

Dispersion Report

Workspace: 72341-1RiempimFSRU

Study: Riempimento FSRU-ME4

Equipment Item: 4R Linee di caricamento taniche FSRU durante riempimento

72341-1RiempimFSRU\Riempimento FSRU-ME4\4R Linee di caricamento taniche FSRU durante riempimento

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (Leak) : 80mm

72341-1RiempimFSRU\Riempimento FSRU-ME4\4R Linee di caricamento taniche FSRU durante riempimento\80mm

Material to track	GAS NATURALE
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Weather: Category 2/F

Wind speed [m/s]	2
Pasquill stability	F stable - night with moderate clouds and light/moderate wind
Atmospheric temperature [degC]	25
Relative humidity [fraction]	0,75
Solar radiation flux [kW/m2]	0,5
Mixing layer height [m]	100

Observer Release Data and Observer Mass Data

					Masses or mass rates			
Observer number	Release type	Start time [s]	Start downwind distance [m]	Unit	Release	Rainout	Pool vapour pick-up	Final

1	Continuou s	0	0	kg/s	14,567	14,4752		0,09172 8
2	Continuou s	0,22	-0,247366	kg/s	14,567	14,4752		4,66694
3	Continuou s	20,240 3	-4,69338	kg/s	14,567	14,4752		10,0793
4	Continuou s	34,611	-5,6312	kg/s	14,567	14,4752		10,7476
5	Continuou s	48,084	-6,28424	kg/s	14,567	14,4752		11,1573
6	Continuou s	61,005 7	-6,7912	kg/s	14,567	14,4752		11,3385
7	Continuou s	72,333	-7,17043	kg/s	14,567	14,4752		9,59922
8	Continuou s	72,334	-7,17043	kg/s	0	0	9,5075	9,5075
9	Continuou s	73,557 5	-7,20945	kg/s	0	0		9,21277
10	Continuou s	77,052 8	-7,31685	kg/s	0	0		8,4089
11	Continuou s	85,838 7	-7,56748	kg/s	0	0		6,45278
12	Continuou s	102,08 9	-7,67575	kg/s	0	0		4,1763
13	Continuou s	137,77 8	-7,67575	kg/s	0	0		2,05367
14	Continuou s	279,76 2	-7,67575	kg/s	0	0		0,26433

Time-varying Observer Dispersion Data (before along-wind-diffusion effects)

Dispersion data correspond to an averaging time of: 18,75 s

Observer number	Time [s]	Down wind distance [m]	C/Li ne height [m]	C/Li ne conc [ppm]	Effecti ve width [m]	Effecti ve depth [m]	C/Line vapour tempera ture [degC]	C/Li ne liqui d fracti	Centr oid veloci ty [m/s]	C/Lin e cloud densi ty
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								on]	[kg/ m3]
1	0	0	0	999.90 6,06	0,1922 95	0,0932 762	-160,938	0	2,6768 9	1,9107 4
1	0,01	0,02648 39	0	993.41 9,14	0,2054 83	0,0910 165	-159,49	0	2,6207 7	1,8924
1	0,02	0,05242 02	0	987.16 5,29	0,2184 17	0,0891 968	-158,076	0	2,5663 8	1,8749 4
1	0,03	0,07782 27	0	981.12 3,86	0,2311 28	0,0877 258	-156,692	0	2,5137 3	1,8582 5
1	0,04	0,10270 7	0	975.27 8,69	0,2436 39	0,0865 356	-155,336	0	2,4627 9	1,8422 7
1	0,05	0,12709	0	969.61 6,69	0,2559 72	0,0855 742	-154,007	0	2,4135 5	1,8269 5
1	0,06	0,15098 7	0	964.12 6,73	0,2681 46	0,0848 006	-152,703	0	2,3659 8	1,8122 3
1	0,07	0,17441 5	0	958.79 8,75	0,2801 77	0,0841 823	-151,422	0	2,3200 4	1,7980 7
1	0,08	0,19739 1	0	953.62 3,97	0,2920 82	0,0836 932	-150,163	0	2,2757 2	1,7844 3
1	0,09	0,21993 3	0	948.59 4,85	0,3038 71	0,0833 123	-148,927	0	2,2329 7	1,7712 8
1	0,1	0,24205 3	0	943.70 6,86	0,3155 51	0,0830 243	-147,711	0	2,1917 3	1,7585 8
1	0,11	0,26376 9	0	938.95 3,84	0,3271 31	0,0828 148	-146,516	0	2,1519 5	1,7463 2
1	0,12	0,28509 4	0	934.33 0,14	0,3386 19	0,0826 725	-145,34	0	2,1135 9	1,7344 6
1	0,13	0,30604 2	0	929.83 0,47	0,3500 22	0,0825 871	-144,184	0	2,0766	1,7229 9
1	0,14	0,32662 6	0	925.45 0,38	0,3613 45	0,0825 505	-143,046	0	2,0409 3	1,7118 9
1	0,15	0,34685 9	0	921.18 5,59	0,3725 94	0,0825 556	-141,928	0	2,0065 2	1,7011 4
1	0,16	0,36675 6	0	917.03 1,54	0,3837 73	0,0825 957	-140,829	0	1,9733 3	1,6907 4
1	0,17	0,38632 5	0	912.98 4,69	0,3948 85	0,0826 652	-139,75	0	1,9413	1,6807

1	0,18	0,40557	0	909.04	0,4059	0,0827	-138,692	0	1,9103	1,671
		9		0,94	35	589			9	
1	0,19	0,42453	0	905.19	0,4169	0,0828	-137,655	0	1,8805	1,6616
				6,62	26	731			6	3
1	0,2	0,44318	0	901.44	0,4278	0,0830	-136,637	0	1,8517	1,6525
		7		8,30	59	057			5	7
1	0,212	0,46520	0	897.07	0,4409	0,0831	-135,441	0	1,8184	1,6420
		3		2,15	09	838			7	9
1	0,226	0,49110	0	891.98	0,4564	0,0834	-134,041	0	1,7803	1,6300
	4	7		9,19	68	21				5
1	0,243	0,52148	0	886.11	0,4750	0,0837	-132,412	0	1,7368	1,6163
	68	7		9,99	02	312			8	2
1	0,264	0,55698	0	879.38	0,4970	0,0841	-130,525	0	1,6879	1,6008
	416	4		9,36	55	312			5	
1	0,289	0,59829	0	871.73	0,5232	0,0846	-128,354	0	1,6334	1,5834
	299	4		1,37	61	38			1	
1	0,319	0,64615	0	863.09	0,5543	0,0852	-125,871	0	1,5733	1,5641
	159	6		6,30	5	686			6	
1	0,354	0,70134	0	853.45	0,5911	0,0860	-123,053	0	1,5081	1,5429
	991	5		7,90	63	38			4	
1	0,397	0,76466	0	842.82	0,6346	0,0869	-119,883	0	1,4383	1,5198
	989	7		1,15	51	563			5	8
1	0,449	0,83692	0	831.23	0,6858	0,0880	-116,348	0	1,3649	1,4951
	587	9		0,82	7	258			2	7
1	0,511	0,91900	0	818.69	0,7459	0,0892	-112,429	0	1,2888	1,4688
	504	8		4,30	76	663			5	8
1	0,585	1,01185	0	803.98	0,8162	0,0910	-107,88	0	1,2100	1,4401
	805			8,73	06	67			2	9
1	0,674	1,11616	0	786.06	0,8978	0,0937	-102,503	0	1,1297	1,4088
	966			1,99	36	178			5	8
1	0,781	1,23267	0	764.13	0,9920	0,0974	-96,1661	0	1,0502	1,3752
	959			1,43	32	161			9	8
1	0,910	1,36237	0	737.37	1,0995	0,1024	-88,7566	0	0,9739	1,3400
	351			6,72	9	06			04	1
1	1,064	1,50674	0	704.86	1,2204	0,1090	-80,1675	0	0,9024	1,3038
	42			8,72	8	75			91	8
1	1,249	1,66738	0	665.51	1,3529	0,1180	-70,2924	0	0,8381	1,2678
	31			7,26	3	08			86	

1	1,471 17	1,84692	0	617.89 8,18	1,4917 3	0,1304 4	-59,0105	0	0,7821 64	1,2327 2
1	1,737 4	2,04884	0	564.35 2,36	1,6242 8	0,1471 98	-46,9277	0	0,7363 41	1,2009 2
1	2,056 88	2,27809	0	509.85 0,94	1,7169 8	0,1702 12	-35,1645	0	0,7014 34	1,1746 4
1	2,440 26	2,54111	0	436.23 4,58	1,7554 5	0,2146 48	-21,283	0	0,6729 1	1,1520 8
1	2,900 31	2,84549	0	352.37 4,74	1,8177 8	0,2787 51	-8,22516	0	0,6519 62	1,1403 2
1	3,452 37	3,20132	0	277.63 9,67	1,9044 6	0,3568 92	0,701724	0	0,6384 97	1,1409 7
1	4,114 84	3,62123	0	217.68 9,80	2,0127 7	0,4466 88	6,75779	0	0,6301 42	1,1454 6
1	4,909 81	4,11987	0	170.92 2,59	2,1429 6	0,5473 7	10,7963	0	0,6248 83	1,1512 6
1	5,635 05	4,57199	0	142.18 2,57	2,2588 1	0,6325 18	13,0262	0	0,6221 55	1,1556 2
1	5,635 05	4,57199	0	142.18 2,57	2,2588 1	0,6325 18	13,0262	0	0,6221 55	1,1556 2
1	5,863 77	4,7142	0	135.05 4,44	2,2933 1	0,6579 04	13,553	0	0,6215 35	1,1567 9
1	7,008 53	5,42436	0	109.43 3,22	2,4383 5	0,7717 87	15,3737	0	0,6194 39	1,1611 7
1	8,382 23	6,27432	0	91.560, 95	2,5630 9	0,8837 3	16,5859	0	0,6180 94	1,1643 8
1	10,03 07	7,2924	0	79.175, 60	2,6629 7	0,9883 26	17,4093	0	0,6172 09	1,1666 2
1	12,00 88	8,51268	0	70.785, 86	2,7431 3	1,0740 4	17,9645	0	0,6166 06	1,1680 3
1	14,38 26	9,97581	0	65.355, 82	2,8213 2	1,1292 4	18,3414	0	0,6161 74	1,1687 8
1	17,23 11	11,7305	0	60.103, 45	2,9142 3	1,1879 9	18,7094	0	0,6158 16	1,1695 3
1	20,64 93	13,8349	0	54.642, 57	3,0247 7	1,2582 1	19,0831	0	0,6155 27	1,1703 6
1	24,75 12	16,3593	0	49.095, 70	3,1566 1	1,3420 8	19,4844	0	0,6153 06	1,1711 7

1	29,67 34	19,3875	0	43.696, 23	3,3137 6	1,4449 7	20,4397	0	0,6151 45	1,1700 6
1	35,58 01	23,0206	0	38.850, 13	3,5009 7	1,5679 1	21,313	0	0,6150 35	1,1692 5
1	42,66 81	27,3946	0	34.590, 11	3,7246 6	1,6918	22,0925	0	0,6237 28	1,1687 4
1	51,17 37	32,7952	0	30.348, 28	3,9986 1	1,8110 5	22,7834	0	0,6462 78	1,1685 5
1	59,26 36	38,1102	0	26.934, 12	4,2660 9	1,9281 3	23,2685	0	0,6677 53	1,1686
1	61,38 05	39,531	0	26.075, 99	4,3372 4	1,9596 5	23,3742	0	0,6733 68	1,1686 5
1	73,62 86	47,9784	0	22.965, 76	4,7578 1	2,1455 8	23,856	0	0,7059 51	1,169
1	88,32 63	58,6422	0	21.222, 33	5,2831	2,3798 5	24,2294	0	0,7451 41	1,1695 4
1	105,9 64	72,2002	0	20.438, 38	5,9432 2	2,6772 2	24,5038	0	0,7923 38	1,1701 8
1	127,1 28	89,5714	0	14.689, 38	6,7783 4	3,0579 5	24,6948	0	0,8492 39	1,1708 4
1	135,6 55	96,9097	0	12.945, 55	7,1279 8	3,2168 5	24,746	0	0,8720 06	1,1710 7
1	152,3 11	111,933	0	10.504, 73	7,8386 2	3,4702 3	24,8146	0	0,9071 55	1,1714
1	180,8 16	140,455	0	7.532,0 5	9,1710 6	3,8993 4	24,8882	0	0,9640 25	1,1718 3
1	215,2 13	176,898	0	5.284,0 0	10,846 7	4,4120 8	24,9348	0	1,0281 6	1,1722
1	256,7 39	223,622	0	3.631,2 4	12,959 1	5,0257 2	24,9631	0	1,1003 6	1,1724 9
1	306,7 87	283,73	0	2.448,4 1	15,628 3	5,7603 9	24,9797	0	1,1813 9	1,1727 1
1	367,0 75	361,291	0	1.622,7 7	19,007 5	6,6396 7	24,9891	0	1,2720 4	1,1728 7
1	439,7 56	461,642	0	1.059,4 3	23,292 5	7,6909 7	24,9943	0	1,3730 6	1,1729 9
1	527,5 52	591,773	0	682,81 1	28,732 1	8,9454 1	24,9971	0	1,4851 8	1,1730 7

1	551,261	627,317	0	615,36	30,1984	9,27071	24,9975	0	1,51298	1,17308
2	0,22	-0,247366	0	1,00	0,00177245	0,782428	24,6246	0	0,614873	1,1739
2	0,32	-0,228137	0	910.858,31	0,366146	0,129613	-144,154	0	0,100645	1,74376
2	0,42	-0,219665	0	942.021,76	0,585648	0,182689	-150,154	0	0,0749572	1,79785
2	0,52	-0,212609	0	953.067,76	0,793242	0,210206	-152,214	0	0,0672679	1,81752
2	0,62	-0,206025	0	958.484,84	0,996207	0,225021	-153,14	0	0,0647838	1,82608
2	0,72	-0,199571	0	961.457,64	1,20272	0,231759	-153,566	0	0,064626	1,82951
2	0,82	-0,19306	0	963.112,52	1,41117	0,234276	-153,719	0	0,0657713	1,83004
2	0,92	-0,186391	0	963.969,11	1,61996	0,234808	-153,702	0	0,0677175	1,82873
2	1,02	-0,1795	0	964.291,34	1,82834	0,234357	-153,572	0	0,0702075	1,82619
2	1,12	-0,172339	0	964.240,40	2,0359	0,23353	-153,36	0	0,073075	1,82279
2	1,22	-0,164878	0	963.919,02	2,2425	0,232645	-153,091	0	0,076211	1,81878
2	1,32	-0,157091	0	963.397,24	2,4481	0,231871	-152,779	0	0,0795386	1,81434
2	1,42	-0,14896	0	962.726,14	2,65276	0,231307	-152,436	0	0,0829989	1,80959

		4								
2	1,52	- 0,140486	0	961.942,80	2,85659	0,230992	-152,069	0	0,0865489	1,80465
2	1,62	- 0,13165	0	961.074,15	3,05969	0,230925	-151,686	0	0,0901578	1,79957
2	1,72	- 0,122452	0	960.140,63	3,26216	0,231092	-151,291	0	0,0938024	1,79441
2	1,82	- 0,112887	0	959.159,16	3,46409	0,231486	-150,886	0	0,0974623	1,7892
2	1,92	- 0,102956	0	958.142,48	3,66557	0,232087	-150,475	0	0,101123	1,78398
2	2,02	- 0,0926579	0	957.098,68	3,8667	0,232851	-150,061	0	0,104778	1,77877
2	2,12	- 0,0819965	0	956.035,35	4,06756	0,233755	-149,644	0	0,10842	1,77359
2	2,22	- 0,0709717	0	954.959,99	4,26821	0,234795	-149,226	0	0,112039	1,76845
2	2,34	- 0,0572669	0	953.660,09	4,50879	0,236192	-148,725	0	0,116346	1,76234
2	2,484	- 0,0401426	0	952.094,67	4,79727	0,238042	-148,125	0	0,121458	1,75513
2	2,6568	- 0,0186297	0	950.219,18	5,14331	0,240457	-147,411	0	0,127502	1,74665
2	2,80013	2,19951E-17	0	948.672,73	5,4303	0,242581	-146,823	0	0,132436	1,73976
2	2,80013	2,19951E-17	0	970.309,91	4,18077	0,070291	-152,817	0	0,732551	1,8067
2	2,86416	0,043463	0	966.489,43	4,25449	0,0938372	-151,837	0	0,632965	1,79554

2	3,112 99	0,17591 4	0	964.83 6,81	4,6322 4	0,1687 19	-150,978	0	0,4635 13	1,7839 6
2	3,411 59	0,30057 4	0	966.08 9,79	5,1955 5	0,2332 22	-150,729	0	0,3829 94	1,7786
2	3,769 91	0,42828 6	0	965.39 8,12	5,9583 2	0,2865 01	-150,008	0	0,3352 89	1,7682 5
2	4,199 89	0,56522 8	0	962.89 2,45	6,9432 9	0,3273 21	-148,779	0	0,3054 45	1,7524 8
2	4,715 87	0,71748	0	958.96 3,07	8,1740 9	0,3561 65	-147,062	0	0,2873 38	1,7315 1
2	5,335 04	0,89219 5	0	953.64 5,55	9,6748	0,3744 81	-144,813	0	0,2783 16	1,7052
2	6,078 05	1,09827	0	946.83 8,18	11,471 2	0,3838	-141,952	0	0,2773 79	1,6732 6
2	6,969 66	1,34816	0	938.41 9,21	13,587 8	0,3861 85	-138,387	0	0,2841 8	1,6355 4
2	8,039 59	1,65944	0	928.31 1,91	16,047 6	0,3839 46	-134,027	0	0,2986 68	1,5921 5
2	9,323 51	2,05657	0	916.47 9,94	18,870 5	0,3788 33	-128,753	0	0,3210 54	1,5431 4
2	10,86 42	2,57432	0	902.88 6,92	22,061	0,3716 86	-122,359	0	0,3518 09	1,4880 5
2	12,71 31	3,26227	0	884.47 3,45	25,582 3	0,3621 46	-113,831	0	0,3936 03	1,4223 1
2	14,68 61	4,09402	0	843.55 1,03	28,860 8	0,3508 88	-99,3767	0	0,4534 97	1,3348
2	14,68 61	4,09402	0	843.55 1,03	28,860 8	0,3508 88	-99,3767	0	0,4534 97	1,3348
2	14,93 17	4,20765	0	834.24 7,33	28,963 7	0,3482 84	-96,4435	0	0,4642 49	1,3197 4
2	17,55 94	5,58115	0	682.88 3,78	30,810 9	0,3962 55	-59,3783	0	0,5533 85	1,1903 5
2	17,55 94	5,58115	0	682.88 3,78	30,810 9	0,3962 55	-59,3783	0	0,5533 85	1,1903 5
2	17,59 4	5,60033	0	680.14 5,58	30,829 3	0,3980 79	-58,8167	0	0,5542 06	1,1890 6
2	20,78 88	7,4587	0	366.08 5,80	31,327 7	0,8373 55	-6,92644	0	0,5988 98	1,1268 8

