,395756	1,450916	2,652199	16,720922
6,9	2,630348	17,473505	16,186551	0,389048	1,46469	2,926093	16,727704
6,92	2,730436	20,233454	20,81128	0,389048	1,471876	2,728412	16,727704

6,94	2,950156	27,656905	27,170282	0,381731	1,473672	2,735618	16,734486
6,96	3,359842	33,083456	38,154013	0,372584	1,507207	2,647219	16,710749
6,98	3,719774	46,283867	50,293926	0,359778	1,571882	2,655908	16,670058
7	4,891529	53,392297	65,902386	0,330508	1,630568	2,699964	16,639539
7,02	6,485815	53,104322	85,557484	0,301848	1,633562	2,953304	16,680231
7,04	8,009997	45,23325	92,494577	0,287213	1,620987	2,658564	16,731095
7,06	8,949607	36,349595	91,916486	0,272578	1,617992	2,680371	16,737877
7,08	9,248775	30,417871	90,760304	0,287822	1,618591	2,60279	16,720922
7,1	9,36737	29,086808	89,02603	0,276846	1,62937	2,60279	16,697185
7,12	9,465792	27,753303	89,02603	0,281724	1,622783	2,847255	16,720922
7,14	9,554426	25,372437	90,760304	0,281724	1,630568	2,811254	16,737877
7,16	9,655482	23,849188	91,916486	0,274407	1,629969	2,728412	16,744659
7,18	9,720542	20,930406	93,072668	0,268309	1,622184	2,705092	16,744659
7,2	9,556687	19,693096	92,494577	0,271358	1,626975	2,662114	16,744659
7,22	9,277243	21,057513	90,182213	0,272578	1,631766	2,62112	16,741268
7,24	9,093812	23,880303	90,182213	0,272578	1,640748	2,898746	16,754832
7,26	9,674013	36,981671	101,744035	0,239649	1,647335	2,811589	16,778569
7,28	11,805678	51,100708	131,226681	0,215867	1,666498	2,617433	16,761614
7,3	14,119535	46,816696	150,303688	0,208549	1,662905	2,73968	16,778569
7,32	15,406493	48,624868	147,413232	0,208549	1,673684	2,494045	16,78196
7,34	15,216857	47,101415	134,695228	0,20733	1,670091	3,099126	16,792133
7,36	14,393194	53,032936	121,399132	0,191475	1,674882	2,596888	16,812479
7,38	13,894708	52,935927	120,24295	0,190865	1,684463	2,735618	16,842998
7,4	14,316647	48,334046	132,382863	0,179889	1,707818	2,487061	16,870125
7,42	15,379822	45,12851	154,928416	0,164644	1,715004	2,898746	16,897253
7,44	16,386847	39,955156	165,912148	0,154278	1,725783	2,677168	16,924381
7,46	16,781999	35,987588	168,802603	0,145131	1,725184	2,693191	16,9549
7,48	16,834602	38,872406	168,802603	0,136594	1,725783	2,735811	16,992201
7,5	17,149469	42,455194	175,739696	0,126837	1,721591	2,757293	17,029502
7,52	17,408632	41,755393	181,520607	0,141472	1,731772	2,733593	17,063411
7,54	17,726897	45,880165	186,145336	0,162205	1,738958	2,658564	17,053238
7,56	18,272682	48,670416	191,348156	0,17806	1,738958	2,60823	17,080366
7,58	18,242945	48,890869	184,989154	0,174401	1,726382	2,682167	17,107494
7,6	17,856238	49,967922	175,739696	0,189036	1,720993	2,62112	17,134622
7,62	16,727239	42,15725	158,975054	0,192695	1,710812	2,738056	17,236351
7,64	16,293573	42,72445	154,928416	0,181718	1,716801	2,842414	17,30078
7,66	16,117015	42,33906	156,084599	0,190865	1,716801	2,841631	17,378772
7,68	16,326418	42,936765	168,224512	0,187816	1,724586	2,489716	17,463547
7,7	16,570265	39,252696	175,161605	0,189646	1,726382	2,724046	17,527976
7,72	15,914234	32,335435	153,194143	0,23477	1,691051	0,029556	17,54493
7,74	17,915653	24,341732	156,66269	0,240868	1,697039	2,661271	17,524585
7,76	18,212063	24,754576	149,147505	0,246356	1,703626	2,542786	17,517803
7,78	17,316146	25,579856	134,117137	0,23538	1,698237	2,56689	17,511021
7,8	16,231339	25,772042	117,930586	0,2366	1,693446	2,880193	17,480502
7,82	15,823597	25,836104	113,883948	0,241478	1,68626	2,677691	17,470329
7,84	15,201862	25,042754	109,83731	0,248186	1,692847	2,654964	17,47372
7,86	14,604111	26,628031	104,056399	0,248186	1,689853	2,705092	17,490675
7,88	13,850722	27,387824	97,119306	0,256723	1,697638	2,577555	17,517803
7,9	13,473953	27,037822	96,541215	0,267699	1,688655	2,85815	17,538149
7,92	13,572844	27,162895	101,744035	0,255503	1,692847	2,604308	17,565276
7,94	14,179338	27,415074	115,618221	0,268309	1,673684	2,756131	17,592404
7,96	15,224844	27,761007	138,741866	0,26648	1,669492	2,630035	17,643269
7,98	15,697032	28,772573	151,45987	0,274407	1,670091	2,628524	17,704307
8	15,691131	33,655512	153,194143	0,257943	1,661708	2,652199	17,75178
8,02	15,49619	47,327538	150,303688	0,255503	1,625777	2,860793	17,782299
8,04	15,130742	36,569207	138,741866	0,262821	1,625178	2,689299	17,836555
8,06	14,273347	44,271477	121,399132	0,278676	1,667696	2,606436	17,955239
8,08	13,92232	48,677713	119,664859	0,288432	1,685661	2,611643	18,016277
8,1	13,909432	50,071617	124,289588	0,29392	1,68626	2,885264	18,060359
8,12	13,964613	50,862934	128,914317	0,302457	1,690452	2,712821	18,080705
8,14	14,133405	43,404094	138,163774	0,319532	1,683865	2,677168	18,134961
8,16	13,838305	32,899367	138,741866	0,333557	1,675481	2,728412	18,192608
8,18	13,360928	26,42342	135,273319	0,331728	1,676679	2,61207	18,257036
8,2	12,764263	22,865441	129,492408	0,328069	1,668295	2,684063	18,335029
8,22	12,466809	23,464977	128,336226	0,32563	1,667097	2,75561	18,389285
8,24	12,120788	24,889387	126,023861	0,331728	1,664103	2,85808	18,44354
8,26	11,847245	27,581815	126,601952	0,348802	1,662905	2,511041	18,514751
8,28	11,734272	28,276325	130,070499	0,344533	1,66051	2,843097	18,572397
8,3	11,698932	28,431293	134,117137	0,349412	1,661708	2,59553	18,633435
8,32	11,675883	29,760525	138,163774	0,349412	1,65512	2,789731	18,687691
8,34	11,574977	29,407878	141,05423	0,358558	1,64494	2,677691	18,748728

8,36	11,367074	29,752793	141,632321	0,359778	1,649132	2,684063	18,816548
8,38	11,242034	30,098523	142,210412	0,360388	1,638952	2,510599	18,870804
8,4	11,046273	30,157905	143,366594	0,366486	1,637155	2,699964	18,938623
8,42	10,481998	30,092012	132,382863	0,364656	1,640748	2,849916	18,979315
8,44	9,434564	29,519115	111,571584	0,373193	1,634161	2,752137	19,009834
8,46	7,892022	30,089163	84,979393	0,390268	1,617992	2,759194	19,026789
8,48	6,882756	33,10414	65,902386	0,415879	1,603021	2,789454	19,009834
8,5	6,383514	32,436676	58,965293	0,451857	1,580266	2,458788	19,03018
8,52	6,139394	35,004438	58,965293	0,465272	1,540742	2,904636	19,06409
8,54	6,046261	33,889759	60,699566	0,492103	1,510201	2,758562	19,1353
8,56	5,255176	48,157864	56,652928	0,47259	1,513794	2,697094	19,277721
8,58	4,585394	64,71247	52,0282	0,470151	1,531161	2,678384	19,382842
8,6	3,890672	74,735816	45,091106	0,462223	1,55212	2,640521	19,416751
8,62	4,77712	78,22485	62,433839	0,477468	1,55751	2,685961	19,430315
8,64	5,003328	70,387742	63,590022	0,482346	1,570085	3,105241	19,443879
8,66	3,923362	60,900481	47,403471	0,475639	1,55751	2,568397	19,464225
8,68	2,373809	53,82337	25,436009	0,474419	1,552719	2,748219	19,501526
8,7	1,7327	52,234227	17,920824	0,47259	1,558109	2,58113	19,549
8,72	1,325823	33,486926	-8,671367	0,562839	1,512597	0,029063	17,388945
8,74	1,057392	51,603223	-11,561822	0,5604	1,522178	2,690024	17,375381
8,76	0,79118	63,659264	-15,60846	0,56101	1,529364	2,593194	17,371991
8,78	0,713228	58,996168	-7,515184	0,56101	1,535353	2,57399	17,361818
8,8	0,762237	56,204697	14,452278	0,557351	1,541341	2,888174	17,355036
8,82	0,977221	50,811296	50,293926	0,557351	1,543138	2,693191	17,355036
8,84	1,052879	43,73622	68,792842	0,546375	1,547329	2,682167	17,358427
8,86	0,942795	31,806879	72,839479	0,55918	1,550922	2,73968	17,365209
8,88	0,788588	18,734999	77,464208	0,554912	1,549126	2,648688	17,378772
8,9	0,722329	11,246875	81,510846	0,553083	1,550324	2,59553	17,392336
8,92	0,683017	8,264031	87,869848	0,562229	1,543138	3,104093	17,402509
8,94	0,714776	6,931544	104,63449	0,550643	1,526969	2,658114	17,402509
8,96	1,071528	6,551037	130,070499	0,558571	1,510201	2,647219	17,399118
8,98	1,406293	8,200987	145,100868	0,548814	1,516789	2,659628	17,395727
9	3,482047	14,16525	202,331887	0,538447	1,484451	2,667099	17,399118
9,02	8,079712	19,812662	267,656182	0,485395	1,481457	2,8205	17,395727
9,04	11,743906	22,447945	250,89154	0,482346	1,477864	2,708872	17,361818
9,06	13,598239	33,841608	191,348156	0,524422	1,364085	2,574115	17,293998
9,08	15,048271	37,015011	207,534707	0,513446	1,308393	2,739159	17,280434
9,1	16,818174	29,272877	133,539046	0,493323	1,303003	2,534984	17,297389
9,12	17,420334	33,999831	142,210412	0,467711	1,300608	2,871906	17,30078
9,14	18,488068	44,276984	142,788503	0,429904	1,288032	2,744183	17,33469
9,16	18,443537	78,443528	136,429501	0,385999	1,267073	2,751355	17,371991
9,18	17,470136	53,507997	121,977223	0,393317	1,274858	2,505591	17,355036
9,2	16,718388	49,672013	114,462039	0,38356	1,26348	2,781597	17,307562
9,22	15,539397	48,628314	100,587852	0,392097	1,258689	2,796939	17,253306
9,24	14,565847	45,043899	93,072668	0,372584	1,245515	2,685419	17,243133
9,26	13,854187	40,665319	90,760304	0,366486	1,244317	2,712821	17,249915
9,28	13,363732	37,746741	91,338395	0,362827	1,239527	2,79522	17,246524
9,3	13,040909	29,08598	93,072668	0,360388	1,236532	2,451973	17,239742
9,32	12,759294	20,678823	94,22885	0,3549	1,245515	2,949279	17,236351
9,34	12,479435	20,010952	97,119306	0,348192	1,234137	2,70954	17,263479
9,36	12,379201	20,104298	101,744035	0,351241	1,231143	2,716702	17,293998
9,38	12,422165	20,831959	109,83731	0,345143	1,232939	2,5537	17,327908
9,4	12,579114	20,73434	120,24295	0,334777	1,228149	2,398246	17,3686
9,42	12,789635	20,986113	130,070499	0,329288	1,229346	2,835089	17,402509
9,44	12,966234	21,523622	137,585683	0,333557	1,229945	3,099126	17,433028
9,46	13,431212	23,296813	129,492408	0,312824	1,224556	2,661271	17,490675
9,48	13,9232	24,055589	141,632321	0,29636	1,235934	2,88383	17,534758
9,5	14,347194	23,00599	152,037961	0,302457	1,234736	2,45029	17,57884
9,52	14,91166	22,589891	163,021692	0,29514	1,232341	2,599524	17,639878
9,54	15,299302	22,587449	172,849241	0,279285	1,226951	3,055133	17,68057
9,56	15,5628	22,584194	176,317787	0,278066	1,232341	2,557358	17,734825
9,58	15,289555	21,343426	108,103037	0,275627	1,242521	2,77455	17,792472
9,6	14,380602	20,802051	103,478308	0,262211	1,234736	2,549672	17,826382
9,62	13,631547	20,227933	99,43167	0,259772	1,226951	2,743561	17,877247
9,64	13,110609	20,636911	100,587852	0,254284	1,214375	2,678041	17,945066
9,66	12,995282	21,68061	104,63449	0,249405	1,219166	2,841631	17,989149
9,68	12,969506	23,104206	112,727766	0,23599	1,209585	2,483795	18,056968
9,7	13,072956	23,228464	122,555315	0,229892	1,210782	2,682167	18,101051
9,72	13,013467	22,648867	134,117137	0,231112	1,207189	0,034813	17,714479
9,74	13,424009	23,156888	130,070499	0,226233	1,200602	2,898746	17,704307
9,76	13,778774	23,316127	130,070499	0,217696	1,207189	2,616164	17,697525

9,78	14,048621	22,745875	130,64859	0,220135	1,201201	2,764155	17,683961
9,8	14,595152	24,713287	138,163774	0,20672	1,194015	2,564966	17,677179
9,82	15,447433	28,107754	148,569414	0,192085	1,182637	2,664311	17,68057
9,84	16,124946	27,917399	153,772234	0,180499	1,177846	2,723241	17,683961
9,86	16,139292	27,345722	152,616052	0,181718	1,179044	2,716702	17,690743
9,88	15,898735	26,266635	149,147505	0,179279	1,188026	2,685419	17,697525
9,9	15,699013	26,16983	148,569414	0,184767	1,182038	2,648688	17,724652
9,92	15,56493	25,121451	147,991323	0,17806	1,181439	2,60279	17,748389
9,94	15,319218	23,66084	146,25705	0,17623	1,181439	2,867481	17,772126
9,96	14,90778	23,562814	141,632321	0,173181	1,182637	2,722544	17,816209
9,98	14,612978	24,067783	140,476139	0,169523	1,197009	2,685419	17,860292
10	14,486032	23,431434	143,366594	0,155497	1,203596	2,67085	17,89081
10,02	14,140459	23,365948	139,898048	0,14757	1,189224	2,678384	17,92472
10,04	12,791896	21,396704	116,196312	0,149399	1,177846	2,617745	17,962021
10,06	11,035742	19,238123	86,713666	0,150009	1,179044	2,930701	17,982367
10,08	7,350547	19,522029	42,200651	0,159156	1,17066	2,709595	18,009495
10,1	4,770742	23,896132	20,81128	0,156107	1,167666	2,704935	18,077314
10,12	3,15976	32,45846	10,40564	0,157936	1,185032	2,797356	18,138352
10,14	2,327096	42,98881	6,359002	0,164644	1,179044	2,659628	18,182435
10,16	1,829676	60,719512	9,249458	0,170742	1,178445	2,614691	18,250254
10,18	1,462033	87,588084	12,718004	0,171962	1,171259	2,981122	18,30451
10,2	2,491784	104,960325	37,575922	0,165254	1,161678	2,736275	18,358766
10,22	4,697774	82,916443	89,604121	0,14696	1,152096	2,654772	18,436758
10,24	4,361566	60,95867	105,790672	0,135984	1,16048	2,543661	18,494405
10,26	2,810305	59,686989	72,839479	0,145741	1,170061	2,6485	18,538488
10,28	2,162016	52,292416	57,23102	0,137813	1,167067	3,069658	18,579179
10,3	2,737593	52,702208	76,886117	0,162815	1,171259	2,729342	18,623262
10,32	6,931926	78,875252	172,849241	0,171962	1,158683	2,591915	18,636826
10,34	11,94166	67,35204	258,406725	0,173791	1,178445	2,520176	18,748728
10,36	13,327733	60,053661	261,875271	0,168303	1,191021	2,981122	18,772465
10,38	13,934675	51,265184	251,469631	0,168303	1,202997	2,666182	18,779247
10,4	14,182741	48,252241	245,110629	0,165864	1,210184	2,571058	18,762292
10,42	14,112393	50,409805	236,439262	0,169523	1,195213	2,610091	18,758901
10,44	13,903554	44,921227	227,767896	0,170742	1,199404	2,697708	18,758901
10,46	13,702074	38,322445	222,565076	0,173791	1,195811	2,906594	18,75551
10,48	13,493533	34,389249	217,362256	0,172571	1,187428	2,48774	18,741946
10,5	13,274757	33,056151	210,425163	0,179889	1,185631	2,887967	18,752119
10,52	13,094834	34,388028	209,26898	0,187816	1,181439	2,573377	18,762292
10,54	12,914837	34,228585	206,378525	0,189646	1,173654	2,664311	18,775856
10,56	12,756919	32,356554	204,644252	0,187816	1,168265	2,754989	18,779247
10,58	12,751987	31,81701	208,690889	0,199402	1,163474	2,708872	18,782638
10,6	12,783482	31,467822	213,893709	0,204281	1,163474	2,735811	18,786029
10,62	12,783482	31,975436	219,096529	0,210379	1,159881	2,693581	18,786029
10,64	12,79312	32,609751	225,455531	0,220135	1,147904	2,686483	18,78942
10,66	12,75662	31,97503	226,611714	0,225624	1,144311	2,674612	18,796202
10,68	12,639686	30,578073	224,87744	0,238429	1,13473	2,751483	18,809766
10,7	12,547035	30,00599	147,991323	0,240259	1,134131	2,605892	18,826721
10,72	12,278725	26,604226	114,462039	0,293311	1,10898	0,04272	17,887419
10,74	12,269384	26,097629	109,259219	0,301238	1,105387	2,591915	17,870465
10,76	12,196832	26,606057	108,103037	0,303067	1,101195	2,936815	17,856901
10,78	12,112212	27,939562	107,524946	0,313434	1,095805	2,677691	17,839946
10,8	12,022586	26,95667	106,946855	0,318312	1,092811	2,693581	17,829773
10,82	11,799326	25,719767	105,212581	0,337216	1,096404	2,630035	17,822991
10,84	11,629341	25,624589	104,63449	0,345143	1,092811	2,847038	17,826382
10,86	11,573339	26,068345	105,212581	0,351241	1,099398	2,768184	17,829773
10,88	11,473329	25,718139	106,946855	0,351241	1,105387	2,664435	17,850119
10,9	11,091553	25,621537	104,056399	0,371974	1,109579	2,666182	17,873856
10,92	9,535619	34,660567	80,354664	0,357949	1,137724	2,67085	17,921329
10,94	8,078459	59,408591	67,636659	0,316483	1,168864	2,584533	17,89081
10,96	7,428304	64,834939	61,277657	0,306116	1,19641	2,958657	17,870465
10,98	6,561901	52,014018	53,184382	0,315263	1,217968	2,767077	17,931502
11	5,468619	53,944617	43,934924	0,35368	1,234137	2,720594	18,009495
11,02	4,12322	62,032481	33,529284	0,365266	1,252701	2,564389	18,046796
11,04	3,819084	75,35593	30,638829	0,370145	1,274858	2,705243	18,070532
11,06	4,643702	104,791015	58,387202	0,395756	1,270666	2,95396	18,046796
11,08	7,610788	105,51403	183,832972	0,420757	1,274259	2,60823	18,009495
11,1	10,343286	91,603857	239,329718	0,425026	1,251503	2,574881	17,999322
11,12	11,800195	78,113437	168,802603	0,426246	1,220963	2,614691	18,114615
11,14	12,218288	66,083832	142,788503	0,429294	1,214375	2,912538	18,223126
11,16	12,002876	55,260625	127,758134	0,435392	1,216172	2,709595	18,284164
11,18	11,299513	47,832494	111,571584	0,446978	1,228747	2,623044	18,355375