2	24,62 26	9,77712	0	234.67 2,93	31,652 9	1,3380 6	6,56394	0	0,6080 41	1,1370 4
2	29,22 31	12,5809	0	209.25 9,45	31,812 4	1,5031 8	9,06486	0	0,6104 87	1,1391
2	34,74 37	15,9557	0	195.45 5,68	31,989 1	1,6151 5	10,5907	0	0,6120 27	1,1398 3
2	41,36 84	20,0544	0	181.75 9,63	32,201 7	1,7157 6	12,072	0	0,6264 48	1,1411
2	49,31 81	25,1211	0	168.09 8,58	32,462 1	1,8268 3	13,5166	0	0,6481 2	1,1430 1
2	58,85 77	31,4266	0	154.09 8,98	32,782 9	1,9652 8	14,8981	0	0,6737 49	1,1455 6
2	70,30 53	39,3154	0	139.46 0,37	33,18	2,1383 3	16,1869	0	0,7043 03	1,1487
2	83,63 74	49,2443	0	124.03 4,95	33,674 1	2,3558 4	17,3571	0	0,7408 42	1,1523 5
2	99,15 83	61,8221	0	108.32 0,03	34,292 2	2,6300 4	18,3894	0	0,7849 4	1,1563 3
2	117,9 12	77,8737	0	92.681, 15	35,070 8	2,9829	19,7651	0	0,8382 2	1,1587 5
2	140,6 06	98,5396	0	77.897, 26	36,059	3,4387 6	21,4406	0	0,9030 82	1,1596 2
2	167,9 9	125,107	0	64.801, 77	37,310 2	3,8705 8	22,5331	0	0,9603 75	1,1605 6
2	200,9 6	159,009	0	51.953, 90	38,881 2	4,3662	23,3289	0	1,0226 9	1,1618 8
2	240,6 3	202,402	0	40.868, 69	40,857 9	4,9556 1	23,9009	0	1,0926 7	1,1634 5
2	278,6 81	246,744	0	33.301, 24	42,845 5	5,5203 3	24,236	0	1,1556 1	1,1648
2	288,4 31	258,142	0	31.429, 75	43,351 5	5,6607 5	24,2983	0	1,1707	1,1651 1
2	345,8 02	329,907	0	23.714, 53	46,501 5	6,5003 3	24,565	0	1,2580 8	1,1667
2	414,8 12	422,572	0	17.501, 47	50,488 1	7,5013 1	24,738	0	1,3553 7	1,1681 4
2	497,8 3	542,508	0	12.689, 06	55,540 1	8,6937 2	24,8465	0	1,4633 4	1,1693 8

2	552,608	627,3110	0	11.324,34	59,0516	9,48208	24,8887	0	1,53079	1,16999
3	20,2403	-4,69338	0	1,00	0,00177245	0,782428	24,6246	0	0,614873	1,1739
3	20,3403	-4,65539	0	726.655,78	0,991695	0,015393	-111,967	0	0,312862	1,54743
3	20,4403	-4,62512	0	771.812,57	1,36334	0,0255619	-120,642	0	0,295431	1,59517
3	20,5403	-4,59605	0	793.968,20	1,66053	0,0348589	-124,858	0	0,286695	1,62047
3	20,6403	-4,56767	0	808.607,66	1,91994	0,0435004	-127,639	0	0,281013	1,63805
3	20,7403	-4,53978	0	819.373,01	2,15591	0,0516248	-129,68	0	0,277017	1,65144
3	20,8403	-4,51223	0	827.727,11	2,37684	0,0592743	-131,262	0	0,274128	1,6621
3	20,9403	-4,48493	0	834.440,93	2,58684	0,0665119	-132,531	0	0,272025	1,67086
3	21,0403	-4,4578	0	839.982,04	2,78755	0,0734179	-133,579	0	0,270491	1,67821
3	21,1403	-4,4308	0	844.646,89	2,98143	0,0800123	-134,46	0	0,269386	1,6845
3	21,2403	-4,40389	0	848.637,16	3,17005	0,0863143	-135,214	0	0,268616	1,68996
3	21,3403	-4,37705	0	852.318,03	3,35419	0,0923446	-135,912	0	0,267973	1,69509
3	21,4403	-4,35028	0	855.825,22	3,53451	0,0981223	-136,581	0	0,267386	1,70008
3	21,5403	-4,32357	0	859.203,25	3,71155	0,103667	-137,221	0	0,266839	1,70489
3	21,6403	-4,29691	0	862.442,21	3,88574	0,109002	-137,822	0	0,266345	1,70937
3	21,7403	-4,27029	0	865.525,87	4,05748	0,114146	-138,373	0	0,265922	1,71341
3	21,8403	-4,24372	0	868.444,95	4,22701	0,119113	-138,874	0	0,265581	1,717
3	21,94	-	0	871.19	4,3946	0,1239	-139,328	0	0,2653	1,7201

	03	4,21717		9,03	2	14			26	4
3	22,04	-	0	873.79	4,5605	0,1285	-139,736	0	0,2651	1,7228
	03	4,19065		1,01		58			57	8
3	22,14	-	0	876.22	4,7248	0,1330	-140,102	0	0,2650	1,7252
	03	4,16414		5,86	2	55			73	3
3	22,24	-	0	878.50	4,8876	0,1374	-140,429	0	0,2650	1,7272
	03	4,13763		7,44	9	16			73	3
3	22,36	-	0	880.92	5,0812	0,1424	-140,75	0	0,2652	1,729
	03	4,10581		8,68	8	96			54	
3	22,50	-	0	883.36	5,3115	0,1483	-141,031	0	0,2657	1,7302
	43	4,06758		5,64	3	84			4	2
3	22,67	-	0	885.72	5,5873	0,1551	-141,245	0	0,2666	1,7306
	71	4,02161		1,98	5	22			48	
3	22,88	-	0	887.89	5,9236	0,1626	-141,359	0	0,2681	1,7298
	44	3,96621		8,34	4	41			1	
3	23,13	-	0	889.80	6,3376	0,1708	-141,338	0	0,2702	1,7274
	33	3,89924		6,82	6	61			84	3
3	23,43	-	0	891.33	6,8456	0,1798	-141,14	0	0,2733	1,7230
	19	3,81808		8,55	5				72	1
3	23,79	-	0	892.37	7,4667	0,1894	-140,719	0	0,2775	1,7161
	02	3,71939		9,01	7	99			92	
3	24,22	-	0	892.83	8,2268	0,1999	-140,029	0	0,2831	1,7062
	02	3,59885		3,61	7	59			57	5
3	24,73	-	0	892.62	9,1558	0,2112	-139,029	0	0,2902	1,6930
	61	3,45093		0,78	9	44			74	8
3	25,35	-	0	891.68	10,289	0,2234	-137,679	0	0,2991	1,6763
	53	3,26847		0,68	3	67			27	4
3	26,09	-	0	889.98	11,669	0,2367	-135,949	0	0,3098	1,6559
	83	3,04224		7,35	6	99			4	3
3	26,98	-	0	887.54	13,347	0,2514	-133,818	0	0,3224	1,6319
	99	2,76032		1,84	2	27			94	2
3	28,05	-	0	884.37	15,381	0,2675	-131,269	0	0,3371	1,6044
	99	2,40742		2,77	4	33			09	8
3	29,34	-	0	880.53	17,841	0,2852	-128,286	0	0,3536	1,5738
	38	1,96388		4,80		79			48	4
3	30,88	-	0	876.03	20,804	0,3047	-124,837	0	0,3720	1,5401
	45	1,40465		1,70	1	59			55	5
3	32,73	-	0	869.85	24,351	0,3264	-120,686	0	0,3926	1,5024

	33	0,69750 5		7,72	2	52			95	8
3	34,46 8	3,20507 E-13	0	861.56 6,11	27,649 4	0,3465 1	-116,461	0	0,4113 12	1,4682 1
3	34,46 8	3,20507 E-13	0	866.25 8,93	27,110 7	0,3267 07	-118,006	0	0,4468 18	1,4789 5
3	34,95 19	0,21639 9	0	863.04 4,00	28,010 8	0,3370 96	-116,61	0	0,4474 09	1,4682 8
3	37,61 43	1,42033	0	844.11 1,30	32,952 2	0,3839 52	-109,076	0	0,4579 7	1,4154 8
3	40,80 91	2,91558	0	815.27 3,93	38,693 4	0,4291 54	-99,308	0	0,4792 41	1,3579 1
3	44,64 28	4,81309	0	761.76 3,18	44,963 4	0,4856 18	-84,1745	0	0,5118 69	1,2880 9
3	47,38 1	6,25429	0	695.70 3,81	48,653	0,5398 02	-67,6763	0	0,5427 42	1,2299 5
3	47,38 1	6,25429	0	695.70 3,81	48,653	0,5398 02	-67,6763	0	0,5427 42	1,2299 5
3	48,92 59	7,11322	0	636.42 5,01	49,767 8	0,5881 21	-53,8153	0	0,5649 22	1,1908 2
3	48,92 59	7,11322	0	636.42 5,01	49,767 8	0,5881 21	-53,8153	0	0,5649 22	1,1908 2
3	49,24 34	7,29332	0	621.12 8,02	49,950 8	0,6050 53	-50,6011	0	0,5688 13	1,1835 1
3	54,76 4	10,5619	0	288.43 1,66	50,749 7	1,4843 7	0,657548	0	0,6046 93	1,1351 1
3	61,38 87	14,771	0	211.86 7,75	51,110 4	1,9056 2	8,3003	0	0,6585 75	1,1417 5
3	69,33 84	20,0995	0	196.38 1,10	51,387 1	2,0220 1	10,241	0	0,6812 54	1,1423 9
3	78,87 8	26,7252	0	179.70 8,22	51,727 1	2,1672 4	12,0949	0	0,7077 39	1,1439
3	90,32 56	35,0062	0	162.05 9,55	52,146 7	2,3489	13,8245	0	0,7389 75	1,1462 4
3	104,0 63	45,4129	0	142.97 8,04	52,667 1	2,5769 5	15,399	0	0,7761 11	1,1493 4
3	120,5 47	58,5726	0	122.05 3,76	53,316 3	2,8647 7	16,7954	0	0,8205	1,1530 3

3	140,3 28	75,3298	0	101.30 4,79	54,131 1	3,2305 4	17,9997	0	0,8737 51	1,1571
3	164,0 66	96,8303	0	81.930, 17	55,160 8	3,699	19,0076	0	0,9377 89	1,1613 3
3	192,5 51	124,425	0	68.000, 64	56,461 3	4,1581 1	20,7022	0	0,9963 54	1,1609 5
3	226,7 33	159,574	0	56.003, 61	58,090 1	4,6720 2	21,9955	0	1,0593 9	1,1612 1
3	267,7 52	204,48	0	45.291, 22	60,134 7	5,2837 3	22,9565	0	1,1294 2	1,1621 2
3	316,9 74	262,022	0	36.013, 35	62,706 5	6,0091 1	23,6479	0	1,2076 9	1,1634 3
3	375,8 51	335,965	0	28.023, 70	65,947 9	6,8709 6	24,1298	0	1,2949 2	1,1649 1
3	382,4 43	344,512	0	27.140, 17	66,318 6	6,9664 8	24,1689	0	1,3042 3	1,1650 6
3	446,4 64	431,284	0	21.359, 09	70,041 4	7,8964	24,4548	0	1,3920 1	1,1664 2
3	531,1 83	554,311	0	15.984, 96	75,214 1	9,1120 3	24,6676	0	1,4994 8	1,1678 2
3	632,9 09	713,499	0	11.782, 74	81,759 1	10,552 2	24,8025	0	1,6181 1	1,1690 6
3	729,7 65	875,891	0	9.092,5 8	88,297 6	11,904 5	24,8727	0	1,7224 8	1,1699 1
4	34,61 1	-5,6312	0	1,00	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
4	34,71 1	- 5,58987	0	677.28 0,77	1,0973 5	0,0124 283	-103,581	0	0,3554 92	1,5113 6
4	34,81 1	- 5,55509	0	718.62 6,07	1,514	0,0209 708	-111,529	0	0,3438 18	1,5503 4
4	34,91 1	- 5,52097	0	736.79 3,21	1,8463 9	0,0290 631	-114,99	0	0,3386 04	1,5685 3
4	35,01 1	- 5,48734	0	750.74 7,15	2,1346 4	0,0366 313	-117,706	0	0,3341 14	1,5837 3
4	35,11 1	- 5,45411	0	761.91 4,58	2,3952	0,0437 631	-119,89	0	0,3304 89	1,5964 5
4	35,21	-	0	771.11	2,6372	0,0505	-121,69	0	0,3275	1,6072

	1	5,42122		3,30	1	107			9	5
4	35,31 1	- 5,38858	0	778.84 5,33	2,8654	0,0569 324	-123,202	0	0,3252 77	1,6165 4
4	35,41 1	- 5,35615	0	785.46 1,94	3,0825 3	0,0630 827	-124,494	0	0,3234 2	1,6246 4
4	35,51 1	-5,3239	0	791.19 8,64	3,291	0,0689 879	-125,612	0	0,3219 33	1,6317 7
4	35,61 1	- 5,29177	0	796.22 3,51	3,4927 6	0,0746 625	-126,59	0	0,3207 5	1,6381 1
4	35,71 1	- 5,25975	0	800.66 7,00	3,6889 8	0,0801 28	-127,454	0	0,3198 17	1,6437 8
4	35,81 1	- 5,22781	0	804.62 6,81	3,8804 5	0,0854 05	-128,224	0	0,3190 93	1,6488 9
4	35,91 1	- 5,19593	0	808.17 7,76	4,0679	0,0905 078	-128,914	0	0,3185 47	1,6535 3
4	36,01 1	-5,1641	0	811.43 5,16	4,2518 2	0,0954 445	-129,547	0	0,3181 22	1,6578 3
4	36,11 1	- 5,13231	0	814.58 6,26	4,4326 6	0,1002 1	-130,162	0	0,3177 24	1,6620 6
4	36,21 1	- 5,10057	0	817.65 8,28	4,6107 9	0,1048 14	-130,758	0	0,3173 44	1,6661 9
4	36,31 1	- 5,06886	0	820.68 3,40	4,7865 6	0,1092 63	-131,337	0	0,3169 69	1,6702
4	36,41 1	- 5,03718	0	823.63 2,13	4,9601 3	0,1135 75	-131,887	0	0,3166 19	1,6739 6
4	36,51 1	- 5,00553	0	826.51 5,08	5,1317 8	0,1177 57	-132,409	0	0,3162 92	1,6774 7
4	36,61 1	- 4,97391	0	829.30 9,48	5,3016 4	0,1218 17	-132,9	0	0,3160 02	1,6807 3
4	36,73 1	- 4,93601	0	832.53 8,87	5,5033 4	0,1265 41	-133,448	0	0,3157 1	1,6842 7
4	36,87 5	- 4,89056	0	836.21 6,77	5,7425 7	0,1320 15	-134,045	0	0,3154 52	1,688
4	37,04 78	- 4,83607	0	840.34 1,05	6,026	0,1383 27	-134,679	0	0,3152 81	1,6917 8
4	37,25 51	-4,7707	0	844.88 1,51	6,3614 5	0,1455 75	-135,33	0	0,3152 73	1,6953 8
4	37,50	-	0	849.79	6,7580	0,1538	-135,976	0	0,3155	1,6985

	4	4,69223		4,26	7	58			17	7
4	37,80 26	- 4,59793	0	854.97 3,66	7,2344 9	0,1630 99	-136,58	0	0,3161 58	1,7009 7
4	38,16 09	- 4,48441	0	860.11 4,16	7,8190 9	0,1730 89	-137,049	0	0,3175 01	1,7016 6
4	38,59 09	- 4,34737	0	864.70 2,40	8,5479 3	0,1835 93	-137,237	0	0,3200 22	1,6992 6
4	39,10 69	- 4,18126	0	868.31 0,31	9,4489 7	0,1947 19	-137,018	0	0,3241 72	1,6925 7
4	39,72 6	- 3,97873	0	870.81 8,01	10,541 2	0,2069 16	-136,354	0	0,3301 47	1,6813
4	40,46 9	- 3,73052	0	872.26 9,64	11,878 9	0,2200 6	-135,214	0	0,3380 4	1,6652 2
4	41,36 06	- 3,42472	0	872.63 3,59	13,511 9	0,2343 42	-133,563	0	0,3479 8	1,6442 3
4	42,43 06	-3,046	0	871.94 3,15	15,498	0,2500 21	-131,387	0	0,3599 81	1,6185 6
4	43,71 45	- 2,57483	0	870.26 7,20	17,905 8	0,2673 45	-128,677	0	0,3739 75	1,5885 6
4	45,25 52	- 1,98607	0	866.84 5,17	20,812 1	0,2869 1	-125,272	0	0,3901 65	1,5538 5
4	47,10 4	- 1,24731	0	860.01 3,80	24,301 6	0,3098 66	-120,866	0	0,4088 62	1,5136 9
4	49,32 27	- 0,31657 9	0	848.45 9,36	28,462 2	0,3374 74	-115,239	0	0,4299 23	1,4685
4	50,05 34	2,42089 E-13	0	843.95 2,57	29,820 9	0,3466 55	-113,321	0	0,4365 12	1,4544
4	50,05 34	2,42089 E-13	0	848.68 1,12	29,290 7	0,3305 01	-114,803	0	0,4675 25	1,4641 2
4	51,98 5	0,90618	0	834.29 2,67	32,832 3	0,3671 12	-109,237	0	0,4713 12	1,4256 1
4	55,17 98	2,43346	0	807.35 6,10	38,587 2	0,4168 79	-99,9784	0	0,4861 26	1,3699 5
4	59,01 35	4,34275	0	762.48 3,22	45,046 6	0,4750 19	-86,8839	0	0,5108 77	1,3066 3
4	63,61 41	6,77729	0	667.46 8,71	51,460 3	0,5704 23	-63,2737	0	0,5503 56	1,2234 8

4	63,81 94	6,89054	0	661.27 4,99	51,682 2	0,5758 9	-61,7851	0	0,5527 07	1,2190 4
4	63,81 94	6,89054	0	661.27 4,99	51,682 2	0,5758 9	-61,7851	0	0,5527 07	1,2190 4
4	65,04 69	7,57994	0	616.62 2,13	52,562 6	0,6176 86	-51,4041	0	0,5678 85	1,1908 2
4	65,04 69	7,57994	0	616.62 2,13	52,562 6	0,6176 86	-51,4041	0	0,5678 85	1,1908 2
4	69,13 47	9,97841	0	355.05 8,50	53,366 7	1,1987 3	-7,16912	0	0,6001 73	1,1339 2
4	75,75 94	14,1221	0	208.56 1,72	53,932 3	1,9343 8	8,14655	0	0,6633 25	1,1435 8
4	83,70 91	19,5132	0	188.71 1,00	54,216 1	2,0731 3	10,3034	0	0,6899 65	1,1445 6
4	93,24 87	26,2222	0	170.94 0,14	54,560 8	2,2200 7	12,1201	0	0,7165 19	1,1458 5
4	104,6 96	34,6041	0	152.26 9,62	54,985 8	2,4038 1	13,8209	0	0,7478 17	1,1479 5
4	118,4 33	45,1327	0	133.08 4,12	55,512 5	2,6344 2	15,3753	0	0,7850 15	1,1507 9
4	134,9 18	58,4398	0	113.86 2,26	56,169 1	2,9254	16,7592	0	0,8294 65	1,1542 1
4	154,6 99	75,3749	0	95.123, 83	56,992 6	3,2950 2	17,9575	0	0,8827 77	1,1580 3
4	178,4 37	97,0901	0	77.382, 23	58,032 5	3,7677 7	18,964	0	0,9468 18	1,1620 2
4	206,9 22	124,921	0	64.542, 21	59,343 8	4,2263 5	20,5486	0	1,0048 8	1,1618 2
4	241,1 04	160,361	0	53.448, 02	60,985 6	4,7443 8	21,8722	0	1,0678 5	1,1618 5
4	282,1 23	205,614	0	43.595, 67	63,045 1	5,3598 4	22,8611	0	1,1378 7	1,1625 6
4	331,3 45	263,569	0	34.999, 91	65,634 3	6,0894 2	23,5767	0	1,2160 4	1,1637 1
4	390,4 12	338,001	0	27.522, 09	68,895 5	6,9554 1	24,0783	0	1,3031 5	1,1650 7
4	397,9 46	347,86	0	26.678, 77	69,322 8	7,0652 4	24,1249	0	1,3138 1	1,1652 4

4	461,292	433,84	0	21.118,86	73,0099	7,98371	24,4193	0	1,39999	1,16649
4	546,348	557,54	0	15.927,07	78,2082	9,20358	24,6437	0	1,50728	1,16784
4	648,416	717,515	0	11.813,01	84,7822	10,648	24,787	0	1,62571	1,16904
4	747,78	884,405	0	9.097,11	91,4969	12,0338	24,8633	0	1,73216	1,1699
5	48,084	-6,28424	0	1,00	0,00177245	0,782428	24,6246	0	0,614873	1,1739
5	48,184	-6,24112	0	647.015,80	1,16664	0,0111327	-98,4782	0	0,379091	1,49152
5	48,284	-6,20385	0	687.329,25	1,61421	0,0189185	-106,285	0	0,369628	1,52766
5	48,384	-6,16704	0	701.739,04	1,96951	0,0265113	-108,979	0	0,366779	1,54058
5	48,484	-6,13052	0	714.104,51	2,27832	0,0336134	-111,417	0	0,363368	1,55329
5	48,584	-6,09434	0	724.829,82	2,55657	0,040295	-113,562	0	0,360225	1,56498
5	48,684	-6,05846	0	734.054,58	2,81355	0,0466256	-115,413	0	0,357547	1,57538
5	48,784	-6,02282	0	742.046,03	3,05499	0,0526525	-117,015	0	0,355308	1,5846
5	48,884	-5,98739	0	749.038,54	3,284	0,0584276	-118,416	0	0,353441	1,59282
5	48,984	-5,95213	0	755.208,92	3,50328	0,0639751	-119,649	0	0,35189	1,60019
5	49,084	-5,91701	0	760.693,63	3,71498	0,0693096	-120,743	0	0,350609	1,60683
5	49,184	-5,882	0	765.603,26	3,92039	0,0744521	-121,72	0	0,349557	1,61285
5	49,284	-5,8471	0	770.024,24	4,12039	0,0794219	-122,599	0	0,3487	1,61833
5	49,384	-5,81227	0	774.026,84	4,3157	0,0842351	-123,394	0	0,348011	1,62334
5	49,48	-	0	777.66	4,5070	0,0889	-124,115	0	0,3474	1,6279

	4	5,77749		5,80	2	016			68	4
5	49,58 4	- 5,74277	0	780.98 8,48	4,6948 9	0,0934 315	-124,774	0	0,3470 51	1,6321 8
5	49,68 4	- 5,70808	0	784.03 6,58	4,8797 7	0,0978 321	-125,378	0	0,3467 44	1,6361 1
5	49,78 4	- 5,67342	0	786.96 8,93	5,0619	0,1020 96	-125,959	0	0,3464 71	1,6399 2
5	49,88 4	- 5,63879	0	789.85 2,91	5,2414 8	0,1062 26	-126,532	0	0,3462 03	1,6437 2
5	49,98 4	- 5,60419	0	792.72 5,51	5,4186 4	0,1102 29	-127,098	0	0,3459 23	1,6474 9
5	50,08 4	- 5,56962	0	795.53 2,41	5,5937 5	0,1141 21	-127,637	0	0,3456 62	1,6510 2
5	50,20 4	- 5,52816	0	798.88 2,67	5,8013 9	0,1186 44	-128,263	0	0,3453 42	1,6550 9
5	50,34 8	- 5,47846	0	802.78 4,93	6,0472 7	0,1238 85	-128,966	0	0,3450 01	1,6595 6
5	50,52 08	- 5,41887	0	807.28 7,08	6,3382	0,1299 25	-129,741	0	0,3446 62	1,6643 4
5	50,72 81	- 5,34742	0	812.36 0,03	6,6821 3	0,1368 57	-130,566	0	0,3443 98	1,6692 3
5	50,97 7	- 5,26174	0	817.96 2,87	7,0882	0,1447 73	-131,417	0	0,3442 95	1,6739 5
5	51,27 55	- 5,15892	0	824.01 0,67	7,5673 8	0,1537 74	-132,258	0	0,3444 68	1,6781 7
5	51,63 39	-5,0354	0	830.37 8,81	8,1416 7	0,1637 83	-133,041	0	0,3450 78	1,6813 8
5	52,06 38	- 4,88677	0	836.85 8,30	8,8428 9	0,1745 95	-133,691	0	0,3463 69	1,6828 6
5	52,57 98	-4,7075	0	843.16 9,09	9,7076 6	0,1860 28	-134,109	0	0,3486 78	1,6815 9
5	53,19 9	- 4,49051	0	848.95 9,30	10,775 6	0,1980 23	-134,171	0	0,3524 09	1,6763 6
5	53,94 2	- 4,22669	0	853.82 8,03	12,088 2	0,2107 23	-133,749	0	0,3579 68	1,6660 1
5	54,83 36	- 3,90413	0	857.27 5,47	13,693 8	0,2244 53	-132,702	0	0,3657 29	1,6494 9
5	55,90	-	0	859.10	15,649	0,2395	-130,972	0	0,3757	1,6266

	36	3,50748		2,88	1	94			96	8
5	57,18 75	- 3,01694	0	858.78 9,31	18,023	0,2567 04	-128,45	0	0,3882 84	1,5974 4
5	58,72 82	- 2,40724	0	855.64 6,72	20,893 4	0,2765 35	-125,012	0	0,4032 23	1,5619 6
5	60,57 7	-1,6457	0	849.02 9,78	24,347 2	0,2999 88	-120,566	0	0,4204 01	1,5210 3
5	62,79 56	- 0,69140 9	0	837.87 9,11	28,478 1	0,3281 63	-114,95	0	0,4396 06	1,4754 3
5	64,34 63	6,64182 E-16	0	828.24 4,54	31,339 3	0,3481 07	-110,876	0	0,4521 36	1,4458 6
5	64,34 63	6,64182 E-16	0	833.08 8,97	30,811	0,3338 76	-112,33	0	0,4805 12	1,4549 5
5	65,45 8	0,53466 2	0	824.74 8,09	32,834 6	0,3552 53	-109,121	0	0,4815 41	1,4330 2
5	68,65 28	2,08822	0	798.80 5,52	38,584	0,4075 79	-100,058	0	0,4921 55	1,3777 8
5	72,48 65	4,01299	0	757.82 6,32	45,124 2	0,4667 6	-87,8437	0	0,5125 37	1,3171 9
5	77,08 7	6,43983	0	678.98 3,37	51,932 7	0,5576 66	-67,9394	0	0,5437 49	1,2434 6
5	78,76 78	7,36577	0	635.31 3,98	53,876 9	0,6020 96	-57,4877	0	0,5591 11	1,2120 9
5	78,76 78	7,36577	0	635.31 3,98	53,876 9	0,6020 96	-57,4877	0	0,5591 11	1,2120 9
5	79,75 61	7,92462	0	600.53 0,63	54,580 2	0,6378 27	-49,4568	0	0,5700 95	1,1908 2
5	79,75 61	7,92462	0	600.53 0,63	54,580 2	0,6378 27	-49,4568	0	0,5700 95	1,1908 2
5	82,60 76	9,58741	0	425.72 0,65	55,250 5	0,9732 26	-17,5882	0	0,5945 94	1,1410 2
5	89,23 24	13,6683	0	214.32 2,30	55,982 5	1,8992 7	7,42808	0	0,6565 16	1,1438 5
5	97,18 21	19,0785	0	185.17 1,93	56,284 6	2,0969 3	10,3233	0	0,6939 39	1,1460 1
5	106,7 22	25,8255	0	167.37 9,47	56,631 4	2,2444 5	12,1225	0	0,7205 03	1,1471 5

5	118,1 69	34,2533	0	148.69 7,68	57,059	2,4291 5	13,8117	0	0,7518 44	1,1490 9
5	131,9 06	44,8376	0	129.55 7,47	57,588 8	2,6609 3	15,3579	0	0,7890 77	1,1517 5
5	148,3 91	58,2118	0	110.44 8,82	58,248 8	2,9533 4	16,737	0	0,8335 59	1,155
5	168,1 72	75,2283	0	91.911, 08	59,076 4	3,3247 2	17,9333	0	0,8869 01	1,1586 5
5	191,9 1	97,0353	0	74.777, 07	60,120 8	3,7905	18,9293	0	0,9495 46	1,1624 1
5	220,3 95	124,911	0	62.563, 11	61,434 2	4,2355 7	20,429	0	1,0064 3	1,1623
5	254,5 77	160,394	0	51.723, 50	63,078	4,7558 8	21,7843	0	1,0691 4	1,1621 7
5	295,5 96	205,702	0	42.120, 37	65,14	5,3720 7	22,7975	0	1,1392 1	1,1627 7
5	344,8 18	263,724	0	33.766, 09	67,732	6,1025 2	23,5317	0	1,2173 8	1,1638 3
5	403,8 85	338,241	0	26.638, 17	70,996 9	6,9686 9	24,0475	0	1,3046 4	1,1651 3
5	412,7 99	349,925	0	25.787, 03	71,503 2	7,1011 1	24,1039	0	1,3168	1,1653 2
5	474,7 65	434,23	0	20.687, 09	75,116 9	7,9997 6	24,3983	0	1,4014 5	1,1665 1
5	559,8 21	558,052	0	15.783, 21	80,319 9	9,2206	24,63	0	1,5087 3	1,1678 3
5	661,8 89	718,173	0	11.841, 86	86,899 3	10,666	24,7782	0	1,6271 3	1,1690 2
5	763,8 19	889,656	0	9.078,5 7	93,796 4	12,088	24,8589	0	1,7361 9	1,1698 9
6	61,00 57	-6,7912	0	1,00	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
6	61,10 57	- 6,74682	0	623.98 1,79	1,2177 7	0,0103 441	-94,6068	0	0,3958 01	1,4773 7
6	61,20 57	- 6,70781	0	663.63 1,85	1,6887 6	0,0176 613	-102,341	0	0,3876 35	1,5117 8
6	61,30	-	0	675.67	2,0631	0,0249	-104,548	0	0,3861	1,5216

	57	6,66913		9,08	8	081			11	1
6	61,40	-	0	686.44	2,3866	0,0317	-106,684	0	0,3835	1,5321
	57	6,63063		1,80	6	51			7	8
6	61,50	-6,5924	0	696.50	2,6776	0,0381	-108,731	0	0,3808	1,5428
	57			5,03	3	841			49	2
6	61,60	-	0	705.52	2,9462	0,0442	-110,577	0	0,3783	1,5527
	57	6,55444		8,29	2	64			83	2
6	61,70	-	0	713.55	3,1976	0,0500	-112,22	0	0,3762	1,5617
	57	6,51671		3,52	2	582			4	5
6	61,80	-	0	720.70	3,4358	0,0556	-113,681	0	0,3744	1,5699
	57	6,47919		1,48	6	009			06	4
6	61,90	-	0	727.09	3,6638	0,0609	-114,985	0	0,3728	1,5773
	57	6,44183		4,81	8	159			51	7
6	62,00	-	0	732.84	3,8836	0,0660	-116,154	0	0,3715	1,5841
	57	6,40461		0,82		277			39	5
6	62,10	-	0	738.02	4,0963	0,0709	-117,207	0	0,3704	1,5903
	57	6,36751		9,82	1	589			38	4
6	62,20	-	0	742.73	4,3030	0,0757	-118,161	0	0,3695	1,5960
	57	6,33052		7,23	5	269			2	1
6	62,30	-	0	747.02	4,5047	0,0803	-119,028	0	0,3687	1,6012
	57	6,29361		6,35	7	438			61	4
6	62,40	-	0	750.95	4,7021	0,0848	-119,82	0	0,3681	1,6060
	57	6,25676		0,10	7	205			4	6
6	62,50	-	0	754.55	4,8956	0,0891	-120,547	0	0,3676	1,6105
	57	6,21997		4,50	2	726			4	4
6	62,60	-	0	757.87	5,0853	0,0934	-121,217	0	0,3672	1,6147
	57	6,18323		8,78	4	146			42	
6	62,70	-	0	760.95	5,2720	0,0975	-121,836	0	0,3669	1,6185
	57	6,14652		2,15	2	469			37	8
6	62,80	-	0	763.80	5,4557	0,1015	-122,41	0	0,3667	1,6222
	57	6,10983		3,59	8	81			13	1
6	62,90	-	0	766.55	5,6370	0,1055	-122,965	0	0,3665	1,6257
	57	6,07318		4,46	3	04			16	5
6	63,00	-	0	769.29	5,8160	0,1093	-123,517	0	0,3663	1,6293
	57	6,03654		2,32	8	05			09	
6	63,12	-	0	772.56	6,0282	0,1137	-124,168	0	0,3660	1,6334
	57	5,99262		8,06	7	19			46	9
6	63,26	-	0	776.48	6,2795	0,1188	-124,923	0	0,3657	1,6382

	97	5,93994		8,18	7	2			15	8
6	63,44 25	- 5,87678	0	781.09 8,81	6,5766 7	0,1246 89	-125,777	0	0,3653 4	1,6435 8
6	63,64 99	- 5,80105	0	786.43 2,90	6,9276 3	0,1314 09	-126,715	0	0,3649 62	1,6492 3
6	63,89 87	- 5,71027	0	792.43 4,76	7,3415 9	0,1390 73	-127,708	0	0,3646 74	1,6549 4
6	64,19 73	-5,6014	0	799.02 1,43	7,8292	0,1477 83	-128,719	0	0,3645 85	1,6603 8
6	64,55 57	- 5,47074	0	806.08 3,30	8,4029	0,1576 53	-129,705	0	0,3648 23	1,6651 3
6	64,98 56	- 5,31374	0	813.45 0,68	9,0882	0,1686 08	-130,604	0	0,3655 64	1,6685 9
6	65,50 16	- 5,12475	0	820.84 2,98	9,9327 5	0,1802 53	-131,32	0	0,3671 06	1,6698 3
6	66,12 08	- 4,89665	0	827.89 1,34	10,978 6	0,1924 64	-131,724	0	0,3698 48	1,6675 9
6	66,86 38	- 4,62031	0	834.15 3,56	12,269 7	0,2053 15	-131,666	0	0,3742 29	1,6604 9
6	67,75 54	- 4,28394	0	839.18 7,96	13,854 6	0,2190 72	-131,008	0	0,3806 05	1,6473 5
6	68,82 53	- 3,87222	0	842.49 0,54	15,789 6	0,2341 76	-129,61	0	0,3892 73	1,6273 1
6	70,10 93	- 3,36542	0	843.54 6,92	18,142 5	0,2512 1	-127,361	0	0,4003 52	1,6001 4
6	71,65 74	- 2,73829	0	841.77 3,71	20,992 3	0,2709 08	-124,163	0	0,4138 03	1,5661 9
6	73,49 88	- 1,95872	0	836.44 9,03	24,428 5	0,2941 81	-119,913	0	0,4294 65	1,5262 2
6	75,71 74	- 0,98605 6	0	826.58 8,19	28,545 7	0,3221 87	-114,474	0	0,4471 05	1,4811 8
6	77,88 37	2,48614 E-13	0	813.94 1,77	32,531 4	0,3499 9	-108,915	0	0,4630 41	1,4407 3
6	77,88 37	2,48614 E-13	0	818.91 8,57	32,002 2	0,3369 93	-110,351	0	0,4895 78	1,4493 6
6	78,37 97	0,24286 6	0	815.33 5,50	32,902 4	0,3465 3	-108,941	0	0,4896 25	1,4397 2

6	81,57 45	1,81699	0	790.66 3,00	38,656 1	0,4000 9	-100,036	0	0,4971 59	1,3844 5
6	85,40 83	3,75532	0	752.58 2,35	45,256 6	0,4593 79	-88,3783	0	0,5146 26	1,3252 2
6	90,00 88	6,18321	0	682.19 4,20	52,289 9	0,5456 61	-70,2075	0	0,5420 45	1,2552 4
6	92,70 83	7,67575	0	615.08 7,96	55,490 3	0,6168 05	-54,2348	0	0,5646 05	1,2074 2
6	92,70 83	7,67575	0	615.08 7,96	55,490 3	0,6168 05	-54,2348	0	0,5646 05	1,2074 2
6	93,50 88	8,13143	0	587.60 5,61	56,055 1	0,6476 23	-47,8349	0	0,5727 31	1,1908 2
6	93,50 88	8,13143	0	587.60 5,61	56,055 1	0,6476 23	-47,8349	0	0,5727 31	1,1908 2
6	95,52 94	9,30669	0	480.55 7,23	56,582 8	0,8327 01	-27,0081	0	0,5898 66	1,1531 4
6	102,1 54	13,3465	0	223.19 1,93	57,395 1	1,8441 4	6,59056	0	0,6460 11	1,1437 3
6	110,1 04	18,74	0	182.88 4,87	57,726 3	2,1065 1	10,385	0	0,6956 18	1,1471 7
6	119,6 43	25,5032	0	164.36 2,52	58,074 2	2,2546 2	12,1696	0	0,7222 13	1,1482 1
6	131,0 91	33,9505	0	145.06 2,67	58,503	2,4396 8	13,8444	0	0,7535 4	1,1500 3
6	144,8 28	44,558	0	125.44 9,31	59,034 1	2,6719 5	15,3794	0	0,7907 78	1,1525 6
6	161,3 13	57,9603	0	106.04 4,86	59,695 8	2,9649 6	16,7498	0	0,8352 66	1,1556 8
6	181,0 94	75,0106	0	87.420, 77	60,525 2	3,3370 7	17,9397	0	0,8886 17	1,1592 1
6	204,8 32	96,8651	0	70.135, 67	61,572	3,8131 1	18,9423	0	0,9527 39	1,1629 3
6	233,3 17	124,878	0	57.982, 83	62,892	4,2757 5	20,4418	0	1,0112 5	1,1628 5
6	267,4 99	160,531	0	47.639, 13	64,543 6	4,7981 7	21,7848	0	1,0741	1,1626 4
6	308,5 18	206,044	0	38.522, 17	66,614 7	5,417	22,7918	0	1,1441 6	1,1631 4

6	357,74	264,309	0	30.631,20	69,2173	6,15007	23,5238	0	1,22233	1,16411
6	416,807	339,112	0	23.996,15	72,4939	7,01965	24,0393	0	1,30939	1,16534
6	421,902	345,801	0	23.667,77	72,7839	7,09422	24,0721	0	1,31661	1,16544
6	487,687	435,453	0	18.409,22	76,628	8,05301	24,3913	0	1,40628	1,16666
6	572,743	559,682	0	13.914,60	81,8468	9,27673	24,6245	0	1,51349	1,16793
6	674,811	720,283	0	10.316,60	88,4443	10,725	24,7742	0	1,63179	1,16909
6	769,22	879,173	0	8.068,76	94,8379	12,0451	24,8513	0	1,73299	1,16988
7	72,333	-7,17043	0	1,00	0,00177245	0,782428	24,6246	0	0,614873	1,1739
7	72,433	-7,12517	0	607.094,26	1,25873	0,00982659	-91,7825	0	0,407368	1,46755
7	72,533	-7,0849	0	645.998,75	1,74848	0,0168399	-99,4207	0	0,400197	1,50063
7	72,633	-7,04495	0	657.040,91	2,13481	0,0238774	-101,419	0	0,399225	1,50908
7	72,733	-7,00511	0	666.226,92	2,46974	0,0305749	-103,232	0	0,397408	1,51766
7	72,833	-6,96548	0	675.651,46	2,7711	0,0368475	-105,173	0	0,395009	1,52742
7	72,933	-6,92609	0	684.367,47	3,04943	0,042753	-106,983	0	0,392744	1,53682
7	73,033	-6,88692	0	692.282,45	3,30957	0,0483778	-108,629	0	0,390721	1,54558
7	73,133	-6,84793	0	699.438,82	3,55547	0,0537635	-110,116	0	0,388953	1,55364
7	73,233	-6,80911	0	705.922,36	3,79004	0,0589401	-111,46	0	0,387419	1,56106
7	73,333	-6,77044	0	711.814,88	4,01541	0,0639291	-112,678	0	0,386095	1,5679
7	73,43	-	0	717.17	4,2334	0,0687	-113,784	0	0,3849	1,5741