11,2	10,229839	40,849543	93,072668	0,44271	1,255096	2,705092	18,40963
11,22	9,946339	27,492334	91,916486	0,429294	1,252701	2,555465	18,419803
11,24	10,24639	27,428272	100,009761	0,416489	1,229945	2,921499	18,436758
11,26	11,285282	32,566645	121,399132	0,415269	1,21737	2,600593	18,450322
11,28	13,128111	48,048065	157,240781	0,420148	1,184433	2,736007	18,463886
11,3	14,387835	47,919533	184,989154	0,426246	1,184433	2,76313	18,491014
11,32	15,214862	48,10704	205,222343	0,44332	1,205393	2,44191	18,538488
11,34	15,260405	50,738661	205,222343	0,432953	1,213178	2,85815	18,572397
11,36	14,638296	47,437948	186,723427	0,44271	1,223358	2,728412	18,585961
11,38	13,307254	44,105916	151,45987	0,439051	1,219765	2,689299	18,599525
11,4	12,005129	34,93571	124,289588	0,453686	1,202399	2,573377	18,623262
11,42	11,055341	25,544033	110,415401	0,451247	1,19162	2,556824	18,636826
11,44	10,200259	18,975961	98,275488	0,445759	1,191021	2,679051	18,65039
11,46	9,304749	17,134842	86,713666	0,445759	1,18084	2,990511	18,667345
11,48	8,178925	18,243824	73,41757	0,451857	1,176649	2,701244	18,691082
11,5	6,621851	20,11443	56,074837	0,453686	1,186829	2,756131	18,711428
11,52	4,155821	25,600364	32,373102	0,458565	1,178445	2,732015	18,75551
11,54	2,827145	34,45087	22,545553	0,469541	1,186829	2,571249	18,772465
11,56	2,426046	46,917923	21,967462	0,460394	1,177846	2,606436	18,792811
11,58	3,193107	58,242844	39,310195	0,47137	1,17066	3,008765	18,813157
11,6	3,057645	78,450811	43,356833	0,47198	1,183236	2,858671	18,836894
11,62	2,016573	92,789488	41,62256	0,489054	1,197608	2,735241	18,860631
11,64	1,434469	96,529761	32,951193	0,490884	1,192218	2,546111	18,89115
11,66	1,150335	100,350979	46,247289	0,490274	1,19641	2,58831	18,925059
11,68	1,875159	104,454241	166,490239	0,461004	1,185032	2,936815	18,958969
11,7	4,859108	94,019067	363,619306	0,456735	1,163474	2,567628	18,989488
11,72	6,881577	36,537291	117,930586	0,465882	1,148503	0,040724	17,310953
11,74	6,448216	27,972319	72,261388	0,476858	1,162875	2,654772	17,293998
11,76	4,997464	25,433841	47,981562	0,486005	1,207788	2,677691	17,30078
11,78	3,219971	23,786333	28,904555	0,50186	1,219765	2,712821	17,263479
11,8	2,240045	27,086435	24,279826	0,498201	1,208986	2,659628	17,253306
11,82	1,839394	37,175268	27,170282	0,508568	1,205992	2,6485	17,253306
11,84	1,79542	51,039481	42,778742	0,515275	1,207189	2,987151	17,253306
11,86	6,010333	80,543947	144,522777	0,520154	1,207189	2,680371	17,263479
11,88	11,998545	76,197297	216,784165	0,529301	1,225753	2,567628	17,26687
11,9	17,316959	60,430344	266,5	0,543326	1,237131	2,617745	17,253306
11,92	20,022155	52,118161	291,357918	0,553083	1,23773	2,854287	17,249915
11,94	21,496023	49,770039	308,12256	0,56101	1,24791	2,772226	17,260088
11,96	22,97497	48,279125	319,106291	0,570767	1,261085	2,586417	17,256697
11,98	23,875893	45,77278	324,887202	0,582962	1,260486	2,535488	17,256697
12	24,395488	42,536536	301,763557	0,586621	1,267672	2,655908	17,260088
12,02	24,567828	40,759683	275,749458	0,59028	1,277253	2,88909	17,263479
12,04	24,560468	39,807703	256,672451	0,59028	1,287434	2,732337	17,26687
12,06	24,048158	44,376434	230,08026	0,598207	1,292224	2,54986	17,263479
12,08	23,72526	45,264962	239,907809	0,611623	1,298213	2,523113	17,260088
12,1	23,698026	44,343488	253,781996	0,610403	1,292224	2,697407	17,283825
12,12	23,889344	45,103485	267,078091	0,606744	1,29941	2,903268	17,307562
12,14	24,172717	44,02277	265,921909	0,617721	1,308393	2,658564	17,341472
12,16	24,054962	41,19591	267,078091	0,628697	1,307794	2,77455	17,395727
12,18	23,577958	39,479864	240,4859	0,624428	1,313184	2,584715	17,443201
12,2	21,937321	36,652191	182,67679	0,61833	1,307195	2,576387	17,511021
12,22	20,452472	34,491779	154,350325	0,623209	1,317376	3,115037	17,561885
12,24	18,814338	31,981568	130,070499	0,631136	1,337137	2,43112	17,626314
12,26	17,82693	31,057448	126,023861	0,621989	1,331748	2,819438	17,694134
12,28	16,889698	29,686927	124,289588	0,625648	1,335341	2,602544	17,799254
12,3	16,368163	28,634886	130,070499	0,621989	1,33594	2,705243	17,884028
12,32	15,683704	25,742134	126,601952	0,611013	1,314381	2,827741	17,978976
12,34	14,596062	23,83268	113,883948	0,601256	1,315579	2,666182	18,077314
12,36	13,246082	19,226323	97,119306	0,603086	1,311387	2,720753	18,179044
12,38	11,53663	16,967477	76,886117	0,611623	1,317376	2,735811	18,284164
12,4	9,29611	15,183707	54,918655	0,624428	1,307195	2,587517	18,402848
12,42	7,780619	11,751207	45,091106	0,61894	1,303602	2,708951	18,504578
12,44	6,790802	8,985968	39,310195	0,624428	1,307195	3,07622	18,589352
12,46	5,460629	10,026208	33,529284	0,630526	1,303602	2,708872	18,701255
12,48	4,072252	18,17203	26,592191	0,628087	1,323364	2,837548	18,830112
12,5	2,837924	31,458056	24,279826	0,626867	1,345521	2,606876	18,948796
12,52	2,602128	39,163988	34,107375	0,625038	1,328753	2,619275	19,006443
12,54	6,333657	62,292771	135,273319	0,646381	1,270067	2,761264	19,006443
12,56	9,806491	76,786416	205,222343	0,651259	1,231143	2,724497	19,081044
12,58	11,997942	51,361975	228,924078	0,65004	1,245515	2,622393	19,281112
12,6	12,216759	34,953791	217,362256	0,653698	1,256893	2,647219	19,379451

12,62	11,880228	25,781143	198,285249	0,667114	1,264678	2,626521	19,443879
12,64	11,306164	17,624945	180,364425	0,671992	1,2533	2,876495	19,498135
12,66	10,787655	14,73443	166,490239	0,674431	1,249707	2,623044	19,545609
12,68	9,676855	14,445235	137,007592	0,670163	1,255695	2,724497	19,606646
12,7	1,917271	0,848312	61,855748	0,705531	1,26887	0,023518	17,26687
12,72	4,925622	20,105112	100,009761	0,688457	1,27905	2,676562	17,280434
12,74	3,976971	24,675675	74,573753	0,674431	1,308992	2,604308	17,246524
12,76	3,329673	21,25172	61,277657	0,656747	1,326358	2,579403	17,205832
12,78	2,874124	17,635783	56,652928	0,646991	1,342527	2,701244	17,192269
12,8	2,588368	14,019235	55,496746	0,64821	1,364684	2,54686	17,188878
12,82	2,351174	11,321924	53,184382	0,637844	1,376661	3,031227	17,199051
12,84	2,115825	10,145828	52,606291	0,639063	1,384445	2,728412	17,236351
12,86	1,961394	10,112678	53,184382	0,645771	1,373666	2,76313	17,260088
12,88	1,85849	18,297144	55,496746	0,661016	1,376661	2,611643	17,273652
12,9	2,051039	21,214705	65,902386	0,642722	1,375463	2,674612	17,293998
12,92	2,079833	23,434093	82,088937	0,64821	1,388038	3,00303	17,317735
12,94	1,891498	26,161909	71,683297	0,657357	1,389236	2,693191	17,327908
12,96	1,595747	31,872162	61,855748	0,659796	1,385044	2,634941	17,33469
12,98	1,431917	39,93013	61,277657	0,670773	1,382649	2,720441	17,341472
13	1,126542	50,145866	57,23102	0,686017	1,381451	2,720441	17,341472
13,02	0,855444	48,718405	124,867679	0,701262	1,369474	2,906594	17,341472
13,04	0,796737	43,451704	212,737527	0,695164	1,381451	2,685419	17,341472
13,06	1,549777	33,04724	345,12039	0,693945	1,356899	2,813296	17,314344
13,08	2,729446	25,590843	384,430586	0,698823	1,360492	2,521237	17,327908
13,1	2,778232	22,862213	255,516269	0,686017	1,362288	2,662114	17,331299
13,12	2,805478	20,864499	218,518438	0,67931	1,345521	2,658564	17,314344
13,14	3,134739	28,637952	252,047722	0,675651	1,338335	3,026491	17,304171
13,16	4,905278	40,349891	394,836226	0,687847	1,314381	2,778987	17,219396
13,18	12,200804	70,368279	345,12039	0,745167	1,213777	2,638096	17,124449
13,2	19,856613	71,254365	511,610629	0,76834	1,189224	2,599155	17,16175
13,22	23,507901	65,096898	171,693059	0,754314	1,194614	2,508495	17,205832
13,24	24,680204	61,732326	216,784165	0,754314	1,19162	2,8289	17,23296
13,26	26,022716	54,688162	264,765727	0,76834	1,194614	2,719295	17,249915
13,28	27,489895	55,292174	286,155098	0,764681	1,204794	2,652199	17,229569
13,3	29,054283	55,832939	271,70282	0,773828	1,204195	2,448609	17,205832
13,32	30,094965	57,073911	318,5282	0,792121	1,189224	2,951774	17,144795
13,34	31,018191	58,344167	320,840564	0,782365	1,179643	2,550052	17,124449
13,36	31,538159	62,818331	334,136659	0,793951	1,165869	2,552867	17,110885
13,38	31,446105	63,167926	321,418655	0,799439	1,159881	2,56689	17,100712
13,4	31,266182	58,598788	314,481562	0,811635	1,149701	2,8205	17,110885
13,42	30,661221	56,757872	296,560738	0,810415	1,138323	2,82767	17,124449
13,44	29,208314	58,944924	269,390456	0,805537	1,128143	2,531966	17,158359
13,46	26,531213	65,318979	212,159436	0,799439	1,117364	2,643584	17,205832
13,48	25,005306	63,761969	184,411063	0,790292	1,099398	2,857391	17,246524
13,5	23,284458	62,076224	163,599783	0,790292	1,091614	2,829418	17,317735
13,52	22,014987	47,731037	165,912148	0,801268	1,082631	2,613061	17,402509
13,54	21,432296	45,25011	180,364425	0,802488	1,065863	2,577555	17,50763
13,56	21,001845	42,640245	207,534707	0,791512	1,065265	2,613061	17,64666
13,58	20,677008	37,876276	222,565076	0,79578	1,060474	2,921499	17,731434
13,6	19,572218	35,046364	204,644252	0,810415	1,048497	2,849832	17,836555
13,62	17,604763	27,868379	160,131236	0,818343	1,046102	2,677691	17,968803
13,64	13,997118	29,888052	99,43167	0,812245	1,035922	2,690765	18,148525
13,66	10,977585	37,714784	68,792842	0,811025	1,040113	2,58113	18,307901
13,68	8,264635	41,959949	43,356833	0,82505	1,045503	3,009468	18,40963
13,7	1,966091	6,211777	5,20282	0,874444	1,001788	0,031491	18,82333
13,72	4,673073	48,028329	56,652928	0,869565	0,992805	2,917012	18,78942
13,74	3,564639	62,971222	36,41974	0,878712	0,992206	2,562472	18,792811
13,76	2,863193	81,974623	29,482646	0,882371	0,98023	2,775006	18,799593
13,78	2,470094	90,890208	71,683297	0,890298	0,976038	2,630035	18,78942
13,8	2,396879	89,748279	164,755965	0,898226	0,988015	2,58113	18,786029
13,82	2,296716	80,991934	272,859002	0,909202	1,004782	2,863069	18,786029
13,84	3,019769	70,744269	406,976139	0,923227	1,010172	2,768857	18,78942
13,86	4,181208	65,762287	464,785249	0,927496	1,013765	2,747453	18,806375
13,88	4,537387	60,240761	451,489154	0,928715	1,029933	2,606436	18,826721
13,9	3,79959	45,804262	265,921909	0,932984	1,032927	2,593507	18,847067
13,92	3,05208	33,04903	201,753796	0,924447	1,034125	3,059959	18,870804
13,94	2,474961	28,161412	168,224512	0,936033	1,033526	2,708872	18,901322
13,96	1,951713	37,455877	148,569414	0,932374	1,033526	2,712821	18,921668
13,98	1,943712	59,313183	206,956616	0,923227	1,021549	2,602544	18,952187
14	2,378342	70,035923	338,761388	0,922617	1,002985	2,697708	18,96236
14,02	2,639742	65,65775	348,588937	0,9153	0,98502	2,866377	18,96236