	3	6,73189		9,00	1	404			63	9
7	73,53	-	0	722.07	4,4454	0,0733	-114,792	0	0,3840	1,58
	3	6,69344		7,72	2	857			02	
7	73,63	-	0	726.56	4,6525	0,0778	-115,713	0	0,3831	1,5853
	3	6,65508		3,74	4	736			94	6
7	73,73	-6,6168	0	730.68	4,8553	0,0822	-116,557	0	0,3825	1,5903
	3			4,27		204			22	4
7	73,83	-	0	734.48	5,0538	0,0864	-117,333	0	0,3819	1,5949
	3	6,57857		2,61	2	469			69	7
7	73,93	-6,5404	0	737.98	5,2483	0,0905	-118,05	0	0,3815	1,5992
	3			8,06		665			22	8
7	74,03	-	0	741.24	5,4388	0,0945	-118,714	0	0,3811	1,6033
	3	6,50226		2,88	3	952			62	1
7	74,13	-	0	744.27	5,6263	0,0985	-119,332	0	0,3808	1,6071
	3	6,46415		1,39	7	271			8	
7	74,23	-	0	747.09	5,8111	0,1023	-119,908	0	0,3806	1,6106
	3	6,42607		7,36	8	68			67	5
7	74,33	-	0	749.79	5,9935	0,1061	-120,458	0	0,3804	1,6140
	3	6,38801		1,71	3	16			94	8
7	74,45	-	0	753.03	6,2095	0,1104	-121,122	0	0,3802	1,6182
	3	6,34237		9,31	7	59			6	6
7	74,59	-	0	756.94	6,4651	0,1154	-121,904	0	0,3799	1,6231
	7	6,28763		1,09	8	73			54	7
7	74,76	-	0	761.57	6,7671	0,1212	-122,799	0	0,3795	1,6287
	98	6,22201		4,22	5	39			85	
7	74,97	-	0	766.98	7,1234	0,1278	-123,8	0	0,3791	1,6347
	72	6,14334		7,72	4	4			82	3
7	75,22	-	0	773.17	7,5433	0,1353	-124,881	0	0,3788	1,6410
	6	6,04903		0,76		63			12	3
7	75,52	-	0	780.05	8,0376	0,1439	-126,007	0	0,3785	1,6472
	46	5,93596		9,93	2				77	7
7	75,88	-	0	787.53	8,6192	0,1535	-127,127	0	0,3786	1,6529
	29	5,80032		1,78	5	49			13	7
7	76,31	-	0	795.42	9,3037	0,1644	-128,183	0	0,3790	1,6575
	29	5,63745		3,76		16			74	9
7	76,82	-5,4416	0	803.51	10,131	0,1762	-129,099	0	0,3801	1,6604
	89			1,23	4	45			71	3
7	77,44	-	0	811.39	11,161	0,1886	-129,731	0	0,3823	1,6600

	8	5,20557		7,34	4	05			15	8
7	78,19 11	- 4,92017	0	818.60 4,21	12,435	0,2016 04	-129,919	0	0,3859 57	1,6550 8
7	79,08 27	- 4,57367	0	824.67 5,02	14,001 7	0,2154 62	-129,522	0	0,3914 59	1,6442 1
7	80,15 26	- 4,15084	0	829.07 9,54	15,919 8	0,2305 7	-128,389	0	0,3991 4	1,6264 3
7	81,43 65	- 3,63205	0	831.24 3,73	18,256 8	0,2475 06	-126,387	0	0,4091 77	1,6012 3
7	82,97 72	- 2,99211	0	830.54 3,64	21,091 4	0,2670 23	-123,399	0	0,4215 79	1,5687 6
7	84,82 61	- 2,19913	0	826.23 5,01	24,513 7	0,2900 42	-119,321	0	0,4361 93	1,5297 6
7	87,04 47	- 1,21282	0	817.32 5,56	28,620 9	0,3177 35	-114,02	0	0,4527 82	1,4852 7
7	89,66 87	4,75722 E-13	0	802.19 4,74	33,432 9	0,3505 52	-107,28	0	0,4714 45	1,4364 1
7	89,66 87	4,75722 E-13	0	807.29 8,79	32,900 6	0,3384 09	-108,711	0	0,4967 62	1,4447 5
7	89,70 7	0,01903 97	0	807.02 0,92	32,969 8	0,3391 27	-108,601	0	0,4967 54	1,4440 1
7	92,90 18	1,62563	0	774.79 6,46	38,627 9	0,3825	-97,6674	0	0,5119 78	1,3784 7
7	96,73 56	3,64023	0	715.05 3,14	44,840 2	0,4370 25	-81,2178	0	0,5389 54	1,3033 9
7	101,3 36	6,18888	0	608.30 4,47	50,926 6	0,5486 23	-56,3955	0	0,5679 74	1,2241 7
7	103,9 19	7,67575	0	528.04 3,65	53,140 6	0,6572 65	-39,0797	0	0,5832 93	1,1830 6
7	103,9 19	7,67575	0	528.04 3,65	53,140 6	0,6572 65	-39,0797	0	0,5832 93	1,1830 6
7	106,8 57	9,41792	0	357.93 1,41	53,662	1,0549 5	-9,24412	0	0,6010 84	1,1425 6
7	113,4 81	13,5183	0	196.31 9,97	54,314 7	1,8814 4	8,70699	0	0,6546 31	1,1487 4
7	121,4 31	18,8824	0	170.82 4,44	54,609 9	2,0583 8	11,1527	0	0,6880 59	1,1502
7	130,9	25,5722	0	152.42	54,953	2,2049	12,8277	0	0,7143	1,1511

	71			0,37	9	9			79	5
7	142,4 18	33,9286	0	133.39 2,22	55,378 1	2,3881 5	14,4004	0	0,7455 09	1,1528 2
7	156,1 55	44,4246	0	114.19 2,43	55,903 7	2,6179 8	15,8413	0	0,7825 9	1,1551 5
7	172,6 4	57,6909	0	95.429, 47	56,558 7	2,9079 6	17,1268	0	0,8269 55	1,1580 2
7	192,4 21	74,5758	0	77.675, 37	57,380 3	3,2763 6	18,2415	0	0,8802 04	1,1612 6
7	216,1 59	96,2293	0	61.476, 21	58,417 9	3,7467 9	19,1911	0	0,9441 75	1,1646 3
7	244,6 44	124,045	0	49.714, 14	59,729 2	4,2263 4	20,8773	0	1,0049 9	1,1636 8
7	278,8 26	159,487	0	40.205, 55	61,371 8	4,7452 3	22,1063	0	1,0678 9	1,1635 2
7	319,8 45	204,746	0	31.961, 98	63,432 3	5,3612 1	23,0228	0	1,1380 1	1,1640 2
7	369,0 67	262,711	0	24.974, 13	66,022 6	6,0914 2	23,685	0	1,2162 5	1,1649 4
7	406,9 33	309,846	0	20.336, 24	68,095 8	6,6480 8	24,011	0	1,2728 7	1,1656 8
7	428,1 34	337,157	0	19.170, 36	69,285 2	6,9581 3	24,1489	0	1,3034 1	1,1660 9
7	499,0 14	433,019	0	14.412, 15	73,401 4	7,9871 3	24,4638	0	1,4003	1,1673
7	584,0 7	556,751	0	10.666, 89	78,601 8	9,2077 4	24,6709	0	1,5076 4	1,1684 8
7	686,1 38	716,765	0	7.755,0 1	85,178 1	10,653 1	24,8033	0	1,6261 1	1,1695 3
7	729,1 75	787,767	0	6.561,7 4	88,051 2	11,256 1	24,8386	0	1,6732 1	1,1698 8
8	72,33 4	- 7,17043	0	0,99	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
8	72,43 4	- 7,12517	0	601.29 3,00	1,2587 3	0,0098 2659	-91,7825	0	0,4073 68	1,4675 5
8	72,53 4	-7,0849	0	639.82 5,73	1,7484 8	0,0168 399	-99,4207	0	0,4001 97	1,5006 3

8	72,63 4	- 7,04495	0	650.76 2,38	2,1348 1	0,0238 774	-101,419	0	0,3992 25	1,5090 8
8	72,73 4	- 7,00511	0	659.86 0,60	2,4697 4	0,0305 749	-103,232	0	0,3974 08	1,5176 6
8	72,83 4	- 6,96548	0	669.19 5,08	2,7711	0,0368 475	-105,173	0	0,3950 09	1,5274 2
8	72,93 4	- 6,92609	0	677.82 7,81	3,0494 3	0,0427 53	-106,983	0	0,3927 44	1,5368 2
8	73,03 4	- 6,88692	0	685.66 7,15	3,3095 7	0,0483 778	-108,629	0	0,3907 21	1,5455 8
8	73,13 4	- 6,84793	0	692.75 5,14	3,5554 7	0,0537 635	-110,116	0	0,3889 53	1,5536 4
8	73,23 4	- 6,80911	0	699.17 6,73	3,7900 4	0,0589 401	-111,46	0	0,3874 19	1,5610 6
8	73,33 4	- 6,77044	0	705.01 2,93	4,0154 1	0,0639 291	-112,678	0	0,3860 95	1,5679
8	73,43 4	- 6,73189	0	710.32 5,80	4,2334 1	0,0687 404	-113,784	0	0,3849 63	1,5741 9
8	73,53 4	- 6,69344	0	715.17 7,71	4,4454 2	0,0733 857	-114,792	0	0,3840 02	1,58
8	73,63 4	- 6,65508	0	719.62 0,86	4,6525 4	0,0778 736	-115,713	0	0,3831 94	1,5853 6
8	73,73 4	-6,6168	0	723.70 2,02	4,8553	0,0822 204	-116,557	0	0,3825 22	1,5903 4
8	73,83 4	- 6,57857	0	727.46 4,06	5,0538 2	0,0864 469	-117,333	0	0,3819 69	1,5949 7
8	73,93 4	-6,5404	0	730.93 6,01	5,2483	0,0905 665	-118,05	0	0,3815 22	1,5992 8
8	74,03 4	- 6,50226	0	734.15 9,73	5,4388 3	0,0945 952	-118,714	0	0,3811 62	1,6033 1
8	74,13 4	- 6,46415	0	737.15 9,30	5,6263 7	0,0985 271	-119,332	0	0,3808 8	1,6071
8	74,23 4	- 6,42607	0	739.95 8,27	5,8111 8	0,1023 68	-119,908	0	0,3806 67	1,6106 5
8	74,33 4	- 6,38801	0	742.62 6,87	5,9935 3	0,1061 16	-120,458	0	0,3804 94	1,6140 8
8	74,45 4	- 6,34237	0	745.84 3,44	6,2095 7	0,1104 59	-121,122	0	0,3802 6	1,6182 6

8	74,59	-	0	749.70	6,4651	0,1154	-121,904	0	0,3799	1,6231
	8	6,28763		7,93	8	73			54	7
8	74,77	-	0	754.29	6,7671	0,1212	-122,799	0	0,3795	1,6287
	08	6,22201		6,79	5	39			85	
8	74,97	-	0	759.65	7,1234	0,1278	-123,8	0	0,3791	1,6347
	82	6,14334		8,56	4	4			82	3
8	75,22	-	0	765.78	7,5433	0,1353	-124,881	0	0,3788	1,6410
	7	6,04903		2,52		63			12	3
8	75,52	-	0	772.60	8,0376	0,1439	-126,007	0	0,3785	1,6472
	56	5,93596		5,85	2				77	7
8	75,88	-	0	780.00	8,6192	0,1535	-127,127	0	0,3786	1,6529
	39	5,80032		6,31	5	49			13	7
8	76,31	-	0	787.82	9,3037	0,1644	-128,183	0	0,3790	1,6575
	39	5,63745		2,88		16			74	9
8	76,82	-5,4416	0	795.83	10,131	0,1762	-129,099	0	0,3801	1,6604
	99			3,06	4	45			71	3
8	77,44	-	0	803.64	11,161	0,1886	-129,731	0	0,3823	1,6600
	9	5,20557		3,81	4	05			15	8
8	78,19	-	0	810.78	12,435	0,2016	-129,919	0	0,3859	1,6550
	21	4,92017		1,81		04			57	8
8	79,08	-	0	816.79	14,001	0,2154	-129,522	0	0,3914	1,6442
	37	4,57367		4,61	7	62			59	1
8	80,15	-	0	821.15	15,919	0,2305	-128,389	0	0,3991	1,6264
	36	4,15084		7,04	8	7			4	3
8	81,43	-	0	823.30	18,256	0,2475	-126,387	0	0,4091	1,6012
	75	3,63205		0,55	8	06			77	3
8	82,97	-	0	822.60	21,091	0,2670	-123,399	0	0,4215	1,5687
	82	2,99211		7,16	4	23			79	6
8	84,82	-	0	818.33	24,513	0,2900	-119,321	0	0,4361	1,5297
	71	2,19913		9,70	7	42			93	6
8	87,04	-	0	809.51	28,620	0,3177	-114,02	0	0,4527	1,4852
	57	1,21282		5,38	9	35			82	7
8	89,66	4,75722	0	794.52	33,432	0,3505	-107,28	0	0,4714	1,4364
	97	E-13		9,15	9	52			45	1
8	89,66	4,75722	0	799.58	32,900	0,3384	-108,711	0	0,4967	1,4447
	97	E-13		4,43	6	09			62	5
8	89,70	0,01903	0	799.30	32,969	0,3391	-108,601	0	0,4967	1,4440
	8	97		9,21	8	27			54	1

8	92,90 28	1,62563	0	767.39 2,68	38,627 9	0,3825	-97,6674	0	0,5119 78	1,3784 7
8	96,73 66	3,64023	0	708.22 0,26	44,840 2	0,4370 25	-81,2178	0	0,5389 54	1,3033 9
8	101,3 37	6,18888	0	602.49 1,66	50,926 6	0,5486 23	-56,3955	0	0,5679 74	1,2241 7
8	103,9 2	7,67575	0	522.99 7,78	53,140 6	0,6572 65	-39,0797	0	0,5832 93	1,1830 6
8	103,9 2	7,67575	0	522.99 7,78	53,140 6	0,6572 65	-39,0797	0	0,5832 93	1,1830 6
8	106,8 58	9,41792	0	354.85 0,48	53,662	1,0549 5	-9,24412	0	0,6010 84	1,1425 6
8	113,4 82	13,5183	0	197.65 3,35	54,314 7	1,8814 4	8,70699	0	0,6546 31	1,1487 4
8	121,4 32	18,8824	0	178.77 4,91	54,609 9	2,0583 8	11,1527	0	0,6880 59	1,1502
8	130,9 72	25,5722	0	166.63 1,26	54,953 9	2,2049 9	12,8277	0	0,7143 79	1,1511 5
8	142,4 19	33,9286	0	153.63 8,52	55,378 1	2,3881 5	14,4004	0	0,7455 09	1,1528 2
8	156,1 56	44,4246	0	139.97 5,77	55,903 7	2,6179 8	15,8413	0	0,7825 9	1,1551 5
8	172,6 41	57,6909	0	125.86 9,78	56,558 7	2,9079 6	17,1268	0	0,8269 55	1,1580 2
8	192,4 22	74,5758	0	106.53 4,84	57,380 3	3,2763 6	18,2415	0	0,8802 04	1,1612 6
8	216,1 6	96,2293	0	86.563, 99	58,417 9	3,7467 9	19,1911	0	0,9441 75	1,1646 3
8	244,6 45	124,045	0	71.274, 78	59,729 2	4,2263 4	20,8773	0	1,0049 9	1,1636 8
8	278,8 27	159,487	0	58.779, 09	61,371 8	4,7452 3	22,1063	0	1,0678 9	1,1635 2
8	319,8 46	204,746	0	47.722, 35	63,432 3	5,3612 1	23,0228	0	1,1380 1	1,1640 2
8	369,0 68	262,711	0	37.858, 16	66,022 6	6,0914 2	23,685	0	1,2162 5	1,1649 4
8	406,9 34	309,846	0	40.237, 14	68,095 8	6,6480 8	24,011	0	1,2728 7	1,1656 8

8	428,135	337,157	0	29.763,69	69,2852	6,95813	24,1489	0	1,30341	1,16609
8	499,015	433,019	0	23.167,66	73,4014	7,98713	24,4638	0	1,40031	1,16733
8	584,071	556,751	0	17.571,45	78,6018	9,20774	24,6709	0	1,50764	1,16848
8	686,139	716,765	0	12.821,71	85,1781	10,6531	24,8033	0	1,62611	1,16953
8	729,176	787,767	0	11.414,27	88,0512	11,2561	24,8386	0	1,67321	1,16988
9	73,5575	-7,20945	0	1,00	0,00177245	0,782428	24,6246	0	0,614873	1,1739
9	73,6575	-7,16412	0	605.468,20	1,2621	0,00978709	-91,5074	0	0,408506	1,4666
9	73,7575	-7,12375	0	644.348,20	1,75394	0,0167713	-99,1447	0	0,401359	1,49958
9	73,8575	-7,08369	0	655.450,48	2,14116	0,0237877	-101,157	0	0,400368	1,50808
9	73,9575	-7,04374	0	664.448,57	2,47731	0,0304695	-102,93	0	0,398638	1,51643
9	74,0575	-7,00398	0	673.742,11	2,78009	0,0367303	-104,846	0	0,396289	1,52604
9	74,1575	-6,96447	0	682.461,74	3,05871	0,0426441	-106,662	0	0,394014	1,53545
9	74,2575	-6,92517	0	690.401,83	3,3191	0,0482724	-108,316	0	0,391976	1,54423
9	74,3575	-6,88606	0	697.581,63	3,56574	0,0536474	-109,81	0	0,3902	1,55231
9	74,4575	-6,84712	0	704.077,01	3,80136	0,0588022	-111,158	0	0,388668	1,55973
9	74,5575	-6,80832	0	709.973,40	4,02762	0,0637701	-112,378	0	0,387351	1,56656
9	74,6575	-6,76965	0	715.343,10	4,24609	0,0685693	-113,487	0	0,386222	1,57285
9	74,7575	-6,73108	0	720.249,66	4,45825	0,073209	-114,498	0	0,385262	1,57866
9	74,85	-6,6926	0	724.74	4,6650	0,0777	-115,422	0	0,3844	1,5840

	75			9,28	4	022			5	3
9	74,95	-	0	728.88	4,8672	0,0820	-116,272	0	0,3837	1,5890
	75	6,65419		8,97	6	591			69	3
9	75,05	-	0	732.71	5,0652	0,0862	-117,054	0	0,3832	1,5936
	75	6,61585		1,56	6	954			01	8
9	75,15	-	0	736.24	5,2597	0,0904	-117,778	0	0,3827	1,5980
	75	6,57755		8,59		155			36	1
9	75,25	-6,5393	0	739.53	5,4507	0,0944	-118,448	0	0,3823	1,6020
	75			2,43	9	316			61	8
9	75,35	-	0	742.60	5,6389	0,0983	-119,075	0	0,3820	1,6059
	75	6,50108		0,43	9	454			62	
9	75,45	-	0	745.50	5,8245	0,1021	-119,669	0	0,3818	1,6095
	75	6,46289		9,81	9	57			15	6
9	75,55	-	0	748.30	6,0079	0,1058	-120,239	0	0,3816	1,6131
	75	6,42472		2,96		64			04	1
9	75,67	-	0	751.56	6,2250	0,1101	-120,904	0	0,3813	1,6172
	75	6,37895		4,84	8	77			72	8
9	75,82	-	0	755.40	6,4815	0,1151	-121,669	0	0,3811	1,6220
	15	6,32406		8,89	3	81			02	4
9	75,99	-	0	759.97	6,7842	0,1209	-122,556	0	0,3807	1,6275
	43	6,25824		5,59	5	35			72	1
9	76,20	-	0	765.31	7,1410	0,1275	-123,548	0	0,3804	1,6335
	17	6,17933		4,19	9	22			15	1
9	76,45	-6,0847	0	771.43	7,5613	0,1350	-124,627	0	0,3800	1,6398
	05			9,40	3	29			85	1
9	76,74	-	0	778.30	8,0557	0,1435	-125,754	0	0,3798	1,6460
	91	5,97124		5,91	4	45			73	6
9	77,10	-	0	785.79	8,6369	0,1531	-126,883	0	0,3799	1,6518
	75	5,83512		4,68	1	76			12	2
9	77,53	-	0	793.72	9,3234	0,1639	-127,95	0	0,3803	1,6565
	74	5,67169		7,57	9	78			67	2
9	78,05	-	0	801.84	10,156	0,1756	-128,867	0	0,3814	1,6593
	34	5,47517		5,48	7	91			84	2
9	78,67	-	0	809.77	11,183	0,1881	-129,51	0	0,3836	1,6590
	26	5,23835		7,45	2	01			09	6
9	79,41	-	0	817.07	12,452	0,2011	-129,727	0	0,3871	1,6543
	56	4,95208		5,86	9	48			7	2
9	80,30	-	0	823.22	14,017	0,2150	-129,355	0	0,3925	1,6436