14,04	2,627154	62,833129	324,309111	0,907982	0,97484	2,76313	18,979315
14,06	3,228304	64,261607	467,675705	0,91591	0,959869	2,619275	18,965751
14,08	4,510456	62,104857	506,9859	0,91591	0,971247	2,577555	18,955578
14,1	5,467381	57,378514	430,099783	0,924447	0,983224	2,914027	18,938623
14,12	5,872424	57,823287	398,304772	0,927496	0,994602	2,673843	18,931841
14,14	6,581081	58,141156	399,460954	0,941521	0,991608	2,803117	18,921668
14,16	7,576635	62,774153	407,55423	0,945789	1,00059	2,588496	18,904713
14,18	8,285591	66,45578	411,600868	0,942131	1,00598	2,626521	18,880977
14,2	9,098087	64,775529	435,880694	0,940911	1,007776	2,63597	18,860631
14,22	10,038368	63,539643	468,831887	0,939082	0,997596	2,857082	18,836894
14,24	10,456811	60,178937	452,645336	0,940301	0,99041	2,685961	18,799593
14,26	10,389936	66,8127	408,132321	0,941521	0,977834	2,549672	18,748728
14,28	10,475824	69,004228	386,164859	0,950668	0,961666	2,750851	18,708037
14,3	10,56332	63,801385	382,696312	0,946399	0,968852	2,857391	18,704646
14,32	10,452137	73,796465	367,665944	0,945789	0,962863	2,752137	18,680909
14,34	9,724101	81,379969	298,873102	0,94274	0,966456	2,735811	18,663954
14,36	7,866493	78,842508	198,285249	0,94518	0,962264	2,514624	18,653781
14,38	6,589683	79,065403	152,037961	0,933594	0,962863	3,059959	18,636826
14,4	6,149018	86,585253	145,678959	0,935423	0,972445	2,654772	18,626653
14,42	7,007446	115,663523	187,301518	0,940911	0,961666	2,768857	18,599525
14,44	8,448708	126,601347	247,422993	0,934813	0,95448	2,67085	18,585961
14,46	9,537939	111,245863	293,670282	0,929325	0,952084	2,637465	18,58257
14,48	9,788691	105,574067	293,670282	0,922617	0,95448	2,59553	18,575788
14,5	9,545094	97,613569	267,656182	0,925056	0,946096	2,971016	18,585961
14,52	8,556993	80,591095	208,690889	0,927496	0,947294	2,720594	18,592743
14,54	7,067538	67,582666	146,25705	0,920788	0,946695	2,606436	18,606307
14,56	5,510613	60,665609	103,478308	0,926276	0,946096	2,575621	18,619871
14,58	5,498341	70,055862	111,571584	0,924447	0,931724	3,1951	18,630044
14,6	5,943751	89,439362	128,914317	0,920788	0,930526	2,708872	18,646999
14,62	6,415816	113,278366	146,25705	0,911641	0,929927	2,610091	18,657172
14,64	7,839539	114,530874	201,175705	0,91591	0,931724	2,645561	18,674127
14,66	9,18367	106,914485	254,938178	0,920178	0,932921	2,610091	18,694473
14,68	9,804909	106,255164	276,90564	0,934203	0,926933	2,967148	18,714819
14,7	5,005596	65,303734	68,214751	0,924447	0,934718	0,029383	16,931163
14,72	10,456784	65,716577	198,863341	0,931154	0,935317	2,903268	16,924381
14,74	10,848049	59,308761	197,707158	0,931764	0,934718	2,617692	16,910817
14,76	10,984335	58,008814	200,597614	0,927496	0,937712	2,65099	16,897253
14,78	10,819356	56,486378	191,348156	0,930545	0,932921	2,563354	16,890471
14,8	10,3991	53,9479	177,47397	0,936642	0,935317	2,620807	16,897253
14,82	10,347806	59,943279	178,052061	0,929325	0,934119	2,987151	16,910817
14,84	10,180099	68,730943	175,739696	0,924447	0,932323	2,673843	16,917599
14,86	9,984133	76,376679	175,161605	0,927496	0,929927	2,649732	16,92099
14,88	9,829468	79,83358	175,739696	0,937252	0,920945	2,570435	16,941336
14,9	9,576008	81,164847	171,693059	0,936642	0,921543	2,894238	16,968464
14,92	9,310202	86,112051	167,06833	0,941521	0,920945	2,742202	16,995592
14,94	9,070902	88,616361	164,177874	0,94335	0,92334	2,670007	17,029502
14,96	9,007282	88,137828	168,802603	0,942131	0,916154	2,58831	17,073584
14,98	9,001343	89,18173	176,895879	0,942131	0,904177	2,825712	17,134622
15	8,795405	87,053044	173,427332	0,938472	0,905974	2,705092	17,175314
15,02	8,105129	82,766997	151,45987	0,940911	0,909567	2,736275	17,226178
15,04	6,744153	84,252824	113,883948	0,949448	0,90777	2,700174	17,314344
15,06	5,682644	81,838198	91,338395	0,947009	0,905974	2,571249	17,371991
15,08	4,73958	83,453776	75,151844	0,954326	0,893997	2,894238	17,419464
15,1	3,463763	94,174075	52,0282	0,948838	0,901782	2,738906	17,463547
15,12	2,617628	100,842404	41,62256	0,952497	0,904177	2,697407	17,524585
15,14	1,966597	108,705021	37,575922	0,947619	0,898788	2,685961	17,57884
15,16	1,66484	115,063204	43,934924	0,951887	0,902381	2,641133	17,636487
15,18	1,507145	106,535568	106,368764	0,948838	0,895195	2,906594	17,697525
15,2	1,608185	93,711601	404,085683	0,939691	0,898788	2,791	17,768735
15,22	1,973142	80,097126	516,813449	0,935423	0,894596	2,623044	17,836555
15,24	3,309337	60,232244	587,340564	0,937252	0,889805	2,520378	17,911156
15,26	5,264844	57,564217	660,180043	0,917739	0,883218	2,930516	17,962021
15,28	8,30454	46,647053	637,056399	0,91469	0,879625	2,76313	18,019668
15,3	9,985349	42,170651	237,017354	0,916519	0,903578	2,636822	18,070532
15,32	9,678504	33,824504	212,737527	0,910421	0,904177	2,727809	18,107833
15,34	7,354941	40,897546	134,117137	0,916519	0,899386	2,514322	18,138352
15,36	5,287173	55,617544	98,275488	0,91347	0,891003	3,064801	18,151916
15,38	3,877087	68,846019	79,776573	0,902494	0,895793	2,546414	18,172262
15,4	2,832797	86,833987	71,683297	0,904323	0,890404	2,764155	18,182435
15,42	2,138538	109,639067	73,995662	0,907982	0,892799	2,655908	18,202781
15,44	1,769496	121,735181	73,41757	0,907372	0,884415	2,577555	18,209563

15,46	1,671702	120,01138	134,117137	0,898835	0,880224	3,045525	18,212954
15,48	1,647346	106,44217	327,199566	0,904933	0,881421	2,712821	18,209563
15,5	1,813545	84,38967	438,77115	0,902494	0,88202	2,690024	18,206172
15,52	2,651418	68,6217	551,498915	0,899445	0,883817	2,590688	18,209563
15,54	4,676042	48,253069	710,47397	0,898835	0,874834	2,850878	18,226517
15,56	6,37439	39,812762	416,225597	0,887249	0,870642	2,619275	18,240081
15,58	8,08245	32,736871	327,199566	0,886639	0,872439	2,775006	18,257036
15,6	9,376426	31,59474	323,73102	0,892128	0,885613	2,693191	18,257036
15,62	10,318413	32,388497	341,651844	0,901274	0,88741	2,587517	18,246863
15,64	10,668619	36,609464	342,229935	0,899445	0,880822	2,652199	18,223126
15,66	10,865615	45,430075	341,073753	0,900665	0,882619	2,995228	18,209563
15,68	10,965476	62,340788	337,605206	0,903714	0,889206	2,550182	18,195999
15,7	6,944392	84,514986	257,250542	0,936642	0,892799	0,036668	16,646321
15,72	11,068235	72,936868	377,493492	0,941521	0,904776	2,600593	16,615802
15,74	11,194808	84,961794	356,104121	0,931764	0,901183	2,599524	16,602238
15,76	11,260523	91,592911	346,854664	0,936033	0,899985	2,613757	16,595456
15,78	11,335653	92,798088	343,386117	0,941521	0,901782	2,876495	16,602238
15,8	11,262504	93,685599	334,136659	0,947009	0,909567	2,728412	16,615802
15,82	11,116578	94,890573	322,574837	0,951278	0,908369	2,546414	16,625975
15,84	10,781091	96,821345	302,91974	0,946399	0,919148	2,613268	16,64293
15,86	10,516176	99,139757	285,577007	0,959815	0,92334	2,976449	16,653103
15,88	10,049745	100,266506	255,516269	0,965303	0,925136	2,65099	16,67684
15,9	8,885069	100,703001	195,394794	0,984816	0,919747	2,696498	16,71414
15,92	7,353978	98,851406	134,695228	0,987255	0,925735	2,556312	16,758223
15,94	5,220404	98,441162	80,354664	0,985426	0,920945	2,667099	16,805697
15,96	3,643232	93,41694	54,918655	0,985426	0,926933	2,955602	16,863344
15,98	2,613806	86,116527	41,62256	0,982377	0,944299	2,736275	16,92099
16	1,769554	79,48195	30,638829	0,998841	0,93891	2,767077	16,985419
16,02	1,315959	75,480012	23,701735	0,991524	0,929328	2,542343	17,06002
16,04	1,05825	57,456452	28,326464	0,994573	0,937712	3,066667	17,124449
16,06	0,966144	43,365478	42,200651	0,996402	0,937113	2,592612	17,192269
16,08	0,947402	32,605926	63,590022	0,985426	0,938311	2,80718	17,26687
16,1	0,967523	25,399063	98,853579	0,983597	0,944299	2,642441	17,351645
16,12	1,002751	17,81271	132,960954	0,978718	0,935916	2,671661	17,416073
16,14	1,043312	11,813872	165,912148	0,970181	0,935916	2,639709	17,460156
16,16	1,059667	9,305492	186,145336	0,967132	0,934718	2,995228	17,494066
16,18	1,029605	6,099143	209,847072	0,983597	0,937113	2,791264	17,527976
16,2	1,070688	5,49513	227,767896	0,996402	0,937113	2,632242	17,548321
16,22	1,119325	5,335891	245,110629	1,00189	0,937113	2,528454	17,558494
16,24	1,226891	5,90716	271,124729	1,019574	0,943102	2,877234	17,555103
16,26	1,327203	6,034471	276,327549	1,026892	0,950887	2,65099	17,548321
16,28	1,417818	6,764776	271,124729	1,050064	0,955677	2,904314	17,538149
16,3	1,466976	8,066352	258,984816	1,043966	0,956875	2,574881	17,524585
16,32	1,445661	9,654477	245,110629	1,035429	0,973642	2,570374	17,494066
16,34	1,42442	11,274532	234,126898	1,050674	0,99041	2,701244	17,460156
16,36	1,381042	12,830728	221,986985	1,064699	1,017358	2,890372	17,433028
16,38	1,274595	13,65845	209,847072	1,082383	1,050294	2,706268	17,385554
16,4	1,185174	12,487237	213,315618	1,094579	1,037119	2,670007	17,341472
16,42	1,107819	12,29912	229,502169	1,103726	1,038916	2,766013	17,304171
16,44	1,033205	10,652425	256,09436	1,103726	1,032927	2,665227	17,253306
16,46	1,016775	10,971515	271,70282	1,105555	1,023945	3,026491	17,222787
16,48	1,046986	11,830556	296,560738	1,100677	1,033526	2,608034	17,182096
16,5	1,199497	12,055485	324,887202	1,094579	1,032329	2,80718	17,134622
16,52	1,437885	13,550468	342,229935	1,098847	1,053887	2,593507	17,070193
16,54	1,404951	18,15418	322,574837	1,111043	1,068259	2,610091	17,012547
16,56	1,344622	23,13718	323,73102	1,128118	1,063468	2,995228	16,978637
16,58	1,206789	23,331401	341,651844	1,161656	1,058677	2,76792	16,914208
16,6	1,205539	19,051661	385,586768	1,184219	1,042509	2,736275	16,859953
16,62	1,28476	17,626844	421,428416	1,187877	1,03652	2,789454	16,812479
16,64	1,23687	19,310961	434,146421	1,186048	1,028137	2,507073	16,768396
16,66	1,179357	17,569089	525,484816	1,197024	1,017358	2,665227	16,717531
16,68	1,22141	14,556554	534,734273	1,203122	1,025142	2,944612	16,693795
16,7	1,446373	16,533963	538,20282	1,189097	1,082631	0,031947	15,462869
16,72	1,971841	15,677975	469,988069	1,193365	1,095207	2,880797	15,452696
16,74	2,641148	20,500106	469,409978	1,211049	1,095207	2,701009	15,456087
16,76	3,62344	31,667212	376,915401	1,214098	1,104189	2,645561	15,462869
16,78	3,984961	43,088735	204,066161	1,206781	1,111375	2,570435	15,459478
16,8	4,173062	53,177975	153,194143	1,204342	1,114369	2,659628	15,452696
16,82	4,27916	60,316503	137,007592	1,216538	1,126945	2,898823	15,449305
16,84	4,202052	55,55762	119,086768	1,222636	1,134131	2,720594	15,449305
16,86	4,165758	58,698076	104,056399	1,223855	1,150899	2,731952	15,456087

16,88	4,408908	67,009648	98,853579	1,228733	1,146108	2,549549	15,46626
16,9	4,92924	70,848074	106,946855	1,231173	1,156288	2,944147	15,476433
16,92	5,157932	77,002286	104,63449	1,229343	1,153294	2,66913	15,483215
16,94	5,277967	71,068324	98,853579	1,230563	1,159881	2,754755	15,503561
16,96	5,364415	59,899997	96,541215	1,227514	1,158085	2,67085	15,517124
16,98	5,530382	58,312889	94,22885	1,218977	1,158085	2,56689	15,530688
17	5,592734	61,072227	86,713666	1,221416	1,163474	2,944147	15,551034
17,02	5,546354	62,593442	79,776573	1,224465	1,167067	2,80718	15,57138
17,04	5,446813	58,530494	72,839479	1,218367	1,166468	2,57718	15,60529
17,06	5,082361	51,263638	61,855748	1,223855	1,162875	2,610091	15,632418
17,08	4,158872	44,758203	44,513015	1,218367	1,173056	2,614691	15,659546
17,1	3,502928	44,376068	39,888286	1,218977	1,179643	3,045525	15,683282
17,12	3,045976	51,86175	45,091106	1,212269	1,189823	2,772226	15,71041
17,14	2,700693	71,370934	52,606291	1,201903	1,19641	2,684529	15,747711
17,16	2,600082	87,200931	82,088937	1,214708	1,198806	2,599155	15,768057
17,18	2,533674	79,299964	97,119306	1,208	1,199404	3,017062	15,788403
17,2	2,269084	68,733209	91,338395	1,208	1,20659	2,619275	15,822313
17,22	2,06031	63,527111	132,960954	1,192146	1,216172	2,696769	15,873177
17,24	2,032691	57,655787	215,627983	1,18056	1,223957	2,538875	15,907087
17,26	2,142029	48,54883	285,577007	1,177511	1,214974	2,962519	15,940997
17,28	2,001734	41,058672	267,078091	1,172632	1,223957	2,706377	15,981689
17,3	1,737294	35,568465	290,201735	1,173852	1,231742	2,819438	16,008817
17,32	1,660815	33,218715	345,12039	1,177511	1,23773	2,56689	16,042726
17,34	2,080339	30,425006	460,738612	1,161656	1,240125	2,647219	16,073245
17,36	3,185244	30,645256	646,883948	1,165315	1,249108	2,809707	16,103764
17,38	4,143758	29,533425	281,530369	1,159217	1,250905	2,658564	16,127501
17,4	4,569742	28,738854	242,798265	1,15129	1,264678	2,712821	16,151238
17,42	4,643993	28,166567	234,126898	1,15007	1,265277	2,663358	16,171584
17,44	4,602656	32,79753	217,940347	1,156778	1,269468	2,54256	16,188538
17,46	4,101153	35,810675	179,208243	1,148241	1,274858	2,993216	16,202102
17,48	3,264934	35,080776	150,303688	1,14946	1,265875	2,791	16,205493
17,5	2,604744	36,856409	148,569414	1,157997	1,269468	2,685419	16,222448
17,52	2,206237	49,133514	171,693059	1,155558	1,269468	2,599155	16,236012
17,54	1,719558	66,422699	191,926247	1,15068	1,271265	2,693894	16,259749
17,56	1,48007	68,421226	283,264642	1,147631	1,280846	2,921499	16,26314
17,58	1,357771	69,467773	423,16269	1,15007	1,283841	2,728412	16,269922
17,6	1,294104	60,203407	496,002169	1,145802	1,301207	2,701244	16,276704
17,62	1,294029	50,495082	517,39154	1,145802	1,304201	2,735365	16,280095
17,64	1,335411	43,737061	557,279826	1,1519	1,312585	2,490458	16,286877
17,66	1,381753	36,788888	568,841649	1,157388	1,313783	2,962519	16,290268
17,68	1,379236	25,748075	572,310195	1,158607	1,306596	2,77455	16,293659
17,7	1,356057	24,52909	536,468547	1,178121	1,305399	0,026146	15,459478
17,72	1,246047	26,05173	515,657267	1,173242	1,335341	2,53488	15,462869
17,74	1,219249	26,908532	530,109544	1,175681	1,331149	3,031227	15,459478
17,76	1,172832	26,686451	526,062907	1,171413	1,340131	2,709595	15,459478
17,78	1,143591	26,845284	535,312364	1,17934	1,340131	2,639709	15,456087
17,8	1,111981	25,830462	521,438178	1,169584	1,353306	2,58113	15,449305
17,82	1,068081	25,10097	511,610629	1,169584	1,349713	2,939589	15,445914
17,84	1,043726	23,292798	517,39154	1,175681	1,353306	2,778987	15,442523
17,86	1,024107	21,769752	540,515184	1,170193	1,351509	2,670787	15,445914
17,88	1,014261	20,722594	589,074837	1,176901	1,353306	2,633807	15,449305
17,9	1,019072	18,18432	618,557484	1,168974	1,359294	2,841214	15,449305
17,92	1,043428	17,07371	631,275488	1,161656	1,348515	2,670787	15,456087
17,94	1,18031	17,042188	676,944685	1,165315	1,346719	2,701009	15,452696
17,96	2,025736	17,042595	722,613883	1,162266	1,310788	2,575621	15,445914
17,98	3,351524	19,961376	432,990239	1,154339	1,289829	2,624817	15,445914
18	4,542035	25,418636	445,130152	1,170803	1,275457	2,962519	15,439132
18,02	5,734657	25,10097	530,687636	1,174462	1,270666	2,653989	15,445914
18,04	6,977359	31,03188	415,069414	1,173852	1,297614	2,677691	15,476433
18,06	7,745884	45,435027	301,763557	1,175681	1,317974	2,563354	15,483215
18,08	8,379843	51,812541	254,938178	1,175072	1,320969	2,642441	15,473042
18,1	8,613727	59,300257	231,236443	1,18056	1,323963	2,91692	15,46626
18,12	8,4455	59,523559	201,175705	1,182999	1,323963	2,771036	15,445914
18,14	8,477198	50,831683	194,816703	1,186658	1,328753	2,674612	15,428959
18,16	8,916125	45,058589	214,4718	1,193975	1,334143	2,531966	15,412004
18,18	9,420038	44,869047	238,173536	1,194585	1,344922	3,01237	15,39844
18,2	10,388438	60,065951	273,437093	1,203122	1,341928	2,622393	15,395049
18,22	11,063373	72,628996	296,560738	1,20861	1,34612	2,535563	15,401831
18,24	11,475971	74,595391	310,434924	1,211049	1,346719	2,61207	15,412004
18,26	11,774436	54,321938	333,558568	1,225075	1,351509	2,932594	15,425568
18,28	11,844411	55,14559	342,229935	1,23849	1,3563	2,617355	15,442523

18,3	11,661911	59,744827	340,495662	1,245808	1,355701	2,687228	15,459478
18,32	11,522972	65,993402	339,91757	1,247027	1,354504	2,435247	15,483215
18,34	11,43488	70,274566	349,745119	1,251906	1,355102	2,967148	15,513733
18,36	11,26893	77,727912	355,52603	1,256174	1,349713	2,638096	15,551034
18,38	11,11475	80,104098	350,32321	1,255564	1,348515	2,632242	15,60529
18,4	10,931503	78,99064	341,651844	1,262882	1,341329	2,613268	15,656155
18,42	10,799551	81,907184	343,386117	1,26959	1,344323	2,971791	15,693455
18,44	10,873562	80,825045	354,947939	1,261662	1,337137	2,728732	15,751102
18,46	10,991135	76,56991	370,556399	1,26837	1,333544	2,617433	15,815531
18,48	11,166615	75,644976	385,586768	1,277517	1,331149	2,511757	15,896914
18,5	10,905512	70,91436	360,72885	1,277517	1,328155	2,907805	15,954561
18,52	10,090201	66,657801	298,873102	1,284834	1,328155	2,61453	16,042726
18,54	9,613638	68,651446	283,842733	1,281176	1,325759	2,705243	16,127501
18,56	9,450401	68,90037	291,936009	1,284225	1,325759	2,647219	16,208884
18,58	9,214876	70,925944	289,623644	1,289713	1,316777	2,822154	16,290268
18,6	8,803447	71,999741	270,546638	1,282395	1,319172	2,728412	16,371651
18,62	8,177709	68,346788	232,970716	1,288493	1,307794	2,647219	16,446253
18,64	7,510336	73,384897	211,581345	1,284834	1,317974	2,637465	16,551373
18,66	7,197628	74,204683	207,534707	1,271419	1,310189	2,467594	16,636148
18,68	7,210251	84,492009	393,680043	1,3263	1,282643	0,03202	16,500509
18,7	7,444135	77,449269	326,043384	1,315934	1,301806	2,685419	16,493727
18,72	7,227342	79,226122	257,828633	1,308616	1,301806	2,57718	16,490336
18,74	6,663636	81,415615	195,394794	1,315934	1,310189	2,560415	16,483554
18,76	5,658816	85,15927	130,070499	1,317763	1,310788	2,69703	16,483554
18,78	4,822821	80,495972	93,650759	1,312275	1,308393	2,78043	16,476772
18,8	4,015443	69,328052	79,776573	1,320202	1,310788	2,829418	16,483554
18,82	3,648656	67,772059	80,932755	1,314105	1,312585	2,650795	16,507291
18,84	3,257847	79,319062	71,105206	1,302518	1,313783	2,54256	16,527636
18,86	3,368317	83,632765	128,914317	1,306177	1,322765	2,649732	16,544591
18,88	3,204089	79,031494	101,165944	1,313495	1,327556	2,939961	16,561546
18,9	2,770139	87,754486	104,056399	1,306787	1,335341	2,615517	16,588674
18,92	2,92582	75,760269	127,180043	1,306787	1,341329	2,738906	16,619193
18,94	3,746802	76,583514	232,392625	1,309226	1,347317	2,539019	16,646321
18,96	5,032952	78,548892	324,309111	1,311056	1,357498	2,6485	16,673449
18,98	5,690112	78,102898	294,826464	1,306787	1,34612	2,778987	16,703967
19	4,86286	65,664315	179,208243	1,29825	1,343724	2,740223	16,737877
19,02	3,744191	53,035784	108,681128	1,29886	1,347916	2,748219	16,765005
19,04	2,80505	46,658067	72,839479	1,306177	1,364085	2,474584	16,778569
19,06	2,15484	44,34106	68,792842	1,306787	1,367079	2,531966	16,795524
19,08	1,683043	45,450652	86,713666	1,308616	1,36648	2,884518	16,812479
19,1	1,484787	45,544812	135,85141	1,309226	1,352707	2,693191	16,826043
19,12	1,389361	34,059634	250,89154	1,306177	1,3563	2,795027	16,832825
19,14	1,276759	26,413084	363,041215	1,300689	1,354504	2,670787	16,842998
19,16	1,26432	20,923895	469,988069	1,293372	1,348515	2,570435	16,853171
19,18	1,315549	18,290443	556,701735	1,281785	1,337736	2,564016	16,856562
19,2	1,581835	15,562017	649,196312	1,283615	1,328753	3,0166	16,856562
19,22	1,965535	15,245165	708,161605	1,282395	1,318573	2,775006	16,84978
19,24	1,821548	16,41943	634,744035	1,285444	1,326957	2,514135	16,842998
19,26	1,596866	18,037653	500,048807	1,289713	1,324562	2,709027	16,839607
19,28	1,252628	21,750193	458,426247	1,294591	1,334742	2,840038	16,826043
19,3	1,186965	18,419788	522,59436	1,301909	1,329352	2,638228	16,81587
19,32	1,148325	14,550451	639,368764	1,312275	1,337736	2,613061	16,795524
19,34	1,180457	13,187255	698,334056	1,313495	1,337137	2,685961	16,778569
19,36	1,264041	12,395532	752,67462	1,303128	1,34073	2,563833	16,754832
19,38	1,34259	14,649087	770,017354	1,308616	1,351509	2,930701	16,731095
19,4	1,333265	15,380003	766,548807	1,309836	1,353905	2,78298	16,717531
19,42	1,275156	15,698686	748,049892	1,305567	1,353306	2,677691	16,693795
19,44	1,341713	16,620365	761,345987	1,307397	1,356899	2,630035	16,666667
19,46	1,476526	18,556865	798,921909	1,299469	1,355102	2,731582	16,646321
19,48	1,682185	20,398187	803,546638	1,303738	1,349713	2,857391	16,619193
19,5	1,834472	24,746872	772,329718	1,301299	1,349713	2,712821	16,588674
19,52	1,952407	26,525353	711,052061	1,307397	1,344323	2,65099	16,558155
19,54	2,492981	31,03226	814,530369	1,331789	1,357498	2,54256	16,527636
19,56	2,671692	38,457135	685,616052	1,334837	1,355701	2,808007	16,510682
19,58	2,528078	35,254244	461,894794	1,333008	1,359294	2,720594	16,486945
19,6	1,978851	42,869678	271,70282	1,331179	1,358097	2,81534	16,466599
19,62	1,654604	47,598667	317,372017	1,333618	1,362887	2,720441	16,43608
19,64	1,545415	43,190803	402,929501	1,331789	1,379056	2,451728	16,40217
19,66	1,611973	39,194969	507,563991	1,348863	1,382649	3,024401	16,371651
19,68	1,749452	38,594008	587,918655	1,345204	1,379056	2,456159	16,344524
19,7	2,376838	49,706642	305,810195	1,346424	1,409597	0,028414	15,144117

19,72	2,042222	57,447962	223,143167	1,348253	1,407201	2,740223	15,140726
19,74	1,595228	54,561109	214,4718	1,342155	1,416184	2,539019	15,137335
19,76	1,399938	41,775983	350,901302	1,339106	1,419777	2,60557	15,130553
19,78	1,368179	37,302633	464,207158	1,334837	1,428759	2,876345	15,130553
19,8	1,351078	35,050095	548,030369	1,337886	1,434149	2,686799	15,130553
19,82	1,341231	32,162836	606,995662	1,336667	1,441934	2,712821	15,133944
19,84	1,311841	34,129637	650,930586	1,342765	1,457504	2,630159	15,137335
19,86	1,309323	30,60786	700,646421	1,341545	1,465887	2,889744	15,140726
19,88	1,316503	19,7572	745,737527	1,348863	1,466486	2,690401	15,147508
19,9	1,348187	15,949889	776,376356	1,350082	1,465289	2,708872	15,150899
19,92	1,392012	14,585269	805,280911	1,354961	1,466486	2,556312	15,157681
19,94	1,45553	14,997706	832,451193	1,366547	1,472475	2,895936	15,161072
19,96	1,609439	15,378417	853,262473	1,364108	1,477265	2,649732	15,157681
19,98	1,807322	16,584	874,651844	1,381182	1,478463	2,755269	15,157681
20	2,073832	16,425981	782,157267	1,400085	1,47487	2,576387	15,147508
20,02	4,714939	20,582683	1098,373102	1,435453	1,477265	2,720441	15,137335
20,04	8,206431	23,659891	630,697397	1,44582	1,465289	2,839588	15,140726
20,06	10,580644	29,78197	294,826464	1,44521	1,465289	2,624038	15,157681
20,08	11,542276	36,285777	342,808026	1,448869	1,460498	2,577555	15,157681
20,1	13,239627	47,389634	474,034707	1,457406	1,448521	2,611643	15,161072
20,12	14,827478	60,428161	600,636659	1,451918	1,458103	2,857391	15,174635
20,14	16,473834	78,257906	659,601952	1,455577	1,453911	2,662368	15,178026
20,16	18,377745	98,256982	757,299349	1,458016	1,457504	2,620807	15,174635
20,18	19,499574	105,715256	804,70282	1,458626	1,455707	2,500707	15,178026
20,2	20,121012	85,01491	831,295011	1,461674	1,447323	2,853381	15,188199
20,22	20,390112	68,230695	819,733189	1,458626	1,440137	2,639709	15,208545
20,24	20,669001	65,374347	400,617137	1,458016	1,432352	2,563354	15,2255
20,26	21,042447	63,152111	423,740781	1,456186	1,429957	2,757746	15,25941
20,28	20,994965	64,829921	391,94577	1,464723	1,429957	2,811254	15,310275
20,3	20,746004	70,251589	378,649675	1,465943	1,43355	2,489716	15,367921
20,32	20,903027	76,531077	413,335141	1,464114	1,435946	2,583639	15,405222
20,34	21,970388	84,554675	455,535792	1,4757	1,428759	2,736828	15,46626
20,36	22,909045	86,201369	468,253796	1,472041	1,436544	2,634416	15,506952
20,38	23,944614	81,343646	421,428416	1,479968	1,423969	2,437424	15,567989
20,4	24,341299	81,846987	380,962039	1,467163	1,416184	2,626521	15,6392
20,42	24,550776	82,984236	356,104121	1,467772	1,416184	3,004862	15,720583
20,44	24,390843	83,041991	354,369848	1,470821	1,410195	2,579532	15,815531
20,46	23,830007	82,90878	332,402386	1,477529	1,41798	2,769893	15,920651
20,48	22,860684	78,078714	203,488069	1,482407	1,408399	2,467345	16,049508
20,5	22,195726	74,29784	211,581345	1,489115	1,409597	2,83077	16,141065
20,52	21,255095	71,972898	233,548807	1,489725	1,398219	2,628652	16,290268
20,54	19,979947	71,68004	219,67462	1,489115	1,389236	2,574881	16,412343
20,56	17,608787	77,095605	162,443601	1,490335	1,386242	2,667099	16,571719
20,58	15,288846	85,367109	138,163774	1,469602	1,398818	2,852027	16,751441
20,6	13,071269	81,647246	98,275488	1,461674	1,399416	2,697094	16,853171
20,62	10,013817	79,195807	63,590022	1,462284	1,399416	2,862223	16,995592
20,64	6,499094	79,439034	35,263557	1,470212	1,388637	2,467345	17,171923
20,66	4,497997	88,820335	27,170282	1,461674	1,394626	2,615667	17,331299
20,68	1,773395	16,349657	135,273319	1,56229	1,317376	0,023295	17,477111
20,7	2,951293	77,010573	197,129067	1,56412	1,326358	2,595721	17,460156
20,72	2,602168	95,412198	208,690889	1,561681	1,322166	2,56689	17,449983
20,74	2,079516	117,205795	202,331887	1,558022	1,332945	2,579403	17,443201
20,76	1,832848	116,892617	230,08026	1,56351	1,328155	2,826381	17,43981
20,78	1,81819	101,69362	459,004338	1,557412	1,326358	2,677691	17,43981
20,8	1,849725	83,546716	562,482646	1,548875	1,331748	2,628652	17,449983
20,82	1,773619	72,695445	575,778742	1,556192	1,339533	2,538875	17,466938
20,84	1,765842	61,082549	594,277657	1,545216	1,337137	3,017062	17,487284
20,86	1,774943	37,476657	597,746204	1,53302	1,338335	2,611376	17,517803
20,88	1,718008	22,151018	620,291757	1,541557	1,338934	2,643459	17,551712
20,9	1,727332	12,663757	667,117137	1,535459	1,340131	2,543661	17,572058
20,92	1,939798	11,902132	757,299349	1,523873	1,345521	2,930516	17,57884
20,94	2,266712	9,775277	796,031453	1,508019	1,359294	2,622393	17,595795
20,96	2,789663	8,665278	705,849241	1,495823	1,352707	2,658564	17,589013
20,98	3,2418	10,727664	609,308026	1,500701	1,353306	2,647219	17,585622
21	3,321691	19,421575	516,813449	1,526313	1,356899	2,637465	17,568667
21,02	2,944243	26,40188	368,244035	1,528142	1,344323	2,81108	17,555103
21,04	2,541372	30,368227	302,341649	1,53302	1,345521	2,712821	17,548321
21,06	2,077576	30,94031	272,280911	1,515336	1,331149	2,653989	17,531367
21,08	2,051225	35,668892	417,381779	1,508629	1,335341	2,639709	17,50763
21,1	2,047011	39,382652	524,906725	1,518995	1,328753	2,66293	17,477111
21,12	1,825295	32,245955	442,239696	1,511678	1,327556	2,81108	17,449983

21,14	1,498605	27,869613	412,178959	1,518995	1,326957	2,732337	17,419464
21,16	1,418881	21,653781	591,965293	1,53363	1,326358	2,701244	17,378772
21,18	1,444206	17,182872	723,191974	1,539118	1,312585	2,680905	17,338081
21,2	1,569545	16,518663	775,798265	1,547655	1,315579	2,524952	17,304171
21,22	1,719239	14,902474	799,5	1,56229	1,304201	2,869129	17,273652
21,24	1,873894	14,555523	786,203905	1,548265	1,311986	2,752137	17,239742
21,26	2,035952	16,048878	701,802603	1,556802	1,307195	2,735811	17,202442
21,28	2,166103	21,729643	672,898048	1,554973	1,314381	2,644811	17,171923
21,3	2,193871	26,39579	564,795011	1,575706	1,32516	2,537903	17,131231
21,32	2,145682	28,523256	550,342733	1,572657	1,319771	3,019037	17,100712
21,34	2,090389	30,524428	552,655098	1,565949	1,328753	2,712821	17,06002
21,36	1,795756	26,402708	657,289588	1,56412	1,33594	2,570374	17,015938
21,38	1,940863	24,596977	715,67679	1,554973	1,351509	2,58831	16,971855
21,4	2,723293	26,851346	879,276573	1,551314	1,361091	2,939589	16,934554
21,42	3,435406	25,172926	749,206074	1,570827	1,365881	2,703004	16,890471
21,44	3,54948	30,092677	539,359002	1,585463	1,359294	2,791	16,853171
21,46	3,179216	30,348722	404,663774	1,578145	1,358695	2,560415	16,81587
21,48	2,704961	29,399387	345,12039	1,579974	1,358097	2,620807	16,775178
21,5	2,202375	31,971015	268,812364	1,587292	1,362887	2,953304	16,741268
21,52	1,922102	34,098481	305,232104	1,583633	1,357498	2,689299	16,71414
21,54	1,903528	36,068131	483,284165	1,585463	1,358097	2,703167	16,670058
21,56	1,931222	29,978998	612,198482	1,599488	1,357498	2,62112	16,632757
21,58	1,770805	24,873368	506,407809	1,598878	1,367079	2,641133	16,595456
21,6	1,483202	22,337128	491,37744	1,600098	1,360492	2,902891	16,558155
21,62	1,413176	24,877438	590,809111	1,603147	1,359893	2,708872	16,527636
21,64	1,611656	20,945055	781,001085	1,614123	1,364684	2,654772	16,500509
21,66	1,876394	19,234299	843,434924	1,619611	1,361091	2,649732	16,459817
21,68	1,950281	17,681358	649,196312	1,628148	1,356899	2,546111	16,432689
21,7	1,951981	23,533394	560,748373	1,600098	1,397021	0,031586	15,133944
21,72	1,847006	27,340704	500,048807	1,595219	1,403608	2,493067	15,130553
21,74	1,749361	26,833293	526,640998	1,590951	1,399416	2,797491	15,127162
21,76	1,698133	26,611416	595,433839	1,598878	1,401213	2,736757	15,123771
21,78	1,705686	27,056188	658,44577	1,590951	1,412591	2,610091	15,113598
21,8	1,615444	28,928423	702,380694	1,600707	1,410794	2,596512	15,106816
21,82	1,581242	26,041367	742,26898	1,601927	1,410794	2,871906	15,106816
21,84	1,598343	28,357357	771,751627	1,606195	1,410195	2,724497	15,106816
21,86	1,542303	24,29685	735,331887	1,619001	1,417382	2,690024	15,100034
21,88	1,776905	18,332586	868,870933	1,641564	1,41798	2,597776	15,096643
21,9	1,99892	16,459945	838,810195	1,648881	1,445527	2,822006	15,116989
21,92	1,891129	17,252279	680,413232	1,654369	1,467085	2,706268	15,123771
21,94	1,739664	20,742126	529,531453	1,650101	1,491039	2,728412	15,123771
21,96	1,612628	26,674867	518,547722	1,661077	1,488643	2,584715	15,123771
21,98	1,588273	25,310858	650,930586	1,675712	1,492835	2,877949	15,116989
22	1,634913	25,882534	701,224512	1,68181	1,494632	2,681549	15,110207
22,02	1,661562	23,026594	708,161605	1,691567	1,500021	2,673843	15,12038
22,04	1,754471	25,62832	677,522777	1,696445	1,51619	2,529059	15,116989
22,06	1,906011	31,402635	676,366594	1,686688	1,532957	2,510599	15,113598
22,08	2,05992	32,132331	671,163774	1,694616	1,543736	2,955037	15,113598
22,1	2,086644	33,940299	546,296095	1,696445	1,564097	2,712821	15,12038
22,12	1,998621	39,650756	453,801518	1,707421	1,583859	2,641133	15,123771
22,14	1,817989	40,666391	435,880694	1,714129	1,594638	2,583639	15,116989
22,16	1,708129	39,77827	448,020607	1,722666	1,59344	3,002331	15,113598
22,18	1,600637	40,793498	446,864425	1,725715	1,604818	2,608034	15,113598
22,2	1,492996	40,253751	453,801518	1,744619	1,617992	2,636223	15,12038
22,22	1,41482	39,682685	521,438178	1,742789	1,631766	2,563354	15,12038
22,24	1,356113	36,382989	585,0282	1,743399	1,63476	2,926093	15,123771
22,26	1,446355	30,196034	653,24295	1,750107	1,650928	2,732337	15,130553
22,28	1,524382	28,482429	728,394794	1,761693	1,675481	2,712821	15,137335
22,3	1,504987	26,579283	761,345987	1,762912	1,698836	2,455345	15,130553
22,32	1,482851	25,373292	722,035792	1,762303	1,717998	2,876495	15,137335
22,34	1,456052	26,547353	725,504338	1,768401	1,735963	2,619275	15,133944
22,36	1,502395	28,70451	739,378525	1,779377	1,75333	2,606436	15,137335
22,38	1,675773	32,447962	766,548807	1,784865	1,767103	2,5378	15,140726
22,4	1,707457	34,541667	698,334056	1,786694	1,784469	2,971791	15,144117
22,42	1,714712	38,697555	575,778742	1,782426	1,805429	2,776279	15,147508
22,44	1,599816	53,418164	549,186551	1,794012	1,828185	2,728797	15,150899
22,46	1,489807	58,208569	605,261388	1,797061	1,83058	2,415475	15,15429
22,48	1,360104	55,923695	668,273319	1,794622	1,841359	2,871982	15,164463
22,5	1,37217	50,751968	731,863341	1,796451	1,853336	2,639709	15,171244
22,52	1,450122	48,054657	809,90564	1,786085	1,864714	2,659628	15,181417
22,54	1,579078	43,008817	876,386117	1,787914	1,865313	2,800987	15,205154