	72	4,60457		7,23	2	26			91	8
9	81,37 71	- 4,18054	0	827.69 8,71	15,932 6	0,2301 59	-128,242	0	0,4001 93	1,6260 8
9	82,66 11	- 3,66037	0	829.93 6,26	18,266	0,2471 29	-126,259	0	0,4101 36	1,6010 7
9	84,20 18	-3,019	0	829.33 6,59	21,098 5	0,2666 47	-123,298	0	0,4224 11	1,5688 3
9	86,05 06	- 2,22457	0	825.13 5,75	24,519 1	0,2896 5	-119,245	0	0,4369	1,5300 1
9	88,26 92	- 1,23663	0	816.27 4,59	28,623 6	0,3171 93	-113,949	0	0,4534 84	1,4855 4
9	90,93 15	- 0,00168 66	0	799.11 3,81	33,489 1	0,3470 54	-106,635	0	0,4752 39	1,4333 8
9	94,12 63	1,56875	0	762.08 3,08	39,035	0,3780 48	-94,8144	0	0,5077 18	1,3663
9	97,96 01	3,58051	0	694.93 7,94	45,022	0,4363 61	-77,3234	0	0,5403 38	1,2920 4
9	102,5 61	6,1375	0	583.36 2,86	50,811 4	0,5584 89	-52,17	0	0,5697 81	1,2170 7
9	105,2 25	7,67575	0	498.38 3,30	52,827 4	0,6839 65	-34,2765	0	0,5850 59	1,1772 9
9	105,2 25	7,67575	0	498.38 3,30	52,827 4	0,6839 65	-34,2765	0	0,5850 59	1,1772 9
9	108,0 81	9,37314	0	332.98 1,51	53,259 4	1,1064 3	-6,43496	0	0,6016 35	1,1435 5
9	114,7 06	13,4914	0	187.21 6,59	53,909 5	1,9060 3	9,36082	0	0,6591 03	1,1507 5
9	122,6 56	18,8905	0	164.91 5,57	54,201 9	2,0796 2	11,6186	0	0,6917 13	1,1520 8
9	132,1 95	25,615	0	149.24 2,38	54,547 7	2,2267 1	13,2048	0	0,7180 13	1,1529 8
9	143,6 43	34,013	0	132.76 0,90	54,973 9	2,4106 1	14,6998	0	0,7491 36	1,1545 5
9	157,3 8	44,5588	0	115.81 4,21	55,501 9	2,6413 7	16,0738	0	0,7862 12	1,1567 3
9	173,8 64	57,8849	0	98.837, 06	56,159 8	2,9325 3	17,3033	0	0,8305 79	1,1594 1

9	193,6 95	74,8415	0	82.315, 19	56,984 8	3,3023 8	18,3724	0	0,8838 35	1,1624 5
9	217,5 03	96,5821	0	66.784, 29	58,026 2	3,7766 8	19,3879	0	0,9480 25	1,1652 7
9	246,0 52	124,485	0	55.030, 39	59,341 4	4,2429 4	20,9931	0	1,0071 9	1,1642 5
9	280,2 7	159,996	0	44.740, 82	60,986 7	4,7622 1	22,1849	0	1,0698 8	1,1640 4
9	321,3 28	205,335	0	35.788, 78	63,050 5	5,3788 4	23,0754	0	1,1399 6	1,1644 7
9	370,5 99	263,394	0	28.151, 37	65,644 5	6,1095 5	23,7193	0	1,2181 3	1,1653 3
9	398,8 48	298,558	0	25.497, 66	67,193 3	6,5272	23,9672	0	1,2607 8	1,1658 5
9	429,7 39	337,998	0	22.180, 01	68,912 7	6,9779 9	24,1704	0	1,3053 5	1,1664 1
9	500,6 67	433,994	0	16.840, 44	73,033 8	8,0078 3	24,4773	0	1,4021 8	1,1675 7
9	585,7 75	557,883	0	12.558, 40	78,239 8	9,2290 9	24,6791	0	1,5094 5	1,1686 8
9	687,9 16	718,076	0	9.291,3 8	84,822 3	10,675 1	24,8081	0	1,6278 5	1,1696 8
9	712,7 64	759,071	0	8.677,3 6	86,484	11,025 6	24,8292	0	1,6553 5	1,1698 9
10	77,05 28	- 7,31685	0	1,00	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
10	77,15 28	- 7,27128	0	600.64 4,43	1,2702 1	0,0096 6289	-90,6968	0	0,4116 56	1,4638 3
10	77,25 28	- 7,23058	0	639.39 4,87	1,7656 5	0,0165 72	-98,324	0	0,4047 26	1,4965 3
10	77,35 28	- 7,19018	0	650.20 1,45	2,1555 3	0,0235 31	-100,275	0	0,4038 85	1,5046 5
10	77,45 28	- 7,14987	0	658.80 4,15	2,4939 3	0,0301 749	-101,967	0	0,4023 28	1,5125 1
10	77,55 28	- 7,10974	0	667.90 7,93	2,7986 7	0,0363 989	-103,851	0	0,4000 66	1,5218 8
10	77,65	-	0	676.54	3,0790	0,0422	-105,657	0	0,3978	1,5311

	28	7,06984		6,03	2	752			38	6
10	77,75	-	0	684.45	3,3409	0,0478	-107,313	0	0,3958	1,5398
	28	7,03016		9,03	7	658			26	7
10	77,85	-	0	691.65	3,5884	0,0532	-108,817	0	0,3940	1,5479
	28	6,99066		2,22	3	166			55	4
10	77,95	-	0	698.18	3,8243	0,0583	-110,18	0	0,3925	1,5553
	28	6,95134		8,71	3	577			1	8
10	78,05	-	0	704.13	4,0512	0,0633	-111,415	0	0,3911	1,5622
	28	6,91215		1,21	7	002			81	3
10	78,15	-6,8731	0	709.55	4,2709	0,0680	-112,539	0	0,3900	1,5685
	28			1,79	9	597			42	5
10	78,25	-	0	714.51	4,4844	0,0726	-113,565	0	0,3890	1,5743
	28	6,83414		3,95	9	567			69	9
10	78,35	-	0	719.06	4,6924	0,0771	-114,504	0	0,3882	1,5798
	28	6,79528		7,07	6	1			46	1
10	78,45	-6,7565	0	723.25	4,8956	0,0814	-115,367	0	0,3875	1,5848
	28			7,87	7	302			54	3
10	78,55	-	0	727.12	5,0946	0,0856	-116,163	0	0,3869	1,5895
	28	6,71778		7,85	2	294			78	2
10	78,65	-	0	730.71	5,2896	0,0897	-116,899	0	0,3865	1,5939
	28	6,67911		7,13	3	218				
10	78,75	-	0	734.05	5,4811	0,0937	-117,583	0	0,3861	1,5980
	28	6,64049		2,88	5	134			1	1
10	78,85	-6,6019	0	737.16	5,6696	0,0976	-118,221	0	0,3857	1,6018
	28			7,53		083			96	7
10	78,95	-	0	740.10	5,8552	0,1014	-118,822	0	0,3855	1,6055
	28	6,56334		1,37	9	08			43	4
10	79,05	-	0	742.86	6,0386	0,1051	-119,388	0	0,3853	1,6090
	28	6,52481		6,46	7	15			47	3
10	79,17	-	0	746.07	6,2559	0,1094	-120,04	0	0,3851	1,6130
	28	6,47859		0,48		34			43	6
10	79,31	-	0	749.90	6,5128	0,1144	-120,81	0	0,3848	1,6178
	68	6,42318		4,70	1	22			8	3
10	79,48	-	0	754.45	6,8165	0,1201	-121,705	0	0,3845	1,6233
	96	6,35673		6,74	6	43			6	4
10	79,69	-	0	759.81	7,1749	0,1266	-122,717	0	0,3841	1,6294
	69	6,27704		8,57		84			91	6
10	79,94	-	0	765.98	7,5971	0,1341	-123,82	0	0,3838	1,6359

	57	6,18147		7,84	7	32			35	3
10	80,24 43	- 6,06689	0	772.93 4,88	8,0940 3	0,1425 76	-124,982	0	0,3835 81	1,6424 2
10	80,60 27	- 5,92945	0	780.53 7,75	8,6781	0,1521 19	-126,152	0	0,3835 62	1,6484 8
10	81,03 26	- 5,76447	0	788.61 8,99	9,3643 9	0,1628 81	-127,269	0	0,3839 36	1,6535 5
10	81,54 86	- 5,56614	0	796.93 1,68	10,194 5	0,1745 95	-128,246	0	0,3849 33	1,6568 4
10	82,16 78	- 5,32724	0	805.10 6,58	11,217	0,1870 13	-128,961	0	0,3868 97	1,6571 7
10	82,91 08	-5,0386	0	812.68 3,66	12,482 5	0,2000 58	-129,257	0	0,3902 56	1,6531 1
10	83,80 24	- 4,68844	0	819.14 0,01	14,042 4	0,2139 19	-128,968	0	0,3954 42	1,6431 8
10	84,87 23	- 4,26151	0	823.92 3,15	15,953 7	0,2290 08	-127,934	0	0,4027 93	1,6262 5
10	86,15 63	- 3,73819	0	826.47 3,55	18,283 8	0,2459 04	-126,023	0	0,4124 73	1,6018 1
10	87,69 7	- 3,09341	0	826.15 7,81	21,111 8	0,2653 14	-123,119	0	0,4245 16	1,5699 6
10	89,54 58	- 2,29488	0	821.85 9,63	24,524 9	0,2875 65	-119,023	0	0,4393 79	1,5308 1
10	91,76 44	- 1,29417	0	808.19 9,88	28,575 6	0,3070 79	-112,536	0	0,4633 32	1,4793 6
10	94,42 68	- 0,01924 22	0	779.31 0,72	33,243 8	0,3303 33	-102,582	0	0,4940 1	1,4153 1
10	97,62 16	1,60944	0	730.72 4,63	38,486	0,3702 51	-88,8318	0	0,5242 28	1,3458 3
10	101,4 55	3,67474	0	652.88 2,82	44,130 1	0,4433 41	-70,0244	0	0,5515 88	1,2752
10	106,0 56	6,27029	0	539.69 5,11	49,501 1	0,5799 85	-45,1982	0	0,5758 97	1,2076 1
10	108,4 71	7,67575	0	462.46 2,82	51,055 4	0,7070 2	-29,1938	0	0,5882 16	1,1741 7
10	108,4 71	7,67575	0	462.46 2,82	51,055 4	0,7070 2	-29,1938	0	0,5882 16	1,1741 7

10	111,576	9,52982	0	295.616,93	51,4995	1,18845	-2,52589	0	0,603615	1,14611
10	118,201	13,6692	0	172.530,97	52,0967	1,91339	10,0375	0	0,660778	1,15329
10	126,151	19,0636	0	147.710,24	52,3882	2,07484	12,0602	0	0,691084	1,15428
10	135,69	25,7817	0	128.245,59	52,7336	2,22181	13,5754	0	0,717303	1,15508
10	147,138	34,1712	0	109.102,83	53,1592	2,40545	15,0054	0	0,748366	1,15651
10	160,875	44,7061	0	90.675,18	53,6866	2,63589	16,3213	0	0,785398	1,15851
10	177,36	58,0185	0	73.483,68	54,3437	2,92665	17,5001	0	0,829732	1,16099
10	197,141	74,958	0	58.164,04	55,1677	3,29604	18,5258	0	0,882962	1,16381
10	220,879	96,6777	0	44.797,03	56,2082	3,7694	19,6315	0	0,947051	1,16595
10	249,364	124,523	0	35.439,98	57,5205	4,2246	21,1598	0	1,00491	1,16488
10	283,546	159,957	0	27.730,31	59,1623	4,743	22,3081	0	1,06763	1,16463
10	324,565	205,204	0	21.262,23	61,2219	5,35822	23,1637	0	1,13769	1,16501
10	373,787	263,15	0	16.150,49	63,8111	6,08753	23,781	0	1,21585	1,16581
10	388,645	281,383	0	15.018,35	64,6161	6,30618	23,9134	0	1,23838	1,16607
10	432,854	337,693	0	11.988,47	67,076	6,95645	24,2121	0	1,30325	1,16683
10	503,734	433,536	0	8.749,7	71,1909	7,98487	24,5049	0	1,40012	1,16792
10	588,79	557,241	0	6.218,60	76,3897	9,205	24,697	0	1,5074	1,16897
10	689,738	715,409	0	4.598,62	82,8905	10,6339	24,8183	0	1,62459	1,16999
11	85,83	-	0	1,00	0,0017	0,7824	24,6246	0	0,6148	1,1739

	87	7,56748			7245	28			73	
11	85,93 87	- 7,52137	0	589.61 4,36	1,2985 6	0,0093 6615	-88,8573	0	0,4188 49	1,4577 2
11	86,03 87	-7,4799 7,39757	0	627.76 2,91	1,8075 9	0,0160 993	-96,4022	0	0,4125 27	1,4895 4
11	86,13 87	- 7,43871	0	638.26 2,16	2,2074 5	0,0229 03	-98,2995	0	0,4118 54	1,4972 6
11	86,23 87	- 7,39757	0	645.84 0,02	2,5535 1	0,0294 635	-99,7763	0	0,4107 34	1,5039
11	86,33 87	- 7,35659	0	654.31 9,17	2,8651 7	0,0356 125	-101,541	0	0,4087 42	1,5124 9
11	86,43 87	- 7,31581	0	662.66 5,21	3,1518 3	0,0414 097	-103,303	0	0,4066 53	1,5213 6
11	86,53 87	- 7,27525	0	670.43 9,53	3,4198 6	0,0469 136	-104,948	0	0,4047 28	1,5298 5
11	86,63 87	- 7,23486	0	677.56 5,86	3,6739	0,0521 573	-106,454	0	0,4030 28	1,5377 6
11	86,73 87	- 7,19464	0	684.07 4,62	3,9166 4	0,0571 775	-107,826	0	0,4015 48	1,5451
11	86,83 87	- 7,15455	0	690.02 1,54	4,1492 4	0,0620 155	-109,077	0	0,4002 65	1,5519
11	86,93 87	- 7,11458	0	695.46 8,65	4,3734 9	0,0666 883	-110,219	0	0,3991 57	1,5581 9
11	87,03 87	-7,0747 8,65	0	700.45 8,65	4,5912 5	0,0711 995	-111,263	0	0,3982 11	1,5640 2
11	87,13 87	- 7,03491	0	705.05 6,95	4,8032 1	0,0755 71	-112,223	0	0,3974 01	1,5694 4
11	87,23 87	-6,9952 0,68	0	709.30 0,68	5,0101 6	0,0798 123	-113,107	0	0,3967 15	1,5744 9
11	87,33 87	- 6,95554	0	713.23 8,13	5,2122 7	0,0839 435	-113,926	0	0,3961 36	1,5792 2
11	87,43 87	- 6,91594	0	716.88 4,98	5,4102 2	0,0879 645	-114,683	0	0,3956 65	1,5836 4
11	87,53 87	- 6,87638	0	720.26 9,74	5,6045 2	0,0918 804	-115,386	0	0,3952 91	1,5877 8
11	87,63 87	- 6,83686	0	723.42 7,58	5,7953 4	0,0957 044	-116,042	0	0,3949 98	1,5916 8
11	87,73	-	0	726.37	5,9832	0,0994	-116,653	0	0,3947	1,5953

	87	6,79737		5,44	3	365			79	4
11	87,83 87	-6,7579	0	729.13 6,38	6,1684 2	0,1030 84	-117,226	0	0,3946 26	1,5988 1
11	87,95 87	- 6,71055	0	732.22 8,76	6,3875 7	0,1073 52	-117,868	0	0,3945 18	1,6027 2
11	88,10 27	- 6,65376	0	735.90 7,13	6,6465 2	0,1122 77	-118,627	0	0,3943 82	1,6073 8
11	88,27 55	- 6,58564	0	740.25 6,88	6,9525 1	0,1179 18	-119,513	0	0,3942 22	1,6128 4
11	88,48 28	- 6,50391	0	745.44 5,01	7,3136 3	0,1243 31	-120,531	0	0,3940 21	1,619
11	88,73 16	- 6,40586	0	751.51 0,47	7,7391	0,1315 91	-121,657	0	0,3938 28	1,6256 3
11	89,03 02	- 6,28824	0	758.38 2,76	8,2392 6	0,1397 87	-122,85	0	0,3937 54	1,6323 3
11	89,38 86	-6,1471	0	765.89 3,10	8,8263	0,1490 16	-124,051	0	0,3939 6	1,6386 4
11	89,81 85	- 5,97757	0	773.88 8,72	9,5144 8	0,1593 85	-125,208	0	0,3945 89	1,6440 8
11	90,33 45	- 5,77324	0	780.81 1,70	10,329 8	0,1694 12	-126,008	0	0,3977 59	1,6465 4
11	90,95 37	- 5,52486	0	785.58 1,44	11,324 2	0,1781 85	-126,185	0	0,4045 17	1,6439
11	91,69 67	- 5,22073	0	788.20 4,52	12,536 4	0,1866 2	-125,655	0	0,4141 66	1,6352 1
11	92,58 83	- 4,84607	0	788.25 3,53	14,006 6	0,1955 29	-124,269	0	0,4264 21	1,6193 9
11	93,65 82	- 4,38201	0	785.06 3,45	15,780 2	0,2058 58	-121,848	0	0,4409 46	1,5956 3
11	94,94 22	- 3,80539	0	777.64 8,19	17,910 9	0,2185 55	-118,19	0	0,4573 51	1,5636 7
11	96,48 29	- 3,08694	0	765.16 3,71	20,464 7	0,2345 75	-113,155	0	0,4751 62	1,5243
11	98,33 17	-2,1908	0	746.29 1,92	23,511 9	0,2552 54	-106,542	0	0,4937 78	1,4786 3
11	100,5 5	- 1,07369	0	719.07 9,29	27,120 3	0,2825 21	-98,0663	0	0,5126 37	1,428
11	103,2	0,31694	0	680.73	31,338	0,3195	-87,309	0	0,5313	1,3738

	13	7		1,71	9	8			24	2
11	106,4 07	2,04485	0	626.73 6,83	36,159 8	0,3729 71	-73,5291	0	0,5496 43	1,3170 6
11	110,2 41	4,18794	0	550.00 7,93	41,414 5	0,4578 64	-55,471	0	0,5676 43	1,2582
11	114,8 42	6,84334	0	447.22 5,63	46,392 2	0,6032 98	-32,4188	0	0,5856 57	1,1994
11	116,2 55	7,67575	0	407.14 0,51	47,343 5	0,6749 01	-23,8458	0	0,5917 45	1,1813 5
11	116,2 55	7,67575	0	407.14 0,51	47,343 5	0,6749 01	-23,8458	0	0,5917 45	1,1813 5
11	120,3 62	10,1423	0	248.50 7,94	47,952 6	1,1752 7	1,27205	0	0,6065 58	1,1541 4
11	126,9 87	14,2157	0	160.64 9,64	48,393 3	1,7684 4	10,4521	0	0,6348 41	1,1575 3
11	134,9 37	19,3766	0	139.28 9,62	48,664 8	1,9015	12,2944	0	0,6608 11	1,1576 6
11	144,4 76	25,8049	0	119.16 2,61	48,995 1	2,0423 8	13,8441	0	0,6868 38	1,1581 1
11	155,9 24	33,8445	0	99.433, 44	49,403 1	2,2185 8	15,2904	0	0,7177 04	1,1592 2
11	169,6 61	43,9568	0	81.072, 49	49,909 7	2,4399 2	16,6063	0	0,7545 39	1,1609 2
11	186,1 45	56,7587	0	64.409, 30	50,542 3	2,7196 2	17,7712	0	0,7986 75	1,1631 2
11	205,9 27	73,0819	0	49.798, 23	51,337 5	3,0756	18,7724	0	0,8517 06	1,1656 7
11	229,6 64	94,0596	0	37.416, 84	52,344	3,5359 4	20,1242	0	0,9160 56	1,1665 9
11	258,1 5	121,095	0	28.638, 50	53,620 4	4,0076 1	21,6035	0	0,9778 17	1,1656 5
11	292,3 32	155,603	0	21.919, 20	55,222 5	4,5162 9	22,6569	0	1,0407 5	1,1654 4
11	333,3 5	199,754	0	16.569, 31	57,236 1	5,1208 3	23,4272	0	1,1111 5	1,1658 3
11	367,7 9	238,987	0	13.271, 00	58,997 7	5,6240 6	23,8383	0	1,1667 5	1,1663 6
11	382,5	256,443	0	12.282,	59,773	5,8401	23,9722	0	1,1898	1,1666