22,56	1,720474	36,6311	841,12256	1,790353	1,868307	2,775006	15,218718
22,58	1,891334	31,903535	739,378525	1,785475	1,8719	2,619275	15,2255
22,6	1,976541	34,789777	630,697397	1,781206	1,873097	2,720441	15,239064
22,62	1,846987	43,704548	490,799349	1,772059	1,880882	2,581555	15,242455
22,64	1,678272	50,43003	470,566161	1,787304	1,88208	2,8289	15,249237
22,66	1,634074	50,81013	535,890456	1,780596	1,890464	2,606876	15,25941
22,68	0,875496	-3,062246	562,482646	1,750717	1,925196	0,027336	14,760936
22,7	1,935757	38,689023	543,983731	1,753765	1,932382	2,78043	14,760936
22,72	2,035994	43,099125	565,373102	1,758034	1,928191	2,70954	14,757545
22,74	2,109284	45,319937	545,139913	1,763522	1,939568	2,46893	14,757545
22,76	2,118982	47,12811	556,701735	1,771449	1,925795	2,822154	14,757545
22,78	2,099512	48,365623	545,139913	1,776328	1,935377	2,662368	14,757545
22,8	2,148521	46,240395	606,41757	1,790963	1,923999	2,608034	14,750763
22,82	2,371058	47,795574	659,023861	1,790353	1,911423	2,578585	14,74059
22,84	2,507791	51,285218	676,366594	1,797061	1,909627	2,903268	14,743981
22,86	2,541695	50,459531	643,415401	1,803769	1,906034	2,78298	14,757545
22,88	2,551094	53,028311	537,046638	1,811696	1,902441	2,571058	14,7745
22,9	2,46529	58,389172	474,034707	1,812306	1,900045	2,583639	14,788064
22,92	2,357425	63,147038	443,97397	1,825721	1,898249	2,83502	14,805019
22,94	2,308192	65,23993	448,020607	1,82999	1,906034	2,724497	14,821974
22,96	2,320184	65,715208	523,750542	1,834258	1,913818	2,507073	14,832146
22,98	2,442035	63,842566	603,527115	1,840356	1,929987	2,659873	14,84571
23	2,532202	67,649062	612,776573	1,848283	1,931185	2,848462	14,855883
23,02	2,629474	71,137689	652,664859	1,855601	1,932981	2,677691	14,876229
23,04	2,616812	67,868702	540,515184	1,852552	1,945557	2,569713	14,896575
23,06	2,443061	60,317127	523,172451	1,85987	1,956336	2,503557	14,910139
23,08	2,242213	55,303012	522,016269	1,85743	1,956935	2,910117	14,933876
23,1	2,136865	49,401183	630,697397	1,870236	1,963522	2,701244	14,94744
23,12	2,116948	45,97377	700,646421	1,879383	1,970109	2,559828	14,964395
23,14	2,177576	42,926864	741,112798	1,883042	1,99047	2,880193	14,984741
23,16	2,118645	42,989502	741,690889	1,899506	1,996458	2,705092	14,998305
23,18	1,983684	42,163001	662,492408	1,898896	2,003644	2,619275	15,025432
23,2	1,944074	46,983912	720,87961	1,914141	2,001848	2,403222	15,049169
23,22	2,046307	43,873758	830,71692	1,906824	2,001848	3,035978	15,069515
23,24	2,175338	42,159339	814,530369	1,911702	2,01083	2,676562	15,08647
23,26	2,270092	44,283549	734,175705	1,903775	2,001848	2,628524	15,110207
23,28	2,274456	52,118419	664,804772	1,902555	1,99526	2,594228	15,133944
23,3	2,300658	56,494761	663,64859	1,919019	1,995859	2,8205	15,164463
23,32	2,366022	60,395418	657,867679	1,919629	1,997057	2,689299	15,19159
23,34	2,399702	65,628765	642,259219	1,926337	1,995859	2,453116	15,215327
23,36	2,379785	70,576986	609,308026	1,925727	1,997057	2,890372	15,235673
23,38	2,325591	79,617644	587,918655	1,919629	1,994662	2,619275	15,252628
23,4	2,28613	82,694037	602,949024	1,919629	2,002447	2,658564	15,269583
23,42	2,202695	82,69302	578,091106	1,922678	1,99526	2,660651	15,286538
23,44	2,146133	80,661546	646,883948	1,91841	2,003644	2,777819	15,310275
23,46	2,145686	73,997889	700,06833	1,928166	2,004243	2,642052	15,323839
23,48	2,145163	69,078952	740,534707	1,9178	2,009034	2,59553	15,347575
23,5	2,10311	63,747578	727,238612	1,928166	2,011429	2,531966	15,371312
23,52	2,083119	58,670215	720,301518	1,924508	2,01622	2,912538	15,391658
23,54	2,094811	54,131989	720,301518	1,921459	2,019214	2,660399	15,415395
23,56	2,069934	53,559703	773,4859	1,923898	2,024604	2,619275	15,435741
23,58	2,081776	49,402594	755,565076	1,927557	2,0264	2,740292	15,452696
23,6	2,039723	50,384672	707,005423	1,925117	2,029394	2,791	15,476433
23,62	1,975906	52,953655	694,86551	1,931215	2,034784	2,496554	15,489997
23,64	1,875296	53,967663	720,87961	1,928166	2,046761	2,575621	15,510342
23,66	1,811148	53,078524	752,096529	1,939752	2,043168	2,949279	15,523906
23,68	1,757286	47,810806	780,422993	1,936094	2,047958	2,351111	15,544252
23,7	1,756634	46,541581	826,670282	1,979389	2,03658	0,036309	15,01865
23,72	1,77381	42,290515	813,952278	1,984877	2,043766	2,534931	15,015259
23,74	1,830073	39,784373	842,856833	1,983658	2,047359	2,504142	15,011868
23,76	1,810604	39,848029	837,075922	1,978169	2,035981	2,898823	15,008477
23,78	1,871679	38,356912	823,779826	1,979999	2,038377	2,596888	15,008477
23,8	1,869311	38,515745	818,577007	1,983658	2,038976	2,63597	15,005086
23,82	1,832666	36,707369	798,921909	1,983658	2,032388	2,587517	15,005086
23,84	1,732354	37,246302	737,066161	1,974511	2,029993	2,867481	15,011868
23,86	1,666243	34,73955	760,767896	1,981218	2,033586	2,701009	15,01865
23,88	1,592879	30,837063	802,390456	1,972071	2,029993	2,620807	15,022041
23,9	1,570817	28,457417	848,637744	1,974511	2,039574	2,535488	15,025432
23,92	1,573335	27,061682	886,213666	1,967193	2,037778	2,906342	15,022041
23,94	1,663875	25,66615	941,132321	1,989755	2,043168	2,62112	15,015259
23,96	2,094365	23,890924	1034,204989	2,011098	2,049755	2,61177	14,991523

23,98	3,125459	23,827879	850,372017	2,049515	2,046761	2,569713	14,984741
24	3,838181	25,634627	591,387202	2,052564	2,065923	2,962519	15,011868
24,02	5,545944	34,738126	619,135575	2,053174	2,098859	2,631793	15,042387
24,04	7,42817	42,480057	529,531453	2,053174	2,111435	2,685419	15,028823
24,06	8,642926	50,031632	478,081345	2,059882	2,107842	2,445255	15,015259
24,08	8,91529	49,14351	372,868764	2,06537	2,10365	2,802558	15,011868
24,1	9,431102	43,496709	424,896963	2,070858	2,113232	2,795027	15,005086
24,12	10,366045	40,167119	446,286334	2,077566	2,115627	2,603795	14,977959
24,14	10,213431	51,494278	318,5282	2,076346	2,095266	2,70147	14,961004
24,16	9,739535	56,885034	259,562907	2,103787	2,118621	2,665227	15,022041
24,18	9,548353	71,476705	239,329718	2,105006	2,138982	2,609702	15,042387
24,2	7,999553	89,911074	139,898048	2,103787	2,147365	2,578523	15,015259
24,22	6,29323	88,990209	94,806941	2,101957	2,15036	2,678322	15,028823
24,24	5,690671	94,668736	90,182213	2,112324	2,151557	2,535563	15,035605
24,26	4,953098	90,448583	69,370933	2,113544	2,147964	2,962519	15,045778
24,28	3,906718	89,653808	51,450108	2,126959	2,150958	2,690024	15,072906
24,3	3,28677	101,20704	48,559653	2,122081	2,159342	2,62112	15,103425
24,32	2,694428	93,488367	44,513015	2,125739	2,16054	2,608482	15,144117
24,34	2,155999	79,082169	59,543384	2,1233	2,163534	2,768326	15,188199
24,36	1,94508	71,497444	161,86551	2,109885	2,161139	2,657457	15,2255
24,38	2,007628	54,362819	361,885033	2,110495	2,162935	2,599524	15,269583
24,4	2,580688	51,441189	602,370933	2,108055	2,168924	2,546111	15,317057
24,42	2,995103	48,266159	643,993492	2,122081	2,171319	3,08102	15,357748
24,44	3,321019	48,834173	564,21692	2,119641	2,176708	2,619275	15,408613
24,46	3,283607	44,357364	511,032538	2,136106	2,191081	2,625519	15,46626
24,48	3,215018	42,704566	471,722343	2,130008	2,19647	2,504142	15,517124
24,5	2,941692	42,701717	413,335141	2,118422	2,199464	2,768326	15,57138
24,52	2,693979	41,144504	422,584599	2,117812	2,195272	2,803117	15,608681
24,54	2,414583	37,176326	416,225597	2,117202	2,19647	2,492235	15,649373
24,56	2,09869	36,983936	469,409978	2,107446	2,210842	2,644811	15,683282
24,58	2,017101	32,698296	590,809111	2,106226	2,207848	2,662114	15,727365
24,6	1,896798	29,52408	620,869848	2,101348	2,201261	2,981122	15,754493
24,62	1,883911	29,998137	687,928416	2,097079	2,203057	2,728412	15,785012
24,64	1,810024	30,694479	767,704989	2,111714	2,203057	2,478848	15,81214
24,66	2,261457	28,884679	890,260304	2,122081	2,213836	2,655908	15,835877
24,68	4,503868	34,467011	1160,22885	2,12391	2,215034	2,647493	15,859613
24,7	6,439121	41,899428	406,976139	2,173303	2,211441	0,036542	15,188199
24,72	11,090078	59,126992	235,28308	2,174523	2,215034	2,404914	15,181417
24,74	11,959581	61,379937	244,532538	2,172693	2,203057	2,54256	15,174635
24,76	11,080663	52,148111	155,506508	2,166596	2,207249	2,599155	15,167854
24,78	9,059145	45,0106	97,119306	2,164156	2,205453	2,79333	15,15429
24,8	6,840017	45,391717	71,105206	2,164766	2,200662	2,736275	15,147508
24,82	5,316827	56,717046	81,510846	2,178791	2,216232	2,570374	15,161072
24,84	4,704405	80,288363	117,352495	2,180011	2,225813	2,584715	15,178026
24,86	4,005536	108,942881	138,163774	2,190987	2,220424	2,59553	15,181417
24,88	3,383551	125,958676	186,145336	2,194036	2,22222	2,867326	15,194981
24,9	3,020223	127,210981	275,171367	2,190987	2,228209	2,654772	15,215327
24,92	2,623637	121,975274	350,901302	2,200744	2,236592	2,634416	15,252628
24,94	2,300639	107,464291	399,460954	2,21172	2,243179	2,725246	15,279756
24,96	2,128734	92,589666	490,221258	2,203183	2,247371	2,680371	15,317057
24,98	1,995842	80,245651	587,340564	2,206232	2,243778	2,681549	15,361139
25	1,89456	59,874578	652,664859	2,201354	2,239586	2,514858	15,412004
25,02	1,800682	45,531629	742,26898	2,217818	2,23779	3,026643	15,459478
25,04	1,694514	39,246851	757,299349	2,21233	2,244976	2,425396	15,510342
25,06	1,651715	36,134255	751,518438	2,217208	2,255156	2,608603	15,567989
25,08	1,616469	38,479122	789,09436	2,217208	2,258749	2,517977	15,615463
25,1	1,618016	37,334549	854,418655	2,210501	2,258749	2,850878	15,656155
25,12	1,619713	30,5749	837,075922	2,206842	2,259348	2,689299	15,690064
25,14	1,640954	32,730226	778,68872	2,216599	2,262941	2,689766	15,723974
25,16	1,574173	35,615044	837,654013	2,215379	2,270726	2,557979	15,761275
25,18	1,615331	30,759965	836,497831	2,21111	2,267732	2,879961	15,77823
25,2	1,627024	33,772501	865,980477	2,220867	2,261145	2,583265	15,801967
25,22	1,714449	30,50331	916,852495	2,226965	2,264738	2,626952	15,825704
25,24	1,530478	23,585032	875,808026	2,228185	2,232999	1,306761	15,859613

OPERE COMPLEMENTARI AL PASSANTE DI MESTRE		
PROGETTO DEFINITIVO	Progettazione: Elaborato:	ZOLLET INGEGNERIA S.r.l. BRETELLA DI COLLEGAMENTO TRA LA STAZIONE DI MARTELLAGO-SCORZE' E LA S.P. N. 39 "Moglianese" Integrazione geologica e geotecnica

Allegato 3

Prove di permeabilità

Codice elaborato: 2A010202A.doc	Revisione:	0
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COMMITTENTE Veneto Strade SpA
CANTIERE Scorzè (VE)
DESCRIZIONE PROVA A CARICO VARIABILE PER IMMISSIONE
SONDAGGIO N. S
1 **PROVA N. 1** **PROFONDITA' m** **4.0-4.5**

PROVA DI PERMEABILITA' LEFRANC

data 07/04/2017 10.30
 Diametro del foro 127 mm
 Profondità del foro 4.50 m
 Altezza del rivestimento da p.c. 0.62 m
 Tratto di terreno interessato dalla prova da 4.00 m 4.50 m
 Profondità livello statico della falda da p.c. 1.57 m
 Carico idraulico iniziale 2.19 m