	73			49	7	3			7	1
11	441,6 4	329,35	0	8.948,7 1	62,974 8	6,6949	24,3467	0	1,2775 3	1,1675 7
11	512,5 2	423,395	0	6.362,2 6	67,020 7	7,7115 2	24,5958	0	1,3749 8	1,1685 8
11	597,5 76	545,001	0	4.732,3 9	72,141 4	8,9196 3	24,7564	0	1,4829 6	1,1695 4
11	639,1 05	607,626	0	4.145,6 7	74,738	9,5049 4	24,8055	0	1,5327	1,1699 2
12	102,0 89	- 7,67575	0	1,00	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
12	102,1 89	- 7,62333	0	430.06 5,53	1,3521 4	0,0071 085	-61,709	0	0,4986 92	1,3789 9
12	102,2 89	- 7,57363	0	464.93 0,44	1,8958 5	0,0123 028	-69,5468	0	0,4962 65	1,4074 1
12	102,3 89	-7,524	0	473.97 5,13	2,3216 2	0,0176 289	-71,387	0	0,4964 59	1,4137 9
12	102,4 89	- 7,47433	0	477.16 8,61	2,6862 9	0,0229 752	-71,9992	0	0,4969 95	1,4158 1
12	102,5 89	-7,4246	0	478.27 4,67	3,0115 2	0,0283 244	-72,2	0	0,4976 03	1,4164 3
12	102,6 89	- 7,37482	0	479.28 2,64	3,3093 2	0,0335 769	-72,4427	0	0,4979 91	1,4174 3
12	102,7 89	- 7,32503	0	481.65 3,17	3,5871	0,0385 611	-73,0728	0	0,4978 91	1,4202
12	102,8 89	- 7,27525	0	485.13 8,93	3,8492	0,0432 474	-74,004	0	0,4974 66	1,4243 5
12	102,9 89	- 7,22552	0	489.13 2,69	4,0984 3	0,0476 772	-75,0674	0	0,4969 35	1,4291 2
12	103,0 89	- 7,17585	0	493.23 9,56	4,3367 1	0,0518 972	-76,1567	0	0,4964 17	1,4340 5
12	103,1 89	- 7,12623	0	497.33 4,63	4,5656 1	0,0559 335	-77,2396	0	0,4959 33	1,4390 1
12	103,2 89	- 7,07666	0	501.34 7,33	4,7867 5	0,0598 004	-78,2985	0	0,4954 97	1,4439
12	103,3 89	- 7,02713	0	505.23 3,05	5,0012 6	0,0635 14	-79,3225	0	0,4951 15	1,4486 9

12	103,4 89	- 6,97763	0	508.96 7,35	5,2099 2	0,0670 903	-80,3057	0	0,4947 89	1,4533 3
12	103,5 89	- 6,92816	0	512.55 2,45	5,4130 8	0,0705 482	-81,2493	0	0,4945 12	1,4578 2
12	103,6 89	- 6,87872	0	515.98 1,90	5,6114 2	0,0738 965	-82,1519	0	0,4942 84	1,4621 7
12	103,7 89	- 6,82929	0	519.25 0,94	5,8055 9	0,0771 403	-83,0128	0	0,4941 05	1,4663 6
12	103,8 89	- 6,77989	0	522.37 3,42	5,9957 7	0,0802 927	-83,8357	0	0,4939 68	1,4704
12	103,9 89	- 6,73049	0	525.35 0,12	6,1824 8	0,0833 572	-84,6212	0	0,4938 71	1,4743
12	104,0 89	- 6,68111	0	528.18 8,89	6,3660 6	0,0863 395	-85,3714	0	0,4938 13	1,4780 6
12	104,2 09	- 6,62186	0	531.41 8,04	6,5825 3	0,0898 176	-86,2267	0	0,4937 89	1,4823 9
12	104,3 53	- 6,55075	0	535.04 9,90	6,8376 2	0,0938 513	-87,192	0	0,4938 24	1,4873 4
12	104,5 26	- 6,46541	0	539.08 0,36	7,1377	0,0985 078	-88,2687	0	0,4939 5	1,4929 3
12	104,7 33	- 6,36296	0	543.47 9,85	7,4903 6	0,1038 51	-89,453	0	0,4942 09	1,4992
12	104,9 82	- 6,23994	0	548.19 9,04	7,9033 1	0,1099 68	-90,7365	0	0,4946 51	1,5061 3
12	105,2 81	- 6,09214	0	553.14 4,09	8,3861 6	0,1169 58	-92,0661	0	0,4953 39	1,5133 7
12	105,6 39	- 5,91448	0	558.19 6,12	8,9501 6	0,1249 65	-93,3393	0	0,4963 4	1,5201 5
12	106,0 69	- 5,70078	0	563.32 3,48	9,6079 1	0,1341 31	-94,4768	0	0,4976 84	1,5257 9
12	106,5 85	- 5,44359	0	569.28 6,59	10,374 9	0,1441 85	-95,6659	0	0,4992 38	1,5312 8
12	107,2 04	-5,1339	0	576.15 4,63	11,268	0,1550 47	-96,8939	0	0,5011 05	1,5364 5
12	107,9 47	- 4,76064	0	583.30 0,13	12,332 4	0,1665 18	-97,949	0	0,5035 97	1,5399 2
12	108,8 39	- 4,31006	0	589.95 0,92	13,636 7	0,1783 36	-98,5726	0	0,5070 61	1,5399 6

12	109,9 09	- 3,76496	0	594.97 7,61	15,244 1	0,1907 7	-98,3956	0	0,5118 43	1,5341 9
12	111,1 93	- 3,10376	0	597.08 0,67	17,215 8	0,2044 46	-97,0426	0	0,5182 31	1,5204 5
12	112,7 33	- 2,29912	0	594.47 3,78	19,614 7	0,2204 75	-94,0586	0	0,5264 12	1,4968
12	114,5 82	-1,3168	0	585.11 6,50	22,505 8	0,2405 8	-89,0178	0	0,5362	1,4625 8
12	116,8 01	- 0,11464 6	0	566.67 0,50	25,954 4	0,2671 02	-81,5485	0	0,5472 26	1,4188 1
12	119,4 63	1,3584	0	535.71 3,18	30,004	0,3040 86	-71,1183	0	0,5591 6	1,3671
12	122,6 58	3,16512	0	487.43 0,93	34,631 2	0,3598 42	-56,9335	0	0,5717 01	1,3092 9
12	126,4 92	5,38211	0	418.68 2,37	39,621 1	0,4487 8	-38,5791	0	0,5845 23	1,2491 4
12	130,3 76	7,67575	0	338.80 2,88	43,574 4	0,5763 48	-18,8532	0	0,5970 28	1,1974 2
12	130,3 76	7,67575	0	338.80 2,88	43,574 4	0,5763 48	-18,8532	0	0,5970 28	1,1974 2
12	130,8 48	7,95874	0	326.27 6,54	43,890 9	0,5987 78	-15,9531	0	0,5990 13	1,1908 2
12	130,8 48	7,95874	0	326.27 6,54	43,890 9	0,5987 78	-15,9531	0	0,5990 13	1,1908 2
12	131,0 92	8,10497	0	319.67 6,72	44,045 5	0,6115 52	-14,5023	0	0,5999 52	1,1877 4
12	136,6 13	11,4533	0	192.99 6,23	44,958 1	1,0552 2	5,57018	0	0,6105 28	1,1641 1
12	143,2 38	15,5081	0	140.84 9,74	45,251 8	1,4604 1	11,3691	0	0,6129 91	1,1641
12	151,1 87	20,385	0	125.40 9,27	45,504 1	1,6257 4	13,0873	0	0,6138 54	1,1633 4
12	160,7 27	26,3409	0	109.56 7,09	45,809 8	1,7638 4	14,6226	0	0,6368 69	1,1632 6
12	172,1 74	33,8061	0	92.873, 24	46,188 5	1,9277 6	16,0279	0	0,6673 52	1,1638 5
12	185,9	43,2242	0	76.475,	46,660	2,1340	17,2826	0	0,7038	1,1650

	12			07	5	7			32	7
12	202,3 96	55,1874	0	61.364, 72	47,252 4	2,3955	18,3717	0	0,7476 29	1,1667 8
12	222,1 77	70,4973	0	47.886, 51	47,999 6	2,7293 5	19,2885	0	0,8003 26	1,1688 4
12	245,9 15	90,2594	0	36.282, 72	48,950 1	3,1669	21,1183	0	0,8647 68	1,1673 1
12	274,4	115,87	0	27.808, 52	50,162 6	3,6297 1	22,392	0	0,9286 61	1,1666 2
12	308,5 82	148,709	0	21.455, 71	51,691 8	4,1201 1	23,2533	0	0,9921 07	1,1665 6
12	337,2 75	177,901	0	17.580, 85	53,031 3	4,5291 7	23,7115	0	1,0422 9	1,1668 6
12	349,6 01	190,905	0	16.247, 05	53,622 4	4,7051 4	23,8605	0	1,0632	1,1670 3
12	398,8 23	245,219	0	12.593, 77	56,062 3	5,4026 3	24,2767	0	1,1426	1,1677 9
12	457,8 9	315,353	0	9.596,1 0	59,152 5	6,2354 5	24,5529	0	1,2311 4	1,1686 7
12	528,7 7	406,152	0	7.184,8 4	63,072 5	7,2297 9	24,7306	0	1,3296 4	1,1695 5
12	562,9 18	452,327	0	6.322,0 5	65,036 8	7,7068 9	24,7843	0	1,3745 5	1,1699 1
13	137,7 78	- 7,67575	0	1,00	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
13	137,8 78	- 7,61864	0	252.27 0,73	1,4079 7	0,0058 5164	-31,4906	0	0,5590 84	1,3138 8
13	137,9 78	- 7,56279	0	277.12 8,29	1,9848 4	0,0101 829	-38,8083	0	0,5583 55	1,3395 2
13	138,0 78	- 7,50695	0	283.71 1,78	2,4340 4	0,0146 668	-40,5969	0	0,5584 79	1,3457 1
13	138,1 78	- 7,45109	0	286.13 2,02	2,8158 9	0,0191 986	-41,2402	0	0,5587 07	1,3479 2
13	138,2 78	- 7,39521	0	287.06 0,26	3,1559 4	0,0237 362	-41,5004	0	0,5589 55	1,3488 5
13	138,3 78	-7,3393	0	287.30 7,14	3,4662 8	0,0282 706	-41,5947	0	0,5592 09	1,3492 5

13	138,4 78	- 7,28336	0	287.19 5,36	3,7541 4	0,0327 974	-41,6054	0	0,5594 65	1,3493 8
13	138,5 78	- 7,22741	0	286.87 6,48	4,0244 5	0,0373 132	-41,5692	0	0,5597 21	1,3493 7
13	138,6 78	- 7,17142	0	286.51 8,77	4,2801 5	0,0418 033	-41,5349	0	0,5599 58	1,3494
13	138,7 78	- 7,11542	0	286.45 5,07	4,5238	0,0461 986	-41,6097	0	0,5601 2	1,3498 8
13	138,8 78	- 7,05941	0	287.01 0,03	4,7572 9	0,0504 044	-41,9	0	0,5601 55	1,3512 3
13	138,9 78	- 7,00339	0	288.08 9,14	4,9821 2	0,0544 077	-42,3705	0	0,5600 91	1,3533 1
13	139,0 78	- 6,94738	0	289.51 3,38	5,1994 6	0,0582 267	-42,9563	0	0,5599 83	1,3558 6
13	139,1 78	- 6,89139	0	291.16 4,11	5,4103	0,0618 778	-43,6168	0	0,5598 52	1,3587 2
13	139,2 78	- 6,83541	0	292.95 2,32	5,6153 6	0,0653 793	-44,3217	0	0,5597 16	1,3617 8
13	139,3 78	- 6,77944	0	294.82 1,94	5,8152 2	0,0687 459	-45,0521	0	0,5595 83	1,3649 5
13	139,4 78	- 6,72349	0	296.73 6,49	6,0103 8	0,0719 892	-45,796	0	0,5594 56	1,3682
13	139,5 78	- 6,66755	0	298.66 9,88	6,2012 7	0,0751 178	-46,5447	0	0,5593 4	1,3714 9
13	139,6 78	- 6,61162	0	300.60 6,79	6,3881 2	0,0781 431	-47,2934	0	0,5592 33	1,3748
13	139,7 78	-6,5557	0	302.52 9,76	6,5715 2	0,0810 693	-48,0364	0	0,5591 39	1,3781
13	139,8 98	- 6,48861	0	304.80 1,75	6,7878 1	0,0844 545	-48,9151	0	0,5590 45	1,3820 3
13	140,0 42	- 6,40811	0	307.46 9,37	7,0419 4	0,0883 576	-49,9486	0	0,5589 55	1,3867 1
13	140,2 14	- 6,31153	0	310.57 6,72	7,3395 2	0,0928 399	-51,1559	0	0,5588 8	1,3922 3
13	140,4 22	- 6,19564	0	314.14 6,39	7,6874 5	0,0979 546	-52,5502	0	0,5588 34	1,3986 9
13	140,6 71	- 6,05658	0	318.19 2,39	8,0934 5	0,1037 57	-54,143	0	0,5588 37	1,4062

13	140,9 69	-5,8897	0	322.71 0,51	8,5664 5	0,1102 98	-55,9415	0	0,5589 16	1,4148 4
13	141,3 27	-5,6894	0	327.65 5,67	9,1170 5	0,1176 32	-57,9262	0	0,5591 04	1,4245 9
13	141,7 57	- 5,44893	0	332.91 9,94	9,7577 9	0,1258 44	-60,0056	0	0,5594 52	1,4349 3
13	142,2 73	- 5,16013	0	338.32 1,60	10,502 5	0,1351 16	-61,9845	0	0,5600 16	1,4447
13	142,8 93	- 4,81313	0	343.60 1,46	11,367 2	0,1456 55	-63,7	0	0,5608 62	1,4529
13	143,6 36	- 4,39596	0	348.39 7,69	12,366 5	0,1577 51	-65,0481	0	0,5620 56	1,4589 9
13	144,5 27	- 3,89415	0	352.97 5,08	13,540 1	0,1709 89	-66,1047	0	0,5635 71	1,4632 3
13	145,5 97	- 3,29015	0	357.53 3,76	14,989 6	0,1842 09	-66,8618	0	0,5654 9	1,4653 9
13	146,8 81	- 2,56245	0	360.87 7,67	16,791 3	0,1977 71	-66,8127	0	0,5681 1	1,4626 6
13	148,4 22	- 1,68451	0	361.34 5,85	19,009 3	0,2130 64	-65,307	0	0,5716 06	1,4516 6
13	150,2 71	- 0,62364 8	0	357.06 1,56	21,709 9	0,2320 99	-61,735	0	0,5759 88	1,4299 4
13	152,4 89	0,66008 1	0	345.56 3,31	24,958	0,2577 44	-55,5098	0	0,5812 24	1,3965 5
13	155,1 52	2,21551	0	324.25 1,47	28,801 3	0,2945 42	-46,1273	0	0,5871 86	1,3523 2
13	158,3 46	4,10211	0	289.87 7,20	33,219 5	0,3513 25	-33,1064	0	0,5937 44	1,2996 3
13	162,1 8	6,39192	0	242.64 3,01	38,021 9	0,4385	-17,4696	0	0,6007 15	1,2464 4
13	164,3 1	7,67575	0	213.68 0,95	40,345 9	0,4973 79	-9,02402	0	0,6048 92	1,2216 1
13	164,3 1	7,67575	0	213.68 0,95	40,345 9	0,4973 79	-9,02402	0	0,6048 92	1,2216 1
13	166,7 81	9,18301	0	177.38 3,40	42,232 9	0,5831 14	- 0,225622	0	0,6095 68	1,1996 1
13	168,7	10,3977	0	152.33	43,630	0,6657	4,47534	0	0,6115	1,1908

	65			1,22	6	55			42	2
13	168,7 65	10,3977	0	152.33 1,22	43,630 6	0,6657 55	4,47534	0	0,6115 42	1,1908 2
13	172,3 01	12,5633	0	119.29 0,22	45,712 1	0,8270 07	9,76432	0	0,6132 43	1,1831 4
13	178,9 26	16,63	0	87.501, 66	48,011 7	1,0917 1	14,0247	0	0,6142 64	1,1790 8
13	186,8 76	21,5149	0	72.815, 37	48,928 3	1,2980 6	15,8955	0	0,6146 06	1,1774 5
13	196,4 15	27,3788	0	63.207, 82	49,227 6	1,4937 2	17,0973	0	0,6147 54	1,1763 9
13	207,8 63	34,4383	0	54.209, 38	49,585	1,7011 2	18,0979	0	0,6251 54	1,1758 4
13	221,6	43,2765	0	45.497, 75	50,027 7	1,8938 7	18,9676	0	0,6614 45	1,1757 3
13	238,0 84	54,5382	0	37.262, 52	50,585 1	2,1403 3	19,8775	0	0,7050 06	1,1754 3
13	257,8 66	69,0111	0	29.704, 00	51,292 2	2,4611 9	21,555	0	0,7582 31	1,1723 4
13	280,2 05	86,6243	0	23.330, 69	52,140 9	2,8500 4	22,71	0	0,8183 94	1,1708 1
13	281,6 03	87,772	0	22.989, 94	52,195 8	2,8748 5	22,765	0	0,8223 19	1,1707 6
13	310,0 88	112,227	0	17.854, 87	53,355 9	3,3368 9	23,5516	0	0,8888 04	1,1701 1
13	344,2 71	143,708	0	14.122, 56	54,825 2	3,8102	24,0531	0	0,9524 69	1,1699 3
13	385,2 89	184,258	0	10.999, 42	56,685 4	4,3766 2	24,3964	0	1,0238 4	1,1701
13	419,4 96	220,248	0	9.084,5 6	58,311 2	4,8484 3	24,5691	0	1,0799 6	1,1703 4
14	279,7 62	- 7,67575	0	1,00	0,0017 7245	0,7824 28	24,6246	0	0,6148 73	1,1739
14	279,8 62	- 7,61485	0	40.671, 97	1,4418 2	0,0048 6856	-1,03619	0	0,6076 31	1,2780 1
14	279,9 62	- 7,55409	0	44.827, 63	2,0523 9	0,0085 7007	-4,80958	0	0,6076 43	1,2948 8

14	280,0	-	0	45.862,	2,5204	0,0124	-5,87395	0	0,6076	1,2997
	62	7,49332		47	4	321			82	4
14	280,1	-	0	46.224,	2,9170	0,0163	-6,31404	0	0,6077	1,3017
	62	7,43255		72	4	367			16	9
14	280,2	-	0	46.347,	3,2688	0,0202	-6,53488	0	0,6077	1,3028
	62	7,37178		77	3	51			48	6
14	280,3	-7,311	0	46.365,	3,5878	0,0241	-6,65848	0	0,6077	1,3034
	62			10	8	742			79	8
14	280,4	-	0	46.327,	3,8832	0,0280	-6,73199	0	0,6078	1,3038
	62	7,25022		24	5	928			1	8
14	280,5	-	0	46.259,	4,1590	0,0320	-6,7771	0	0,6078	1,3041
	62	7,18944		08	4	172			39	5
14	280,6	-	0	46.172,	4,4190	0,0359	-6,80483	0	0,6078	1,3043
	62	7,12865		78	4	432			68	4
14	280,7	-	0	46.075,	4,6658	0,0398	-6,82131	0	0,6078	1,3044
	62	7,06786		17	9	709			96	8
14	280,8	-	0	45.970,	4,9017	0,0437	-6,83018	0	0,6079	1,3045
	62	7,00707		21	2	985			24	8
14	280,9	-	0	45.860,	5,1281	0,0477	-6,83368	0	0,6079	1,3046
	62	6,94628		01	9	214			52	6
14	281,0	-	0	45.745,	5,3468	0,0516	-6,83326	0	0,6079	1,3047
	62	6,88548		74	4	352			79	2
14	281,1	-	0	45.630,	5,5589	0,0555	-6,8323	0	0,6080	1,3047
	62	6,82468		62	8	312			06	8
14	281,2	-	0	45.561,	5,7645	0,0593	-6,8758	0	0,6080	1,3050
	62	6,76388		47	6	502			27	5
14	281,3	-	0	45.541,	5,9644	0,0630	-6,96757	0	0,6080	1,3055
	62	6,70308		77	2	697			41	3
14	281,4	-	0	45.579,	6,1590	0,0666	-7,11602	0	0,6080	1,3062
	62	6,64228		83	2	627			48	7
14	281,5	-	0	45.666,	6,3487	0,0701	-7,3128	0	0,6080	1,3072
	62	6,58147		63	7	308			49	3
14	281,6	-	0	45.795,	6,5341	0,0734	-7,55166	0	0,6080	1,3083
	62	6,52067		14	4	739			46	9
14	281,7	-	0	45.951,	6,7157	0,0767	-7,8192	0	0,6080	1,3096
	62	6,45986		02	1	05			41	8
14	281,8	-6,3869	0	46.167,	6,9287	0,0804	-8,17182	0	0,6080	1,3113
	82			18	7	478			34	8