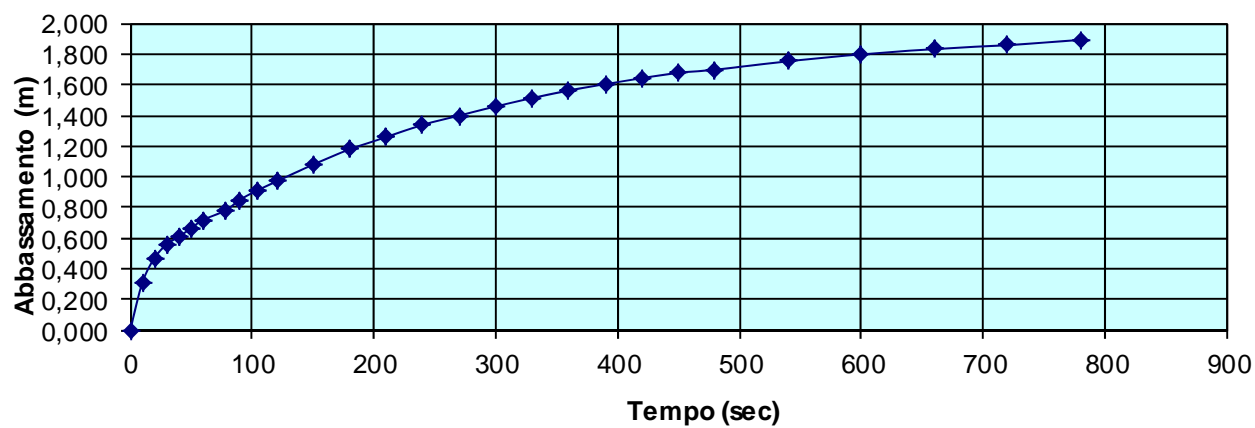


Tempi	Abbassamenti	ΔH	ΔT	Altezza H_0 iniz	H_2	t_2-t_1	$A \cdot \ln (H_1/H_2) / C$	K (m/s)
0	0,000	0,000	0	2,190	2,190	0	0,00E+00	
10	0,310	0,310	10	2,190	1,880	10	1,02E-03	1,02E-04
20	0,470	0,160	10	2,190	1,720	10	5,92E-04	5,92E-05
30	0,560	0,090	10	2,190	1,630	10	3,58E-04	3,58E-05
40	0,610	0,050	10	2,190	1,580	10	2,07E-04	2,07E-05
50	0,665	0,105	20	2,190	1,525	20	2,36E-04	1,18E-05
60	0,720	0,055	10	2,190	1,470	10	2,44E-04	2,44E-05
78	0,780	0,060	18	2,190	1,410	18	2,77E-04	1,54E-05
90	0,850	0,070	12	2,190	1,340	12	3,39E-04	2,82E-05
105	0,915	0,065	15	2,190	1,275	15	3,31E-04	2,21E-05
120	0,970	0,055	15	2,190	1,220	15	2,94E-04	1,96E-05
150	1,080	0,110	30	2,190	1,110	30	6,29E-04	2,10E-05
180	1,180	0,100	30	2,190	1,010	30	6,28E-04	2,09E-05
210	1,260	0,080	30	2,190	0,930	30	5,49E-04	1,83E-05
240	1,340	0,080	30	2,190	0,850	30	5,99E-04	2,00E-05
270	1,400	0,060	30	2,190	0,790	30	4,87E-04	1,62E-05
300	1,460	0,060	30	2,190	0,730	30	5,26E-04	1,75E-05
330	1,515	0,055	30	2,190	0,675	30	5,21E-04	1,74E-05
360	1,565	0,050	30	2,190	0,625	30	5,12E-04	1,71E-05
390	1,605	0,040	30	2,190	0,585	30	4,40E-04	1,47E-05
420	1,645	0,040	30	2,190	0,545	30	4,71E-04	1,57E-05
450	1,680	0,035	30	2,190	0,510	30	4,42E-04	1,47E-05
480	1,700	0,020	30	2,190	0,490	30	2,66E-04	8,88E-06
540	1,755	0,055	60	2,190	0,435	60	7,92E-04	1,32E-05
600	1,800	0,045	60	2,190	0,390	60	7,27E-04	1,21E-05
660	1,835	0,035	60	2,190	0,355	60	6,26E-04	1,04E-05
720	1,860	0,025	60	2,190	0,330	60	4,86E-04	8,10E-06
780	1,895	0,035	60	2,190	0,295	60	7,46E-04	1,24E-05
900	1,920	0,025	120	2,190	0,270	120	5,89E-04	4,91E-06
1020	1,940	0,020	120	2,190	0,250	120	5,12E-04	4,27E-06
1200	1,960	0,020	180	2,190	0,230	180	5,55E-04	3,08E-06
1500	1,970	0,010	300	2,190	0,220	300	2,96E-04	9,86E-07

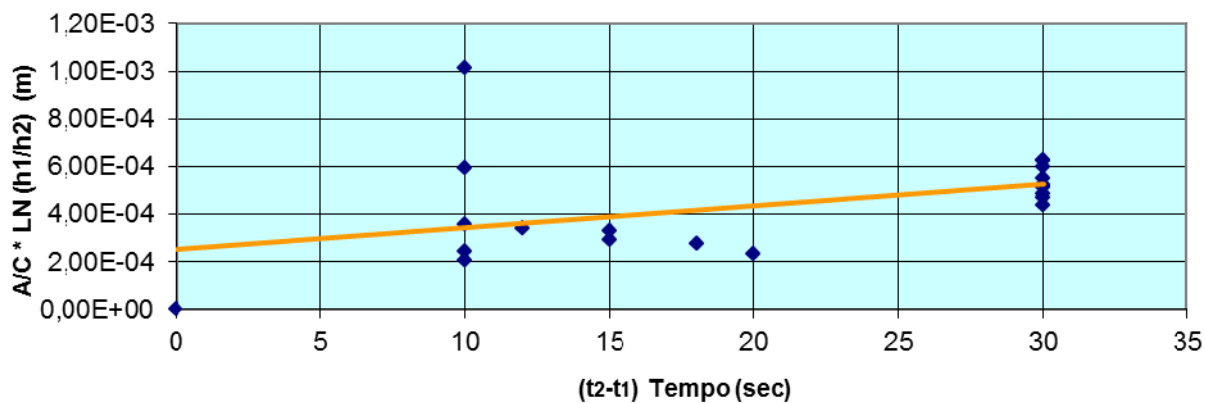
$$k = (A/C \cdot (t_2 - t_1)) \cdot \ln (h_1/h_2)$$

Area di base della tasca filtrante (m ²)	A	0.0127
Coefficiente di forma (m)	C	1,9031
Altezza dei livelli d'acqua nel foro rispetto al livello di falda indisturbato (m)	h_1 e h_2	
Tempi ai quali si misurano h_1 e h_2 (sec)	t_1 e t_2	
Coefficiente di permeabilità (m/sec)	k	2.56E-05

Diagramma Tempi-Abbassamenti



Tempo / $A/C * LN(h_1/h_2)$



OPERE COMPLEMENTARI AL PASSANTE DI MESTRE		
PROGETTO DEFINITIVO	Progettazione: Elaborato:	ZOLLET INGEGNERIA S.r.l. BRETELLA DI COLLEGAMENTO TRA LA STAZIONE DI MARTELLAGO-SCORZE' E LA S.P. N. 39 "Moglianese" Integrazione geologica e geotecnica

Allegato 4

Prove di laboratorio

Codice elaborato: 2A010202A.doc	Revisione:	0
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Spett. le **Centro Studi Geotecnici Srl**
Via Crema, 1/C
35142 Padova

OGGETTO: Vostro ordine del 08.04.2017

Si trasmettono in allegato i Rapporti di Prova relativi alle seguenti analisi e prove:

Codice	Descrizione	Quantità
GEO004	Estrusione campione da fustella cilindrica comprensiva di descrizione macroscopica e documentazione fotografica (prova certificata dal Ministero delle Infrastrutture e dei Trasporti).	1
GEO008	Granulometria mediante setacciatura meccanica con setacci e crivelli secondo UNI CEN ISO/TS 17892-4; CNR 23/71 (prova certificata dal Ministero delle Infrastrutture e dei Trasporti).	1
GEO031	Proprietà indice e classificazione (granulometria con setacci, limiti di Atterberg, umidità naturale "U%", massa volumica reale "Gs", massa volumica apparente " γ_{app} ", indice dei vuoti "e", porosità "n", grado di saturazione "Sr") (prova certificata dal Ministero delle Infrastrutture e dei Trasporti),	1
GEO043	Consolidazione edometrica di una terra ciclo singolo (cella ϕ : 52,47mm; 7 gradini di carico; 3 gradini di scarico) (comprende: e, γ_{nat} , Gs, pocket e torvane) secondo ASTM D 2435-80 / AGI '94 (prova certificata dal Ministero delle Infrastrutture e dei Trasporti),	1
GEO051	Prova di compressione triassiale non consolidata non drenata (UU) (Comprende granulometria, limiti Atterberg, classificazione, e, γ_{nat} , Gs, U%, pocket e torvane) secondo ASTM D 2850-87 / AGI '94 (prova certificata dal Ministero delle Infrastrutture e dei Trasporti),	1

A disposizione per eventuali chiarimenti cogliamo l'occasione per porgere cordiali saluti.





Richiedente: Centro Studi Geotecnici S.a.s

Via Cremona, 1/C

35142 Padova

CERTIFICATO DI PROVA n. 17CA11618

Data emissione certificato: 18.04.2017

Sigla campione: S1 C1

Descrizione campione: Limo sabbioso (0,0-21,0cm)
Limo argilloso (21,0-53,0cm)

Provenienza campione: Via Cimitero, Comune di Scorzè (VE)

Descrizione prova e metodo analitico: Fustella prelevata tra la profondità di -16,65m e -17,25m dal p.c.
Estrusione di campione indisturbato da fustella D: 85mm (metodo interno di prova)

Strumentazione utilizzata: Estrusore oliodinamico (N.Int.A-48), penetrometro tascabile a cursore (N.Int.N-291)
scissometro tascabile ad infissione (N.Int.N-212), vetreria ed attrezzi vari da laboratorio.

Prelievo effettuato/procedura campionamento: A cura del Committente

Anomalie riscontrate: Nessuna

Accettazione campione: 10.04.2017 **Inizio prove:** 10.04.2017 **Fine prove:** 18.04.2017

Il presente certificato di prova si riferisce solo al campione sottoposto alle prove. È vietata la riproduzione parziale del certificato di prova senza l'approvazione di C.S.G. Palladio S.r.l., l'eventuale utilizzo dei referti analitici in procedimenti giudiziari e la testimonianza richiesta saranno soggetti a rimborso spese come da clausola evidenziata in offerta. I campioni vengono conservati presso C.S.G. Palladio S.r.l. per 6 mesi salvo diverse prescrizioni.

INDICE QUALITATIVO DEL CAMPIONE: Q5

DESCRIZIONE CAMPIONE: campione della lunghezza totale di 53cm;
costituito da più livelli

A: Limo sabbioso (0,0-21,0cm)
B: Limo argilloso (21,0-53,0cm)

VALORI MEDI
pocket | torvane

52	ALTO	daN/cm ²	daN/cm ²
50		1,8	0,4
40		1,8	0,4
30	B	1,8	0,4
20		1,8	0,4
10	A	2,2	<0,1
0		1,2	<0,1
cm	BASSO		

BASSO



ALTO

Sperimentatore
(Geom. Mirko Caldonazzo)

Il Direttore del Laboratorio
(Dr. Massimiliano Scarano)

Richiedente: **Centro Studi Geotecnici S.a.s**

Via Cremona, 1/C

35142 Padova

CERTIFICATO DI PROVA n.**17CA11618**

Data emissione certificato:

18.04.2017

Sigla campione:

S1 C1

Descrizione campione:

Limo argilloso (21,0-53,0cm)

Provenienza campione:

Via Cimitero, Comune di Scorzè (VE)

Descrizione prova e metodo analitico:

Fustella prelevata tra la profondità di -16,65m e -17,25m dal p.c.

Classificazione AASHTO M 145-82, ASTM D 3282

Strumentazione utilizzata:

Setacci ISO 565 ISO 3310, Bilancia elettronica Sartorius (Int.S-140), Cucchiara di Casagrande (Int.A-9),
Forno termostatico (Int.S-166), vetreria e attrezzi vari da laboratorio

Prelievo effettuato/procedura campionamento: A cura del Committente

Anomalie riscontrate:

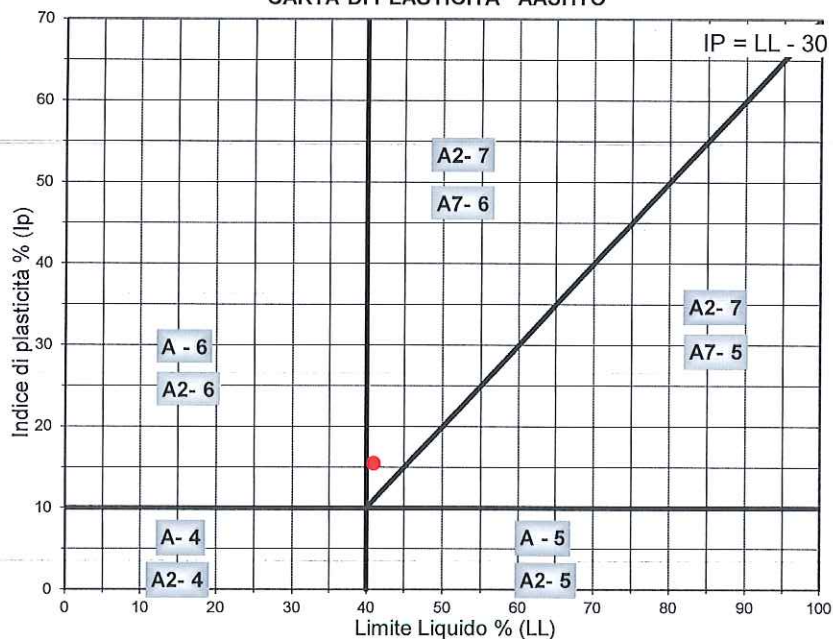
Nessuna

Accettazione campione: 10.04.2017

Inizio prove: 10.04.2017

Fine prove: 18.04.2017

Il presente certificato di prova si riferisce solo al campione sottoposto alle prove. È vietata la riproduzione parziale del certificato di prova senza l'approvazione di C.S.G. Palladio S.r.l.. L'eventuale utilizzo dei referti analitici in procedimenti giudiziari e la testimonianza richiesta saranno soggetti a rimborso spese come da clausola evidenziata in offerta. I campioni vengono conservati presso C.S.G. Palladio S.r.l. per 6 mesi salvo diverse prescrizioni.

CARTA DI PLASTICITA' AASHTO**FRAZIONE PASSANTE:**

2,0 mm	99,6	%
0,40 mm	98,4	%
0,075 mm	97,3	%

LIMITI DI ATTERBERG:

LIMITE LIQUIDO:	41,0	%
LIMITE PLASTICO:	25,5	%
INDICE PLASTICO:	15,5	%

CLASSIFICAZIONE STRADALE AASHTO**A7 - 6****CLASSIFICAZIONE STRADALE AASHTO:**

		TERRENI PREVALENTEMENTE GRANULARI							TERRENI PREVALENTEMENTE LIMOSO ARGILLOSI					TERRE ORGANICHE	
GRUPPO		A1		A3	A2				A4	A5	A6	A7		A8	
SOTTOGRUPPO		A1 - a	A1 - b		A2 - 4	A2 - 5	A2 - 6	A2 - 7				A7 - 5	A7 - 6		
FRAZIONE PASSANTE															
ISO 565 ISO 3310	2 mm	< 50	---	> 50	---	---	---	---	---	---	---	---	---		
	0,4 mm	< 30	≤ 50											> 35	> 35
	0,075 mm	< 15	< 25												
LIMITI DI CONSISTENZA	LL	---		≤ 40	> 40	≤ 40	> 40	≤ 40	> 40	≤ 40	> 40	> 40	> 40		
	IP	≤6	N.P.	≤ 10	≤ 10	> 10	> 10	≤ 10	≤ 10	> 10	> 10	> 10	> 10		
INDICE DI GRUPPO		0		0	0			< 4	< 8	< 12	< 16	< 20			
TIPI USUALI DEI MATERIALI COSTITUENTI IL GRUPPO		GHIAIA O BRECCIA CON SABBIA E SABBIA GROSSOLANA		SABBIA FINE	GHIAIA O SABBIA LIMOSA O ARGILLOSA				LIMI POCO COMPRESSIBILI	LIMI MOLTO COMPRESSIBILI	ARGILLE POCO COMPRESSIBILI	ARGILLE POCO COMPRESSIBILI	ARGILLE MOLTO COMPRESSIBILI	ARGILLE MOLTO COMPRESSIBILI	TORBE
												MEDIANE PLASTICHE	FORTEMENTE PLASTICHE		

Sperimentatore
(Geom. Mirko Caldonazzo)Il Direttore del Laboratorio
(Dr. Massimiliano Scarano)

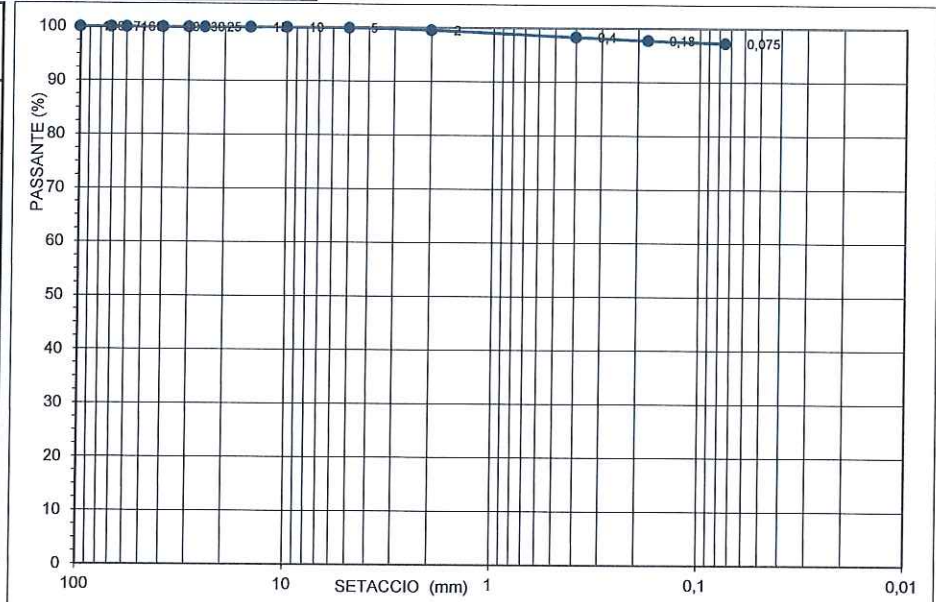
Certificato di prova n. 17CA11618

- continua dalla pagina precedente

ANALISI GRANULOMETRICA MEDIANTE VAGLI

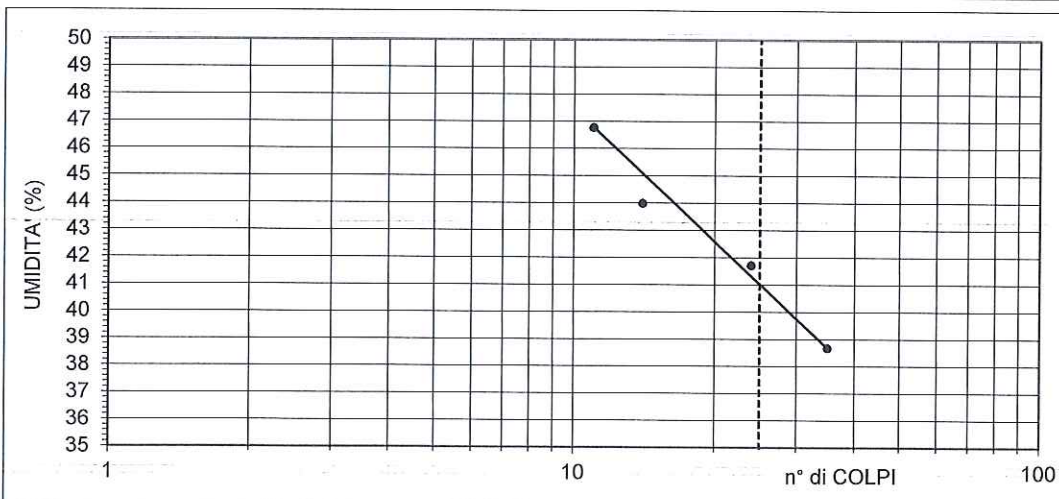
	VAGLI (mm)	Trattenuto (g)	Trattenuto (%)	Passante (%)
SETACCI # (ISO 565, ISO 3310)	125	0	0,0	100,0
	100	0	0,0	100,0
	75	0	0,0	100,0
	60	0	0,0	100,0
	40	0	0,0	100,0
	30	0	0,0	100,0
	25	0	0,0	100,0
	15	0	0,0	100,0
	10	0	0,0	100,0
	5	0	0,1	99,9
	2	1	0,4	99,6
	0,4	4	1,2	98,4
	0,18	2	0,6	97,8
	0,075	1	0,4	97,3
	<0,075	318	97,3	---