14	282,026	-6,29934	0	46.455,97	7,17821	0,0847616	-8,62918	0	0,608026	1,31358
14	282,199	-6,19427	0	46.831,07	7,46953	0,0897033	-9,21489	0	0,608015	1,31641
14	282,407	-6,0682	0	47.306,52	7,80885	0,0953286	-9,95648	0	0,608004	1,31999
14	282,655	-5,91691	0	47.895,43	8,20325	0,101683	-10,8854	0	0,607995	1,324595
14	282,954	-5,73536	0	48.608,14	8,66096	0,108798	-12,0367	0	0,607989	1,33013
14	283,312	-5,51751	0	49.450,41	9,19188	0,116678	-13,4491	0	0,607992	1,33709
14	283,742	-5,25608	0	50.421,62	9,80722	0,125316	-15,1643	0	0,608009	1,34565
14	284,258	-4,94235	0	51.510,15	10,5189	0,134737	-17,1662	0	0,608044	1,35578
14	284,878	-4,56585	0	52.685,14	11,3414	0,14507	-19,2682	0	0,608108	1,36652
14	285,621	-4,11398	0	53.896,07	12,2909	0,156482	-21,344	0	0,608211	1,37725
14	286,512	-3,57163	0	55.066,60	13,3859	0,169209	-23,2547	0	0,608363	1,38722
14	287,582	-2,92061	0	56.075,07	14,6747	0,183322	-24,7927	0	0,608578	1,395378
14	288,866	-2,13905	0	56.713,28	16,2882	0,198389	-25,6164	0	0,608884	1,39961
14	290,407	-1,20062	0	56.772,40	18,314	0,214874	-25,3812	0	0,609304	1,39823
14	292,256	-0,0736115	0	56.074,53	20,8196	0,233587	-23,842	0	0,609842	1,38992
14	294,474	1,28013	0	54.200,66	23,8857	0,257014	-20,5414	0	0,610505	1,37263
14	297,136	2,90652	0	50.705,95	27,584	0,289239	-15,1709	0	0,611268	1,34552
14	300,331	4,86079	0	45.197,22	31,9688	0,336037	-7,94192	0	0,612125	1,31074
14	304,1	7,20949	0	37.378,	37,032	0,4036	0,250811	0	0,6131	1,2732

	65			35	5	82			53	4
14	304,9 25	7,67575	0	35.644, 57	38,000 2	0,4187 55	1,96632	0	0,6133 92	1,2655 9
14	304,9 25	7,67575	0	35.644, 57	38,000 2	0,4187 55	1,96632	0	0,6133 92	1,2655 9
14	308,7 66	10,0754	0	27.110, 50	41,225	0,5053 42	9,2747	0	0,6143 47	1,2337 6
14	310,6 05	11,2225	0	23.941, 61	42,753	0,5507 07	11,4413	0	0,6145 36	1,2246 2
14	314,2 86	13,5325	0	18.989, 03	45,811 4	0,6461 3	14,3912	0	0,6147 22	1,2124 2
14	320,9 11	17,7118	0	13.235, 02	51,286 1	0,8252 21	17,2727	0	0,6148 28	1,2008 2
14	328,8 61	22,7337	0	9.279,7 7	57,803 3	1,0405 3	18,9686	0	0,6148 59	1,1941 7
14	336,4 24	27,5118	0	7.017,3 8	63,988 7	1,2386 6	19,8437	0	0,6148 67	1,1908 2
14	336,4 24	27,5118	0	7.017,3 8	63,988 7	1,2386 6	19,8437	0	0,6148 67	1,1908 2
14	338,4	28,7271	0	6.573,1 1	65,866 3	1,2888 9	20,0071	0	0,6148 68	1,1902
14	338,6 22	28,8635	0	6.526,7 1	66,072 4	1,2944 5	20,0241	0	0,6148 68	1,1901 4
14	349,8 48	35,7658	0	4.768,7 2	74,751 5	1,5901 3	21,7041	0	0,6148 71	1,1840 5
14	363,5 85	44,4568	0	3.548,5 6	80,880 9	1,8650 8	22,9152	0	0,6561 51	1,1797 8
14	380,0 69	55,7048	0	2.790,1 3	83,305 3	2,1476 1	23,6169	0	0,7061 5	1,1773 6
14	399,8 51	70,1953	0	2.244,9 6	84,024 4	2,4656 1	24,069	0	0,7590 21	1,1758 3
14	423,5 88	88,968	0	1.757,7 1	84,928 3	2,8774 8	24,394	0	0,8227 13	1,1747 7
14	452,0 73	113,377	0	1.396,9 5	86,085 8	3,3182 4	24,6017	0	0,8861 56	1,1741 2
14	486,2 56	144,763	0	1.122,9 9	87,550 2	3,7886 4	24,7377	0	0,9496 4	1,1737 2
14	527,2	185,193	0	891,06	89,404	4,3517	24,8311	0	1,0208	1,1734



	74				4	9			1	6
14	561,153	220,724	0	751,08	91,0094	4,81685	24,878	0	1,07629	1,17334

Weather: Category 5/D

Wind speed [m/s]	5
Pasquill stability	D neutral - little sun and high wind or overcast/windy night
Atmospheric temperature [degC]	25
Relative humidity [fraction]	0,75
Solar radiation flux [kW/m2]	0,5
Mixing layer height [m]	800

Observer Release Data and Observer Mass Data

Observer number	Release type	Start time [s]	Start downwind distance [m]	Unit	Masses or mass rates			
					Release	Rainout	Pool vapour pick-up	Final
1	Continuous	0	0	kg/s	14,567	14,4752		0,091728
2	Continuous	0,22	-0,247373	kg/s	14,567	14,4752		1,04438
3	Continuous	20,1197	-4,65569	kg/s	14,567	14,4752		9,7777
4	Continuous	34,3799	-5,57009	kg/s	14,567	14,4752		10,526
5	Continuous	47,7368	-6,20209	kg/s	14,567	14,4752		11,0315
6	Continuous	60,5433	-6,68986	kg/s	14,567	14,4752		11,4086
7	Continuous	72,98	-7,08998	kg/s	14,567	14,4752		11,6665
8	Continuous	85,1484	-7,4311	kg/s	14,567	14,4752		11,7192
9	Continuous	86,8779	-7,47838	kg/s	14,567	14,4752		11,0347
10	Continuous	86,8789	-7,47838	kg/s	0	0	10,943	10,943

11	Continuou s	91,597 6	-7,5523	kg/s	0	0	8,29129
12	Continuou s	100,43 8	-7,5523	kg/s	0	0	6,0131
13	Continuou s	133,51 4	-7,5523	kg/s	0	0	2,70475
14	Continuou s	268,42 8	-7,5523	kg/s	0	0	0,28859 9

Time-varying Observer Dispersion Data (before along-wind-diffusion effects)

Dispersion data correspond to an averaging time of: 18,75 s

Observer number	Time [s]	Down wind distance [m]	C/Li ne height [m]	C/Li ne conc [ppm]	Effecti ve width [m]	Effecti ve depth [m]	C/Line vapour temperature [degC]	C/Li ne liquid fraction	Centr oid velocity [m/s]	C/Lin e cloud density [kg/m ³]
1	0	0	0	999.90 6,06	0,19238 9	0,0932 308	-160,938	0	2,6768 9	1,9107 4
1	0,01	0,02683 1	0	991.75 1,52	0,20511	0,0900 647	-158,253	0	2,6893	1,8723 5
1	0,02	0,05378 79	0	983.19 2,21	0,21737 8	0,0875 729	-155,467	0	2,7020 6	1,8348 2
1	0,03	0,08087 37	0	974.26 1,26	0,22924 7	0,0856 067	-152,594	0	2,7150 9	1,7983 8
1	0,04	0,10809 1	0	964.99 1,48	0,24076 1	0,0840 575	-149,645	0	2,7283 1	1,7631 7
1	0,05	0,13544	0	955.41 4,58	0,25196 1	0,0828 44	-146,633	0	2,7416 6	1,7293
1	0,06	0,16292 4	0	945.56 1,29	0,26288 3	0,0819 038	-143,57	0	2,7550 6	1,6968 3
1	0,07	0,19054 1	0	935.46 0,50	0,27355 6	0,0811 899	-140,465	0	2,7684 5	1,6658 1
1	0,08	0,21829 2	0	925.13 8,59	0,28399 7	0,0806 687	-137,327	0	2,7817 8	1,6362 2

1	0,09	0,24617 4	0	914.62 2,01	0,29422 2	0,0803 115	-134,166	0	2,7949 9	1,6080 5
1	0,1	0,27418 8	0	903.93 6,71	0,30424 8	0,0800 952	-130,99	0	2,8080 6	1,5812 9
1	0,11	0,30233 3	0	893.10 7,27	0,31408 5	0,0800 016	-127,806	0	2,8209 3	1,5559 1
1	0,12	0,33060 4	0	882.15 6,42	0,32373 4	0,0800 189	-124,62	0	2,8335 8	1,5318 3
1	0,13	0,359	0	871.10 6,71	0,33319 8	0,0801 35	-121,44	0	2,8459 7	1,5090 3
1	0,14	0,38752	0	859.97 9,99	0,34247 9	0,0803 41	-118,271	0	2,8580 9	1,4874 5
1	0,15	0,41615 8	0	848.79 7,72	0,35157 3	0,0806 304	-115,119	0	2,8699 1	1,4670 3
1	0,16	0,44491 3	0	837.57 9,02	0,36047 9	0,0809 964	-111,987	0	2,8814 1	1,4477 2
1	0,17	0,47378 1	0	826.34 3,24	0,36919 5	0,0814 339	-108,882	0	2,8925 9	1,4294 6
1	0,18	0,50276	0	815.10 7,97	0,37771 9	0,0819 382	-105,806	0	2,9034 3	1,4122
1	0,19	0,53184 6	0	803.88 9,68	0,38604 9	0,0825 055	-102,765	0	2,9139 2	1,3958 9
1	0,2	0,56103 5	0	792.70 6,20	0,39417 9	0,0831 33	-99,7598	0	2,9240 7	1,3804 7
1	0,212	0,59619 3	0	779.35 1,36	0,40367	0,0839 607	-96,2074	0	2,9357 8	1,3630 9
1	0,226 4	0,63856 4	0	763.45 2,23	0,41467 3	0,0850 558	-92,0269	0	2,9491 7	1,3437 2
1	0,243 68	0,68965 8	0	744.60 4,46	0,42731 4	0,0865 077	-87,1381	0	2,9642 9	1,3224 6
1	0,264 416	0,75130 2	0	722.39 6,95	0,44166	0,0884 363	-81,4665	0	2,9811 1	1,2995 2
1	0,289 299	0,82571 6	0	696.44 4,92	0,45766 9	0,0910 026	-74,9566	0	2,9994 7	1,2752 6
1	0,319 159	0,91558 3	0	666.45 4,13	0,47509 4	0,0944 282	-67,5861	0	3,0190 7	1,2502 1
1	0,354 991	1,02414	0	632.30 1,17	0,49331 7	0,0990 281	-59,3883	0	3,0394 1	1,2250 6

1	0,397 989	1,15529	0	594.13 6,98	0,51115 1	0,1052 54	-50,4811	0	3,0598 3	1,2006 4
1	0,418 549	1,2183	0	576.99 5,26	0,51843	0,1084 37	-46,5718	0	3,0682 7	1,1908 2
1	0,418 549	1,2183	0	576.99 5,26	0,51843	0,1084 37	-46,5718	0	3,0682 7	1,1908 2
1	0,449 587	1,31371	0	551.86 7,71	0,52821 4	0,1135 9	-40,9913	0	3,0797 3	1,1778 1
1	0,511 504	1,50501	0	500.96 9,54	0,54782 1	0,1253 29	-30,4375	0	3,0994 3	1,1568 9
1	0,585 805	1,73599	0	442.00 9,84	0,57149 3	0,1414 69	-19,49	0	3,1178 8	1,1404 2
1	0,674 966	2,01472	0	378.98 2,54	0,60014 5	0,1625 21	-9,54046	0	3,1338 5	1,1313 5
1	0,781 959	2,35078	0	315.53 4,78	0,63494 6	0,1895 4	-1,48614	0	3,1468 6	1,1303 5
1	0,910 351	2,75553	0	256.21 0,55	0,67654 4	0,2235 59	4,59284	0	3,1568	1,1349 1
1	1,064 42	3,24252	0	204.81 0,79	0,72645 3	0,2644 95	9,16726	0	3,1639 8	1,1411 6
1	1,249 31	3,82802	0	161.61 4,55	0,78645 1	0,3131 71	12,5014	0	3,1690 8	1,1480 8
1	1,471 17	4,53156	0	125.93 3,60	0,85855 4	0,3713 16	14,9557	0	3,1726 5	1,1547 5
1	1,737 4	5,3766	0	96.956, 12	0,94516	0,4409 38	16,7723	0	3,1751 3	1,1607 2
1	2,056 88	6,39129	0	73.806, 12	1,04915	0,5243 79	18,1191	0	3,1768 3	1,1658 2
1	2,440 26	7,60945	0	55.578, 07	1,174	0,6244 2	19,116	0	3,1779 8	1,1700 4
1	2,900 31	9,07167	0	41.190, 16	1,32385	0,7458 22	20,4668	0	3,1787 6	1,1712 6
1	3,452 37	10,8267	0	30.265, 29	1,50372	0,8924 67	21,8225	0	3,1792 8	1,1710 9
1	3,971 92	12,4786	0	23.537, 00	1,67292	1,0303 6	22,6228	0	3,1795 6	1,1711 5
1	4,114 84	12,933	0	22.074, 27	1,7194	1,0686 5	22,7924	0	3,1796 1	1,1711 9

1	4,909 81	15,4608	0	15.947, 93	1,97731	1,2839 8	23,4812	0	3,1798 4	1,1714 2
1	5,863 77	18,4952	0	11.501, 01	2,28574	1,5371 4	23,9593	0	3,1799 8	1,1716 9
1	6,146 84	19,3981	0	10.530, 10	2,37725	1,6054 7	24,0597	0	3,1942 1	1,1717 7
1	7,008 53	22,1841	0	8.161,6 8	2,6589	1,8013 6	24,2961	0	3,2668 6	1,1719 7
1	8,382 23	26,7454	0	5.657,6 6	3,11788	2,1192 8	24,5329	0	3,3729 3	1,1722 4
1	10,03 07	32,4017	0	3.852,7 7	3,68353	2,5133	24,6957	0	3,4879 1	1,1724 7
1	12,00 88	39,4262	0	2.588,6 7	4,38113	3,0021 8	24,8049	0	3,6118 8	1,1726 6
1	14,38 26	48,161	0	1.716,5 1	5,24182	3,6098 7	24,8767	0	3,7455 8	1,1728 2
1	16,39 71	55,8099	0	1.273,9 5	5,99001	4,1434	24,9124	0	3,8480 3	1,1729 1
2	0,22	- 0,24737 3	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
2	0,32	- 0,17418 3	0	916.50 8,86	0,44120 6	0,0944 85	-145,847	0	0,5705 16	1,7619 6
2	0,42	- 0,11569 7	0	914.39 3,28	0,66553	0,1376 08	-145,409	0	0,6061 84	1,7579 4
2	0,52	-0,0527	0	909.18 1,19	0,86363 7	0,1691 63	-144,362	0	0,6536 21	1,7486 3
2	0,598 378	3,608E- 15	0	904.79 4,54	1,00866	0,1892 45	-143,334	0	0,6911 25	1,7388 3
2	0,598 378	3,608E- 15	0	953.61 7,81	0,81143 9	0,1641 24	-152,449	0	1,2786 7	1,8206 6
2	0,62	0,02699 25	0	949.41 1,76	0,86624 4	0,1781 47	-151,666	0	1,222	1,8130 6
2	0,72	0,14118 3	0	935.37 4,20	1,09054	0,2267 95	-149,019	0	1,0846 1	1,7880 1

2	0,82	0,24705	0	924.79 6,34	1,29699	0,2564 47	-146,634	0	1,0383 9	1,7641 8
2	0,92	0,35042 5	0	914.83 7,46	1,50689	0,2720 44	-144,077	0	1,0331 7	1,7382 1
2	1,02	0,45464 8	0	904.35 0,86	1,71689	0,2790 73	-141,194	0	1,0536 5	1,7095 5
2	1,12	0,56187 5	0	892.74 7,80	1,92378	0,2807 3	-137,884	0	1,0936 2	1,6778 7
2	1,22	0,67397 8	0	879.41 6,60	2,12511	0,2785 8	-134,007	0	1,1515 5	1,6426 8
2	1,32	0,79284	0	863.49 4,89	2,31874	0,2731 09	-129,329	0	1,2292	1,6028 9
2	1,42	0,92086 6	0	842.75 4,99	2,50181	0,2625 47	-123,152	0	1,3376 4	1,5542 9
2	1,443 5	0,95268 5	0	836.58 5,62	2,54277	0,2587 1	-121,289	0	1,3709 4	1,5404
2	1,443 5	0,95268 5	0	836.58 5,62	2,54277	0,2587 1	-121,289	0	1,3709 4	1,5404
2	1,52	1,06282	0	811.47 8,13	2,66301	0,2432 6	-113,721	0	1,5058 9	1,4877 2
2	1,62	1,22263	0	774.31 0,65	2,81373	0,2298 32	-103,024	0	1,6901 1	1,4233 5
2	1,72	1,40072	0	734.67 3,14	2,94912	0,2225 72	-92,0109	0	1,8710 9	1,3667 4
2	1,82	1,59642	0	693.91 3,46	3,06941	0,2202 67	-81,0583	0	2,0414 6	1,3183 5
2	1,92	1,80849	0	653.18 3,58	3,17473	0,2220 03	-70,4657	0	2,1964 2	1,2778
2	2,02	2,03522	0	613.48 0,64	3,26498	0,2270 89	-60,4636	0	2,3334 6	1,2442 9
2	2,12	2,2747	0	575.57 6,43	3,33967	0,2350 21	-51,2126	0	2,4520 2	1,2169 1
2	2,22	2,5251	0	539.99 5,32	3,39727	0,2454 82	-42,8144	0	2,5529 9	1,1948
2	2,34	2,83772	0	500.41 5,40	3,43981	0,2614 39	-33,8811	0	2,6538 5	1,1740 7
2	2,484	3,22744	0	453.37 7,38	3,47893	0,2860 01	-24,1831	0	2,7548 9	1,1555 8

2	2,656 8	3,71189	0	399.86 2,49	3,52906	0,3210 85	-14,5165	0	2,8499 5	1,1419 8
2	2,864 16	4,31167	0	345.10 9,26	3,59086	0,3671 15	-6,2176	0	2,9313 9	1,1353 3
2	3,112 99	5,04912	0	292.96 9,62	3,66648	0,4245 47	0,101853	0	2,9968 2	1,1353 9
2	3,411 59	5,95145	0	245.57 5,47	3,75896	0,4954 79	5,17481	0	3,0470 2	1,1379 2
2	3,769 91	7,05042	0	203.86 1,97	3,87159	0,5810 93	9,01919	0	3,0843 8	1,1423 3
2	4,199 89	8,38333	0	167.89 9,34	4,0082	0,6825 58	11,9274	0	3,1116 7	1,1474 3
2	4,715 87	9,9941	0	137.52 1,37	4,17328	0,8006 98	14,1392	0	3,1314 9	1,1525
2	5,107 32	11,2215	0	120.51 8,08	4,29907	0,8872 88	15,2957	0	3,1413 4	1,1556 2
2	5,107 32	11,2215	0	120.51 8,08	4,29907	0,8872 88	15,2957	0	3,1413 4	1,1556 2
2	5,335 04	11,9376	0	112.22 5,56	4,37242	0,9370 01	15,8372	0	3,1457 3	1,1572 2
2	6,078 05	14,2792	0	90.858, 79	4,61177	1,0979 2	17,1727	0	3,156 6	1,1615
2	6,969 66	17,0966	0	72.656, 30	4,89867	1,2932 9	18,2414	0	3,1634 8	1,1655 1
2	8,039 59	20,4846	0	56.979, 68	5,24423	1,5412 5	19,1074	0	3,1688 8	1,1691 2
2	9,323 51	24,6183	0	43.274, 42	5,66262	1,8274 4	20,4416	0	3,2686 6	1,1702 5
2	10,86 42	29,7481	0	32.110, 79	6,17713	2,1852 5	21,8106	0	3,3886 4	1,1702 4
2	12,65 07	35,9141	0	23.599, 01	6,7915	2,6150 8	22,7875	0	3,5123 9	1,1705
2	12,71 31	36,1331	0	23.360, 63	6,81325	2,6305	22,8139	0	3,5162 9	1,1705 1
2	14,93 17	44,098	0	16.646, 71	7,6007	3,1893 4	23,5319	0	3,6532 5	1,1709 3
2	17,59 4	54,0183	0	11.677, 87	8,57355	3,8812 1	24,0303	0	3,7977 2	1,1713 8