Peso totale del campione (g): 327

**LIMITI DI CONSISTENZA DI ATTERBERG (CNR UNI 10014)**

LIMITE LIQUIDO		1°	2°	3°	4°
COLPI	n°	11	14	24	35
Tara	g	2,36	2,25	2,29	2,27
Peso lordo umido	g	13,25	15,41	14,76	11,63
Peso lordo secco	g	9,78	11,39	11,09	9,02
Peso dell' acqua	g	3,47	4,02	3,67	2,61
Peso netto secco	g	7,42	9,14	8,80	6,75
UMIDITA'	%	46,8	44,0	41,7	38,7

LIMITE PLASTICO		1°	2°
Tara	g	2,18	2,22
P. lordo umido	g	3,77	4,22
P. lordo secco	g	3,45	3,81
P. acqua	g	0,32	0,41
P. netto secco	g	1,27	1,59
UMIDITA'	%	25,1	25,9

**LIMITI DI ATTERBERG:**
(CNR UNI 10014)Limite di liquidità:
LL: 41,0 %Limite di plasticità:
LP: 25,5 %Indice di plasticità:
IP: 15,5 %Sperimentatore
(Geom. Mirko Caldonazzo)Il Direttore del Laboratorio
(Dr. Massimiliano Scarano)



Richiedente: Centro Studi Geotecnici S.a.s

Via Cremona, 1/C

35142 Padova

CERTIFICATO DI PROVA n. 17CA11618

Data emissione certificato: 18.04.2017

Sigla campione: S1 C1

Descrizione campione: Limo argilloso (21,0-53,0cm)

Provenienza campione: Via Cimitero, Comune di Scorzè (VE)
Fustella prelevata tra la profondità di -16,65m e -17,25m dal p.c.

Descrizione prova e metodo analitico: Prova di consolidazione edometrica UNI EN ISO/TS 17892-5, ASTM D 2435, Raccomandazioni AGI '94

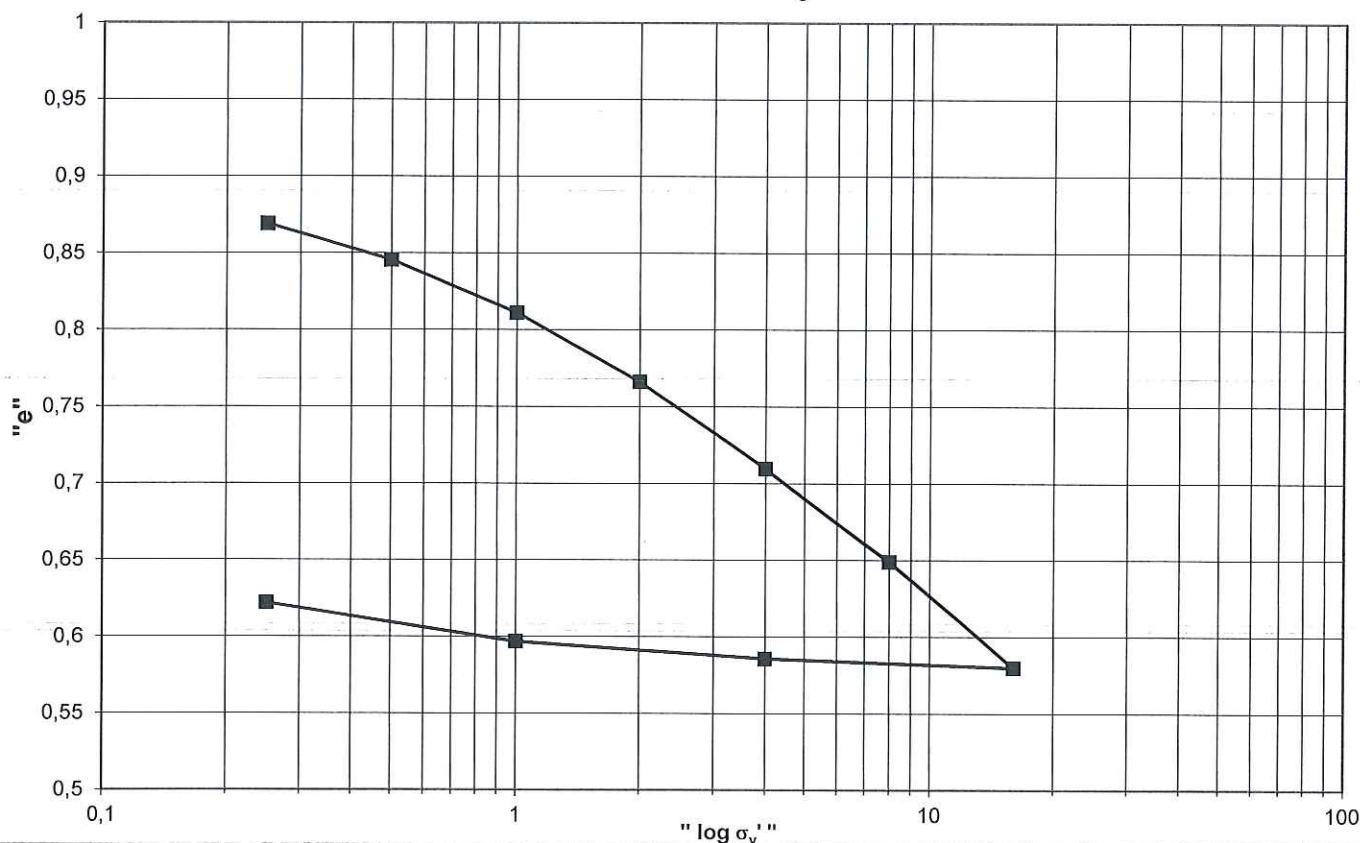
Strumentazione utilizzata: Estrusore (N.Int.A-48), Bilancia (N.Int.S-140), edometro a fulcro fisso (N.Int.N-95), Forno (N.Int.S-166), vetreria ed attrezzi vari da laboratorio.

Prelievo effettuato/procedura campionamento: A cura del Committente

Anomalie riscontrate: Nessuna

Accettazione campione: 10.04.2017 **Inizio analisi:** 10.04.2017 **Fine analisi:** 18.04.2017

Il presente certificato di prova si riferisce solo al campione sottoposto alle prove. È vietata la riproduzione parziale del certificato di prova senza l'approvazione di C.S.G. Palladio S.r.l. l'eventuale utilizzo dei referti analitici in procedimenti giudiziari e la testimonianza richiesta saranno soggetti a rimborso spese come da clausola evidenziata in offerta. I campioni vengono conservati presso C.S.G. Palladio S.r.l. per 6 mesi salvo diverse prescrizioni.

CURVA $e - \log \sigma_v'$ 

Sperimentatore
(Geom. Mirko Caldonazzo)

Il Direttore del Laboratorio
(Dr. Massimiliano Scarano)



Certificato di prova n. 17CA11618 - continua dalla pagina precedente

CAMPIONE: S1 C1

DESCRIZIONE CAMPIONE: campione della lunghezza totale di 52cm;
integro in fustella, costituito da due livelli omogenei:

A: Limo sabbioso (0,0-21,0cm)

B: Limo argilloso (21,0-53,0cm)

CARATTERISTICHE FISICHE DEL CAMPIONE:

Massa volumica dei granuli:	Gs	=	2,702	(g/cm ³)
Umidità naturale:	W _N	=	31,8	%
Massa volumica con umidità naturale:	γ _{nat}	=	1,833	(g/cm ³)

		VALORI MEDI	
		pocket	torvane
		daN/cm ²	daN/cm ²
52	ALTO		
50		1,8	0,4
40		1,8	0,4
30	B	1,8	0,4
20		1,8	0,4
10	A	2,2	<0,1
0		1,2	<0,1
cm	BASSO		

Prelievo effettuato da e procedura di campionamento:

		INIZIALE	FINALE
h	Altezza: (mm)	20,00	15,85
φ	Diametro: (mm)	50,47	50,47
V	Volume: (cm ³)	40,01	31,70
t	Tara fustella / ciottola: (g)	56,29	2,31
Pu	Peso lordo umido (g)	129,65	127,00
Pu	Peso netto umido: (g)	73,36	68,40
Ps	Peso lordo secco: (g)	---	112,82
Ps	Peso netto secco: (g)	---	54,22
γ _n	Peso di volume umido: (g/cm ³)	1,833	2,158
γ _d	Peso di volume essiccato: (g/cm ³)	1,355	1,710
W	Umidità: (%)	35,3	26,2
e ₀	Indice dei vuoti:	0,994	0,580
S ₀	Grado di saturazione: (%)	95,96	121,90

PRESSIONE	CEDIMENTI	DEFORMAZIONE	INDICE DEI	COEFF. DI	MODULO	COEFF. DI	COEFF. DI
P	δ H	ε	VUOTI	COMPRESSIBILITA'	EDOMETRICO	CONSOLIDAZIONE	PERMEABILITA'
(daN/cm ²)	(mm)	(%)	e	mv	M	Cv	K
				(cm ² /kg)	(daN/cm ²)	(cm ² /sec)	(cm/sec)
0,25	1,253	6,266	0,869	0,2506	3,990	1,015E-03	2,543E-07
0,5	1,491	7,454	0,845	0,0476	21,029	1,242E-03	5,908E-08
1	1,835	9,174	0,811	0,0344	29,079	1,456E-03	5,006E-08
2	2,285	11,424	0,766	0,0225	44,433	2,179E-03	4,905E-08
4	2,854	14,269	0,709	0,0142	70,313	2,723E-03	3,872E-08
8	3,461	17,304	0,649	0,0076	131,772	3,402E-03	2,581E-08
16	4,155	20,775	0,580	0,0043	230,511	3,920E-03	1,701E-08
4	4,096	20,480	0,586	---	---	---	---
1	3,985	19,925	0,597	---	---	---	---
0,25	3,731	18,655	0,622	---	---	---	---

Sperimentatore
(Geom. Mirko Caldonazzo)Il Direttore del Laboratorio
(Dr. Massimiliano Scarano)



Richiedente: **Centro Studi Geotecnici S.a.s**
Via Cremona, 1/C
35142 Padova

CERTIFICATO DI PROVA n.**17CA11618**

Data emissione certificato:

18.04.2017

Sigla campione:

S1 C1

Descrizione campione:

Limo argilloso (21,0-53,0cm)

Provenienza campione:

Via Cimitero, Comune di Scorzè (VE)

Descrizione prova e metodo analitico:

Fustella prelevata tra la profondità di -16,65m e -17,25m dal p.c.

Prova di compressione triassiale U.i.U. AGI 1994, ASTM D2850, UNI EN ISO/TS 17892-8

Strumentazione utilizzata:

Estrusore oliodinamico (N.Int.A-48), Bilancia elettronica (N.Int.S-140), pressa triassiale (N.Int.S-272),
Cella di carico 5kN (N.Int.S-273), cella triassiale (N.Int.S-274), trasduttore di pressione (N.Int.S-278),
sistema di variazione di volume (N.Int.N-281), manometro digitale 20bar (N.Int.S-284)
Forno termostatico (N.Int.S-166), vetreria ed attrezzi vari da laboratorio.

Prelievo effettuato/procedura campionamento:

A cura del Committente

Anomalie riscontrate:

Nessuna

Accettazione campione: 10.04.2017

Inizio prove: 10.04.2017

Fine prove: 18.04.2017

Il presente certificato di prova si riferisce solo al campione sottoposto alle prove. È vietata la riproduzione parziale del certificato di prova senza l'approvazione di

C.S.G. Palladio S.r.l.. l'eventuale utilizzo dei referti analitici in procedimenti giudiziari e la testimonianza richiesta saranno soggetti a rimborso spese come da clausola evidenziata

in offerta. I campioni vengono conservati presso C.S.G. Palladio S.r.l. per 6 mesi salvo diverse prescrizioni.

CARATTERISTICHE FISICHE DEL CAMPIONE:

	ALTEZZA INIZIALE (mm)	AREA INIZIALE (cm ²)	UMIDITA' (%)	MASSA VOLUMICA CON	
				γ_{nat} (g/cm ³)	γ_{dry} (g/cm ³)
PROVINO 1	7,62	11,40	33,63	1,837	1,375
PROVINO 2	7,62	11,40	31,48	1,888	1,436
PROVINO 3	7,62	11,40	28,66	1,886	1,465

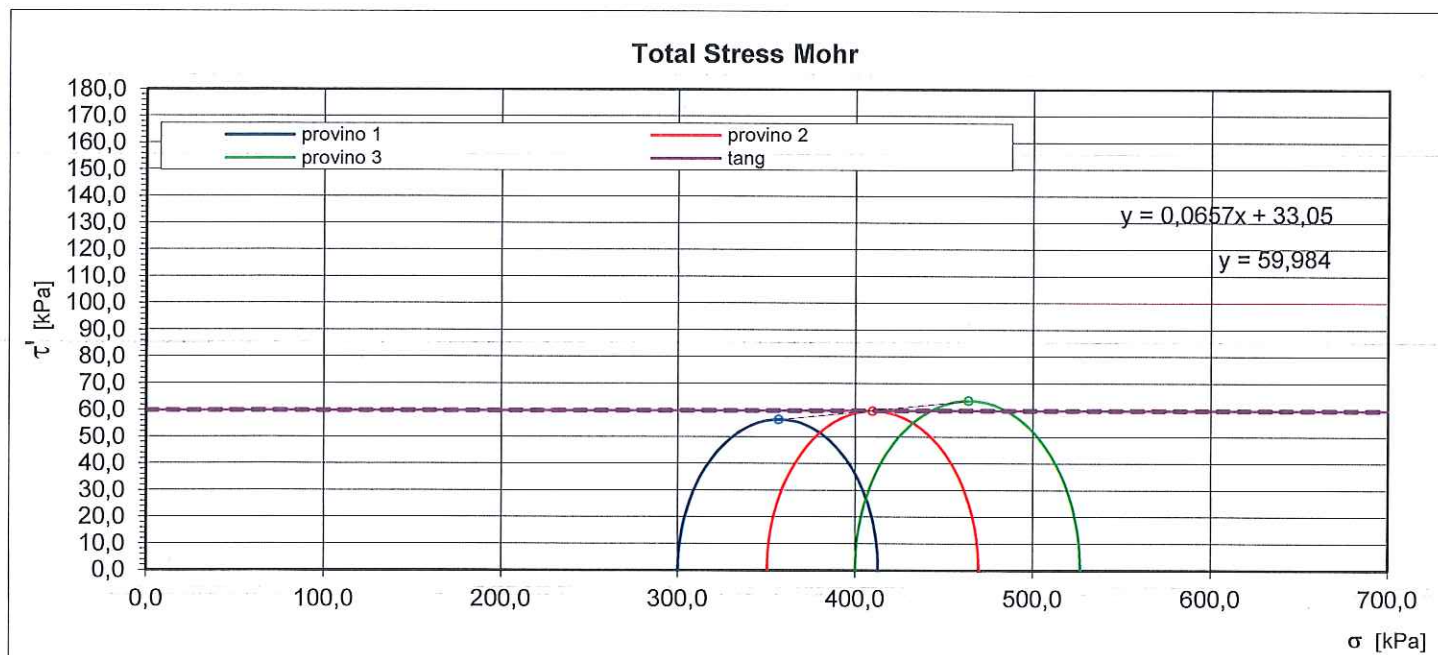
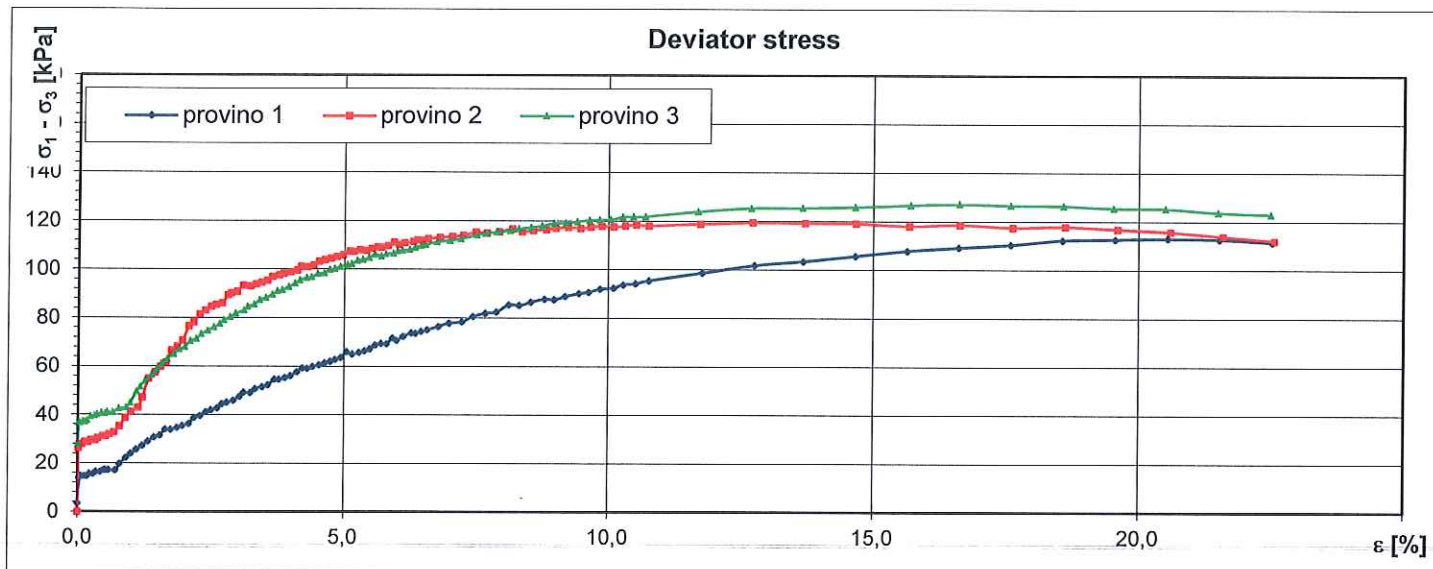
VALORI MEDI

52	ALTO	pocket torvane	
		daN/cm ²	daN/cm ²
50		1,8	0,4
40		1,8	0,4
30	B	1,8	0,4
20		1,8	0,4
10	A	2,2	<0,1
0		1,2	<0,1
cm	BASSO		

Sperimentatore
(Geom. Mirko Caldonazzo)

Direttore del Laboratorio
(Dr. Massimiliano Scarano)

Rapporto di prova n. 1 17CA11618 - continua dalla pagina precedente



Resistenza al taglio non drenata
Cu: 60,0 [kPa]

Sperimentatore
(Geom. Mirko Caldonazzo)

Direttore del Laboratorio
(Dr. Massimiliano Scarano)



Rapporto di prova n. 17CA11618

- continua dalla pagina precedente

Caratteristiche fisiche del provino:	
1	
h	Altezza provino: 7,62 cm
φ	Diametro provino: 3,81 cm
As	Area provino: 11,40 cm ²
V	V ₀ provino: 86,87 cm ³
γ _n	P. di vol. U. nat: 1,837 g/cm ³
γ _d	P. di vol secco: 1,375 g/cm ³
U	Umidità: 33,6 %
P in cella: 300 kPa	
ε MAX: 22,53 %	
σ ₁ - σ ₃ MAX: 113,1 kPa	

Caratteristiche fisiche del provino:	
2	
h	Altezza provino: 7,62 cm
φ	Diametro provino: 3,81 cm
As	Area provino: 11,40 cm ²
V	V ₀ provino: 86,87 cm ³
γ _n	P. di vol. U. nat: 1,888 g/cm ³
γ _d	P. di vol secco: 1,436 g/cm ³
U	Umidità: 31,5 %
P in cella: 350 kPa	
ε MAX: 21,59 %	
σ ₁ - σ ₃ MAX: 119,5 kPa	

Caratteristiche fisiche del provino:	
3	
h	Altezza provino: 7,62 cm
φ	Diametro provino: 3,81 cm
As	Area provino: 11,40 cm ²
V	V ₀ provino: 86,87 cm ³
γ _n	P. di vol. U. nat: 1,886 g/cm ³
γ _d	P. di vol secco: 1,465 g/cm ³
U	Umidità: 28,7 %
P in cella: 400 kPa	
ε MAX: 22,51 %	
σ ₁ - σ ₃ MAX: 127,2 kPa	

DEF. ASSIALE	SEZIONE MEDIA	TENSIONE DEVIATORICA
ε	A=A ₀ /(1-ε)	σ ₁ - σ ₃
[%]	(cm ²)	[kPa]
0,00	11,40	3,51
0,03	11,40	14,02
0,05	11,41	14,89
0,12	11,41	14,86
0,17	11,42	14,84
0,22	11,43	15,69
0,29	11,43	15,66
0,34	11,44	16,51
0,42	11,45	16,47
0,49	11,46	17,32
0,52	11,46	17,30
0,58	11,47	17,27
0,71	11,48	17,21
0,79	11,49	19,78
0,91	11,50	22,33
1,00	11,52	24,02
1,10	11,53	25,70
1,21	11,54	27,37
1,31	11,55	29,05
1,43	11,57	30,71
1,54	11,58	31,50
1,64	11,59	34,03
1,75	11,60	33,96
1,86	11,62	34,75
1,97	11,63	35,54
2,09	11,64	36,32
2,19	11,66	38,82
2,31	11,67	39,59
2,41	11,68	41,23
2,51	11,69	42,02
2,62	11,71	42,79
2,72	11,72	44,43
2,81	11,73	45,21
2,93	11,74	45,97
3,04	11,76	47,58
3,12	11,77	49,22
3,24	11,78	49,12
3,33	11,79	50,74
3,46	11,81	51,48
3,57	11,82	52,24
3,70	11,84	54,66
3,78	11,85	54,59
3,88	11,86	55,34
3,99	11,87	56,09
4,11	11,89	57,67
4,21	11,90	59,26

DEF. ASSIALE	SEZIONE MEDIA	TENSIONE DEVIATORICA
ε	A=A ₀ /(1-ε)	σ ₁ - σ ₃
[%]	(cm ²)	[kPa]
0,00	11,40	0,00
0,01	11,40	26,31
0,04	11,41	28,05
0,08	11,41	28,02
0,13	11,42	28,87
0,16	11,42	28,85
0,20	11,42	28,83
0,25	11,43	29,68
0,33	11,44	29,63
0,38	11,44	30,47
0,47	11,45	31,29
0,52	11,46	31,26
0,59	11,47	32,09
0,68	11,48	32,90
0,79	11,49	35,45
0,89	11,50	38,86
1,00	11,52	41,39
1,13	11,53	43,03
1,21	11,54	47,31
1,33	11,55	55,00
1,44	11,57	57,50
1,55	11,58	59,99
1,65	11,59	61,62
1,76	11,60	66,70
1,86	11,62	68,32
1,97	11,63	70,79
2,09	11,64	76,68
2,18	11,65	78,30
2,30	11,67	81,60
2,40	11,68	83,19
2,51	11,69	84,78
2,60	11,70	85,53
2,72	11,72	86,24
2,82	11,73	89,52
2,89	11,74	90,30
2,99	11,75	91,02
3,11	11,77	93,42
3,24	11,78	93,25
3,35	11,80	93,97
3,45	11,81	94,68
3,56	11,82	95,39
3,65	11,83	96,96
3,78	11,85	97,64
3,86	11,86	98,38
3,99	11,87	99,04
4,11	11,89	99,73

DEF. ASSIALE	SEZIONE MEDIA	TENSIONE DEVIATORICA
ε	A=A ₀ /(1-ε)	σ ₁ - σ ₃
[%]	(cm ²)	[kPa]
0,00	11,40	27,89
0,01	11,40	36,83
0,04	11,41	36,81
0,09	11,41	37,31
0,13	11,42	37,28
0,17	11,42	37,78
0,24	11,43	39,31
0,31	11,44	39,78
0,37	11,44	40,27
0,45	11,45	40,74
0,51	11,46	40,69
0,55	11,46	41,19
0,66	11,48	41,11
0,77	11,49	42,59
0,91	11,50	43,02
0,98	11,51	45,05
1,10	11,53	49,64
1,17	11,54	51,67
1,26	11,55	54,19
1,38	11,56	56,69
1,47	11,57	58,68
1,56	11,58	61,19
1,68	11,60	63,15
1,80	11,61	65,11
1,90	11,62	67,07
2,01	11,63	68,00
2,11	11,65	70,47
2,23	11,66	71,38
2,32	11,67	73,34
2,44	11,69	74,76
2,56	11,70	76,17
2,66	11,71	77,59
2,74	11,72	79,04
2,86	11,74	80,44
2,97	11,75	81,86
3,12	11,77	83,21
3,19	11,78	84,66
3,31	11,79	85,54
3,41	11,80	87,45
3,53	11,82	88,32
3,65	11,83	89,70
3,74	11,84	91,10
3,83	11,85	91,49
3,95	11,87	92,86
4,07	11,88	94,23
4,16	11,90	95,62



Rapporto di prova n. 17CA11618

- continua dalla pagina precedente

4,30	11,91	59,17
4,41	11,93	59,91
4,53	11,94	60,64
4,63	11,95	61,38
4,74	11,97	62,11
4,83	11,98	62,86
4,93	11,99	63,59
5,05	12,01	65,97
5,16	12,02	65,04
5,29	12,04	65,74
5,39	12,05	66,46
5,49	12,06	67,20
5,59	12,08	68,75
5,71	12,09	69,45
5,81	12,10	69,34
5,93	12,12	71,69
6,01	12,13	70,78
6,13	12,14	72,30
6,29	12,17	73,78
6,36	12,18	73,69
6,47	12,19	74,40
6,59	12,20	75,08
6,80	12,23	76,48
6,99	12,26	77,89
7,23	12,29	78,43
7,44	12,32	80,62
7,66	12,35	81,98
7,87	12,37	82,53
8,11	12,41	85,47
8,31	12,43	85,22
8,53	12,46	86,55
8,79	12,50	87,82
8,96	12,52	87,60
9,17	12,55	88,92
9,44	12,59	90,17
9,62	12,61	90,72
9,84	12,65	92,00
10,09	12,68	92,46
10,28	12,71	93,78
10,51	12,74	94,24
10,76	12,78	95,46
11,76	12,92	98,71
12,74	13,07	101,88
13,66	13,20	103,52
14,66	13,36	105,73
15,63	13,51	107,89
16,60	13,67	109,24
17,59	13,83	110,49
18,57	14,00	112,40
19,55	14,17	112,80
20,54	14,35	113,15
21,52	14,53	112,76
22,53	14,72	111,61

4,19	11,90	101,30
4,32	11,92	101,12
4,42	11,93	101,82
4,53	11,94	103,35
4,63	11,95	104,04
4,75	11,97	104,71
4,86	11,98	105,40
4,97	12,00	106,06
5,10	12,01	107,54
5,18	12,02	107,43
5,30	12,04	108,09
5,42	12,05	107,91
5,52	12,07	108,59
5,63	12,08	109,27
5,71	12,09	109,15
5,84	12,11	109,78
5,96	12,12	111,26
6,05	12,13	110,30
6,15	12,15	110,96
6,31	12,17	111,55
6,39	12,18	112,25
6,50	12,19	112,09
6,60	12,21	112,75
6,82	12,24	113,23
7,05	12,26	113,71
7,26	12,29	114,20
7,49	12,32	115,45
7,69	12,35	115,14
7,93	12,38	115,58
8,18	12,42	116,80
8,36	12,44	115,70
8,57	12,47	116,17
8,82	12,50	116,58
8,99	12,53	117,10
9,23	12,56	117,52
9,46	12,59	117,14
9,66	12,62	117,61
9,87	12,65	118,06
10,09	12,68	117,69
10,31	12,71	118,12
10,52	12,74	118,55
10,76	12,78	118,16
11,72	12,91	118,90
12,70	13,06	119,55
13,70	13,21	119,36
14,67	13,36	119,18
15,67	13,52	118,18
16,63	13,67	118,70
17,62	13,84	117,65
18,62	14,01	118,01
19,61	14,18	116,94
20,59	14,36	115,84
21,59	14,54	114,02

4,29	11,91	96,46
4,38	11,92	96,84
4,50	11,94	98,19
4,62	11,95	98,54
4,72	11,97	99,90
4,82	11,98	100,28
4,92	11,99	101,13
5,07	12,01	101,93
5,14	12,02	102,32
5,25	12,03	103,67
5,35	12,05	104,03
5,47	12,06	104,85
5,58	12,07	106,20
5,71	12,09	105,51
5,80	12,10	106,37
5,94	12,12	106,66
6,02	12,13	107,53
6,12	12,14	107,89
6,25	12,16	108,19
6,35	12,17	109,03
6,47	12,19	109,84
6,55	12,20	110,21
6,77	12,23	111,35
7,01	12,26	111,97
7,20	12,29	112,65
7,51	12,33	114,13
7,66	12,35	114,86
7,87	12,37	115,50
8,14	12,41	116,06
8,29	12,43	116,77
8,53	12,46	117,36
8,74	12,49	117,98
8,96	12,52	119,06
9,19	12,55	119,17
9,40	12,58	119,78
9,63	12,62	120,35
9,83	12,64	120,50
10,04	12,67	120,62
10,26	12,70	121,66
10,47	12,73	121,78
10,70	12,77	121,88
11,68	12,91	123,93
12,68	13,06	125,41
13,65	13,20	125,51
14,66	13,36	125,94
15,70	13,52	126,72
16,61	13,67	127,21
17,59	13,83	126,69
18,58	14,00	126,51
19,53	14,17	125,55
20,50	14,34	125,35
21,50	14,52	123,83
22,51	14,71	123,08

Sperimentatore
(Geom. Mirko Caldonazzo)Direttore del Laboratorio
(Dr. Massimiliano Scarano)



Richiedente: **Centro Studi Geotecnici S.a.s**
Via Cremona, 1/C
35142 Padova

CERTIFICATO DI PROVA n. 17CA11619

Data emissione certificato: 18.04.2017

Sigla campione: S1 - A

Descrizione campione: Sabbia limosa

Provenienza campione: Via Cimitero, Comune di Scorzè (VE)
Campione rimaneggiato prelevata tra la profondità di -8,50m e -8,95m dal p.c.

Descrizione prova e metodo analitico: Analisi granulometrica mediante crivelli e setacci CNR BU 23 -71

Strumentazione utilizzata: Setacci e crivelli serie UNI 2234 - 2332 (N.Int.A-14), Bilancia elettronica Sartorius (N.Int.S-140), Forno termostatico (N.Int.S-166), vetreria ed attrezzi vari da laboratorio.

Prelievo effettuato/procedura campionamento: A cura del Committente

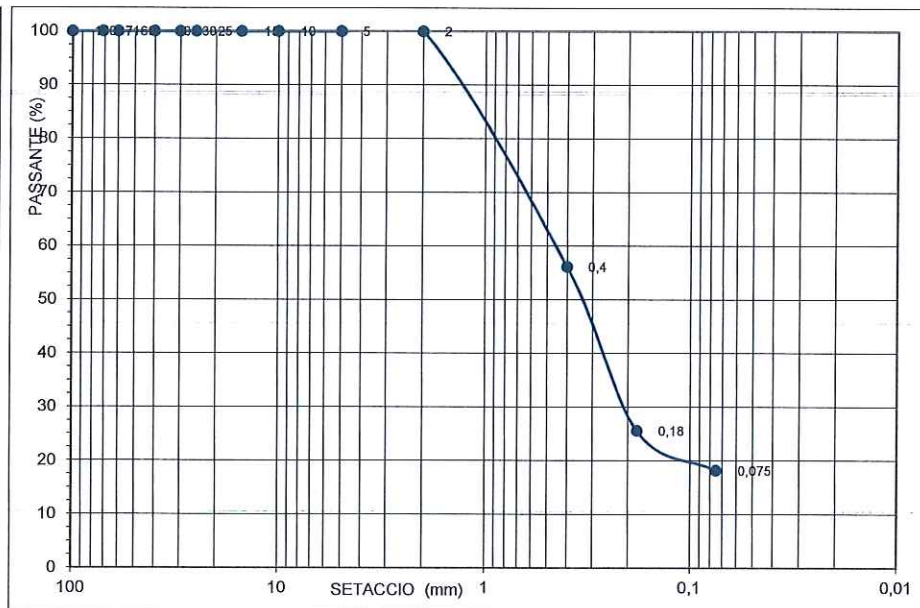
Anomalie riscontrate: Nessuna

Accettazione campione: 10.04.2017 Inizio prove: 10.04.2017 Fine prove: 18.04.2017

Il presente certificato di prova si riferisce solo al campione sottoposto alle prove. È vietata la riproduzione parziale del certificato di prova senza l'approvazione di C.S.G. Palladio S.r.l.. l'eventuale utilizzo dei referti analitici in procedimenti giudiziari e la testimonianza richiesta saranno soggetti a rimborso spese come da clausola evidenziata in offerta. I campioni vengono conservati presso C.S.G. Palladio S.r.l. per 6 mesi salvo diverse prescrizioni.

	VAGLI (mm)	Trattenuto (g)	Trattenuto (%)	Passante (%)
CRIVELLI ϕ	>100	0	0,0	100,0
	100	0	0,0	100,0
	75	0	0,0	100,0
	60	0	0,0	100,0
	40	0	0,0	100,0
	30	0	0,0	100,0
	25	0	0,0	100,0
	15	0	0,0	100,0
	10	0	0,0	100,0
	5	0	0,0	100,0
SETACCI #	2	0	0,0	100,0
	0,4	129	43,9	56,1
	0,18	90	30,6	25,5
	0,075	22	7,4	18,2
	<0,075	54	18,2	-----

Peso totale del campione (g): 295



Sperimentatore
(Geom. Mirko Caldonazzo)

Il Direttore del Laboratorio
(Dr. Massimiliano Scarano)