2	18,06 42	55,8093	0	11.020, 86	8,74831	4,0061	24,0937	0	3,8215 4	1,1714 5
3	20,11 97	- 4,65569	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
3	20,21 97	- 4,43192	0	567.21 7,11	2,19663	0,0196 278	-89,8326	0	2,2025 4	1,4834 4
3	20,31 97	- 4,21138	0	567.13 7,91	3,09142	0,0385 912	-89,7387	0	2,2083 5	1,4827 3
3	20,41 97	- 3,99023	0	565.63 1,95	3,77578	0,0574 712	-89,4688	0	2,2146 9	1,4817 2
3	20,51 97	- 3,76844	0	563.83 9,12	4,35157	0,0762 157	-89,1678	0	2,2211 1	1,4806 8
3	20,61 97	- 3,54601	0	561.91 9,81	4,85764	0,0948 123	-88,8524	0	2,2276 3	1,4796 3
3	20,71 97	- 3,32292	0	559.92 6,99	5,31291	0,1132 85	-88,528	0	2,2342 5	1,4785 7
3	20,81 97	- 3,09916	0	557.88 8,98	5,72852	0,1316 58	-88,1979	0	2,2409 2	1,4775
3	20,91 97	- 2,87473	0	555.81 9,12	6,11283	0,1499 18	-87,8638	0	2,2476 3	1,4764 3
3	21,01 97	- 2,64963	0	553.72 1,96	6,47154	0,1680 6	-87,5259	0	2,2543 7	1,4753 5
3	21,11 97	- 2,42385	0	551.59 4,30	6,80873	0,1860 75	-87,1835	0	2,2611 7	1,4742 7
3	21,21 97	- 2,19739	0	549.43 2,52	7,12722	0,2039 67	-86,8358	0	2,2680 4	1,4731 7
3	21,31 97	- 1,97024	0	547.23 6,88	7,42867	0,2217 55	-86,4828	0	2,275 7	1,4720 7
3	21,41 97	- 1,74239	0	545.02 3,33	7,71504	0,2394 26	-86,1285	0	2,282 7	1,4709 7
3	21,51 97	- 1,51387	0	542.88 7,57	7,98748	0,2569 4	-85,7892	0	2,2888 6	1,4699 3
3	21,61 97	- 1,28473	0	541.09 3,54	8,24739	0,2741 34	-85,5083	0	2,2950 5	1,4691
3	21,71 97	- 1,05495	0	539.58 7,46	8,49586	0,2910 2	-85,2605	0	2,3006 9	1,4683 1
3	21,81	-	0	538.36	8,73378	0,3075	-85,0336	0	2,3058	1,4674

	97	0,82454 3		3,37		8			2	6
3	21,91 97	- 0,59362	0	537.30 1,80	8,9616	0,3238 56	-84,8033	0	2,3107 2	1,4664 7
3	22,01 97	- 0,36222 1	0	536.32 6,21	9,17988	0,3398 8	-84,5563	0	2,3155 6	1,4652 8
3	22,11 97	- 0,13038 1	0	535.38 2,43	9,38928	0,3556 68	-84,2839	0	2,3204 7	1,4638 7
3	22,17 58	5,738E- 13	0	534.85 2,29	9,50329	0,3644 3	-84,1182	0	2,3232 7	1,4629 8
3	22,17 58	5,738E- 13	0	544.32 4,95	9,33124	0,3679 4	-85,8005	0	2,3260 4	1,4689
3	22,23 97	0,14862 9	0	543.61 2,96	9,46456	0,3775 01	-85,6071	0	2,3283 3	1,4679 2
3	22,38 37	0,48452 4	0	541.87 5,09	9,75583	0,3986 86	-85,0801	0	2,3344 9	1,4651
3	22,55 65	0,88873 2	0	539.58 3,36	10,1103	0,4225 47	-84,325	0	2,3430 8	1,4609 4
3	22,76 38	1,37587	0	536.30 3,15	10,5446	0,4490 81	-83,1791	0	2,3556 7	1,4545 3
3	23,01 27	1,96433	0	531.26 6,20	11,0758	0,4783 44	-81,3709	0	2,3747 7	1,4444 8
3	23,31 13	2,67764	0	523.22 5,51	11,7212	0,5104 4	-78,4803	0	2,4040 4	1,4288 1
3	23,66 96	3,54696	0	509.86 2,73	12,4963	0,5455 68	-73,746	0	2,4499 3	1,4043 1
3	24,09 96	4,61609	0	485.68 3,55	13,4048	0,5836 91	-65,3676	0	2,5273 2	1,3641 7
3	24,23 18	4,95237	0	475.11 7,68	13,6734	0,5942 76	-61,7492	0	2,5597 6	1,3479 4
3	24,23 18	4,95237	0	475.11 7,68	13,6734	0,5942 76	-61,7492	0	2,5597 6	1,3479 4
3	24,61 55	5,95667	0	435.50 9,49	14,3948	0,6265 93	-48,6006	0	2,6726 6	1,2943
3	25,23 47	7,65682	0	375.85 9,14	15,3516	0,6985 22	-30,5781	0	2,8138 4	1,2335 8

3	25,97 77	9,79225	0	317.29 9,66	16,1608	0,8023 56	-15,4921	0	2,9257 7	1,1935 6
3	26,05 63	10,0226	0	311.92 7,78	16,2249	0,8142 58	-14,2693	0	2,9348 7	1,1908 2
3	26,05 63	10,0226	0	311.92 7,78	16,2249	0,8142 58	-14,2693	0	2,9348 7	1,1908 2
3	26,86 93	12,4407	0	261.94 6,67	16,6313	0,9577 64	-4,40909	0	3,0090 9	1,1726 7
3	27,93 93	15,6959	0	206.29 1,48	16,9641	1,2046 2	3,70568	0	3,0703 8	1,1652
3	29,22 32	19,6663	0	159.99 6,22	17,3671	1,5290 5	9,22882	0	3,1099 2	1,1639 6
3	30,76 39	24,5575	0	123.40 2,67	17,8606	1,8718 2	12,8872	0	3,2465 4	1,1656 6
3	32,61 27	30,7018	0	93.895, 83	18,4764	2,2942 7	15,4614	0	3,3968 7	1,1684 1
3	34,83 13	38,4111	0	70.525, 94	19,2431	2,8246 5	17,2935	0	3,5502 2	1,1713 4
3	37,49 37	48,0787	0	52.311, 53	20,1962	3,4897	18,6044	0	3,7083 2	1,1740 7
3	40,68 85	60,1962	0	38.341, 54	21,3794	4,3230 8	19,5438	0	3,8725 6	1,1764 2
3	44,52 22	75,3835	0	27.743, 92	22,8468	5,3804 8	21,1552	0	4,0460 7	1,1750 5
3	46,57 1	83,7578	0	23.737, 20	23,6493	5,9652 7	21,8037	0	4,1296 7	1,1744 1
3	49,12 27	94,4502	0	19.772, 63	24,6673	6,7193 6	22,4198	0	4,2284 1	1,1738 8
3	54,64 34	118,275	0	14.423, 87	26,9149	8,1477 7	23,2264	0	4,3928 5	1,1732 7
3	57,30 75	130,068	0	12.628, 81	28,0174	8,8102 7	23,4861	0	4,4612 4	1,1731 1
4	34,37 99	- 5,57009	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
4	34,47 99	- 5,32788	0	495.80 2,02	2,48634	0,0177 021	-79,1713	0	2,3958 7	1,4546 6
4	34,57	-	0	495.93	3,49972	0,0349	-79,1257	0	2,3997	1,4542

	99	5,08811		1,43		822				2
4	34,67	-	0	494.86	4,27309	0,0522	-78,9332	0	2,4037	1,4535
	99	4,84794		7,93		545			7	6
4	34,77	-	0	493.49	4,9245	0,0694	-78,7037	0	2,4081	1,4528
	99	4,60735		7,10		19				6
4	34,87	-	0	492.02	5,49189	0,0865	-78,4642	0	2,4124	1,4521
	99	4,36632		9,76		777			7	5
4	34,97	-	0	490.52	6,00074	0,1037	-78,222	0	2,4168	1,4514
	99	4,12485		7,94		07			1	6
4	35,07	-	0	488.99	6,46607	0,1207	-77,9761	0	2,4211	1,4507
	99	3,88295		4,31		68			8	6
4	35,17	-	0	487.42	6,89603	0,1377	-77,7251	0	2,4256	1,4500
	99	3,64061		4,58		69			2	5
4	35,27	-	0	485.82	7,29619	0,1547	-77,4697	0	2,4301	1,4493
	99	3,39783		4,71		29			2	4
4	35,37	-	0	484.19	7,67085	0,1716	-77,2106	0	2,4346	1,4486
	99	3,15459		9,44		54			7	1
4	35,47	-	0	482.54	8,02411	0,1885	-76,9471	0	2,4392	1,4478
	99	2,91089		5,81		22			8	8
4	35,57	-	0	480.86	8,3585	0,2053	-76,6791	0	2,4439	1,4471
	99	2,66673		3,51		37			5	4
4	35,67	-2,4221	0	479.15	8,67624	0,2220	-76,4063	0	2,4486	1,4463
	99			0,85		93			9	9
4	35,77	-	0	477.40	8,97893	0,2387	-76,1283	0	2,4535	1,4456
	99	2,17699		6,40		93			1	2
4	35,87	-	0	475.63	9,26776	0,2554	-75,8464	0	2,4584	1,4448
	99	1,93139		6,85		38				5
4	35,97	-	0	473.94	9,54367	0,2719	-75,5786	0	2,4631	1,4441
	99	1,68532		5,41		67			6	2
4	36,07	-	0	472.38	9,8077	0,2883	-75,3283	0	2,4677	1,4434
	99	1,43879		4,29		36			2	3
4	36,17	-	0	471.05	10,0606	0,3044	-75,0964	0	2,4719	1,4427
	99	1,19183		5,12		79				1
4	36,27	-	0	469.90	10,3031	0,3203	-74,8759	0	2,4758	1,4419
	99	0,94445		3,19		98			1	4
		4								
4	36,37	-	0	468.87	10,5359	0,3361	-74,6579	0	2,4795	1,4411
	99	0,69666		1,13		11			7	

		4								
4	36,49 99	- 0,39882 9	0	467.76 7,12	10,8028	0,3547	-74,3889	0	2,4839 4	1,4399 4
4	36,64 39	- 0,04074 51	0	466.56 2,53	11,107	0,3766 31	-74,0415	0	2,4891 4	1,4382 9
4	36,66 03	1,02417 E-12	0	466.42 7,90	11,1405	0,3791	-73,9994	0	2,4897 4	1,4380 9
4	36,66 03	1,02417 E-12	0	475.21 7,53	10,9526	0,3820 17	-75,5549	0	2,4908 8	1,443
4	36,81 67	0,39008 3	0	473.72 3,39	11,2764	0,4046 82	-75,135	0	2,4952 5	1,4410 2
4	37,02 41	0,90867 2	0	471.44 5,21	11,6947	0,4336 93	-74,3745	0	2,5027 9	1,4371 3
4	37,27 29	1,53325	0	468.18 4,94	12,2084	0,4660 74	-73,1921	0	2,5139 4	1,4309 3
4	37,57 15	2,2864	0	463.33 1,00	12,8371	0,5019 35	-71,3642	0	2,5303 8	1,4213 7
4	37,92 98	3,19769	0	455.33 8,51	13,6038	0,5416 55	-68,3308	0	2,5563 6	1,4058 4
4	38,35 98	4,30552	0	441.60 3,40	14,5272	0,5859 84	-63,1937	0	2,5983 6	1,3807 5
4	38,87 58	5,66442	0	415.07 4,27	15,6042	0,6361 83	-53,5359	0	2,6736 8	1,3373 1
4	38,92 74	5,80275	0	411.36 3,14	15,7076	0,6410 4	-52,2046	0	2,6838 5	1,3316 6
4	38,92 74	5,80275	0	411.36 3,14	15,7076	0,6410 4	-52,2046	0	2,6838 5	1,3316 6
4	39,49 5	7,36127	0	363.00 7,41	16,7455	0,7008 77	-35,6387	0	2,8051	1,2681 2
4	40,23 8	9,4885	0	307.93 4,38	17,8154	0,7985 52	-19,2254	0	2,9172 7	1,2171 8
4	41,00 94	11,7692	0	262.74 6,06	18,6078	0,9117 11	-8,32732	0	2,9924 1	1,1908 2
4	41,00 94	11,7692	0	262.74 6,06	18,6078	0,9117 11	-8,32732	0	2,9924 1	1,1908 2
4	41,12	12,1296	0	256.61	18,7033	0,9305	-7,04912	0	3,0014	1,1882

	96			8,50		62			5	4
4	42,19 95	15,3761	0	209.17 2,72	19,2588	1,1223 4	1,22699	0	3,0619 8	1,1755 1
4	43,48 34	19,3371	0	164.95 1,62	19,6612	1,4086 5	7,43998	0	3,1042 7	1,1701 1
4	45,02 41	24,1796	0	126.75 3,02	20,1504	1,7616 1	11,7831	0	3,2044 8	1,1694 9
4	46,87 3	30,2529	0	95.863, 42	20,7594	2,1793	14,7777	0	3,3610 9	1,1709 4
4	49,09 16	37,889	0	71.688, 00	21,5193	2,7048 7	16,8564	0	3,5193 6	1,1730 7
4	51,75 39	47,4799	0	53.030, 76	22,4653	3,3649 8	18,3172	0	3,6815 3	1,1752 5
4	54,94 87	59,5173	0	38.805, 07	23,6413	4,1932 6	19,3506	0	3,8492 1	1,1772 3
4	58,78 25	74,6189	0	28.076, 93	25,1012	5,2408 1	20,7327	0	4,025	1,1766
4	60,97 71	83,5524	0	23.782, 16	25,9576	5,8640 3	21,4968	0	4,1160 1	1,1756 3
4	63,38 3	93,5934	0	20.045, 58	26,9139	6,5716	22,134	0	4,2099 2	1,1749
4	68,90 36	117,336	0	14.598, 80	29,1548	8,0235 6	23,0335	0	4,3796	1,1739 5
4	71,71 48	129,749	0	12.717, 43	30,3157	8,7217 3	23,3328	0	4,4523 9	1,1736 8
5	47,73 68	- 6,20209	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
5	47,83 68	- 5,95078	0	455.79 0,34	2,66315	0,0168 593	-73,2645	0	2,4913 7	1,4405 5
5	47,93 68	- 5,70149	0	455.95 9,46	3,7506	0,0333 826	-73,2361	0	2,4944 6	1,4402 2
5	48,03 68	- 5,45187	0	454.98 3,37	4,58091	0,0498 832	-73,0611	0	2,4979 2	1,4396 6
5	48,13 68	- 5,20191	0	453.79 4,41	5,27569	0,0663 7	-72,8634	0	2,5013 9	1,4391
5	48,23 68	- 4,95159	0	452.53 0,56	5,88311	0,0828 375	-72,6583	0	2,5048 7	1,4385 3

5	48,33 68	- 4,70093	0	451.21 7,84	6,42927	0,0992 544	-72,4475	0	2,5083 9	1,4379 7
5	48,43 68	- 4,44991	0	449.86 5,41	6,92806	0,1156 31	-72,2316	0	2,5119 7	1,4374
5	48,53 68	- 4,19854	0	448.47 8,19	7,38926	0,1319 6	-72,0107	0	2,5156 2	1,4368 1
5	48,63 68	- 3,94679	0	447.06 2,69	7,81851	0,1482 63	-71,7857	0	2,5193 1	1,4362 2
5	48,73 68	- 3,69467	0	445.62 2,94	8,22057	0,1645 46	-71,5572	0	2,5230 5	1,4356 3
5	48,83 68	- 3,44218	0	444.16 1,70	8,59901	0,1808 1	-71,3254	0	2,5268 4	1,4350 3
5	48,93 68	-3,1893	0	442.67 9,53	8,95705	0,1970 49	-71,0904	0	2,5306 6	1,4344 2
5	49,03 68	- 2,93604	0	441.17 5,36	9,29711	0,2132 57	-70,852	0	2,5345 3	1,4338
5	49,13 68	- 2,68239	0	439.64 7,65	9,62101	0,2294 34	-70,6099	0	2,5384 5	1,4331 8
5	49,23 68	- 2,42835	0	438.09 4,80	9,93041	0,2455 76	-70,3637	0	2,5424 2	1,4325 5
5	49,33 68	- 2,17391	0	436.51 5,15	10,2265	0,2616 83	-70,1132	0	2,5464 6	1,4319 1
5	49,43 68	- 1,91907	0	434.97 2,70	10,5102	0,2777 14	-69,8671	0	2,5504 5	1,4312 7
5	49,53 68	- 1,66385	0	433.53 0,68	10,7821	0,2936 24	-69,6343	0	2,5543 6	1,4306
5	49,63 68	- 1,40826	0	432.22 7,10	11,0428	0,3093 84	-69,4169	0	2,5579 4	1,4300 6
5	49,73 68	- 1,15232	0	431.06 7,29	11,2931	0,3249 74	-69,207	0	2,5613 8	1,4294 1
5	49,85 68	- 0,84473 5	0	429.88 2,65	11,5805	0,3434 09	-68,9691	0	2,5652 1	1,4285 8
5	50,00 08	- 0,47500 3	0	428.62 8,39	11,9078	0,3652 15	-68,6768	0	2,5696 4	1,4274 2
5	50,17 36	- 0,03045	0	427.32 2,96	12,2772	0,3908 97	-68,3059	0	2,5747 9	1,4257 5

36

5	50,18 54	1,97966 E-15	0	427.23 6,00	12,3016	0,3926 39	-68,2787	0	2,5751 4	1,4256 2
5	50,18 54	1,97966 E-15	0	435.45 5,33	12,1037	0,3952 38	-69,731	0	2,5756 7	1,4299 6
5	50,38 1	0,50424 6	0	433.74 4,18	12,5089	0,4229 29	-69,2423	0	2,5804 7	1,4277 3
5	50,62 98	1,14767	0	431.28 4,35	13,0117	0,4567 45	-68,3973	0	2,5882 2	1,4235 5
5	50,92 84	1,92237	0	427.74 2,33	13,63	0,4943 43	-67,0652	0	2,5996 8	1,4167 9
5	51,28 67	2,85701	0	422.12 1,63	14,3893	0,5360 19	-64,8607	0	2,6175 1	1,4056 3
5	51,71 67	3,98854	0	412.44 8,56	15,314	0,5825 86	-61,0634	0	2,6465 4	1,3869 7
5	52,23 27	5,3663	0	394.73 6,79	16,4162	0,6357 82	-54,2706	0	2,6958 5	1,3555 1
5	52,61 24	6,39965	0	374.54 3,11	17,198	0,6742 36	-46,7075	0	2,7488 7	1,3230 6
5	52,61 24	6,39965	0	374.54 3,11	17,198	0,6742 36	-46,7075	0	2,7488 7	1,3230 6
5	52,85 18	7,06333	0	356.30 5,88	17,6608	0,6988 62	-40,0323	0	2,7947 9	1,2964 5
5	53,59 48	9,18383	0	303.20 0,10	18,8939	0,7931 15	-22,5706	0	2,9082 1	1,2365 2
5	54,48 65	11,8177	0	252.83 3,84	20,0009	0,9198 45	-9,18198	0	2,9949 5	1,2004 1
5	54,94 09	13,1862	0	232.01 6,21	20,4344	0,9883 35	-4,69524	0	3,0253 4	1,1908 2
5	54,94 09	13,1862	0	232.01 6,21	20,4344	0,9883 35	-4,69524	0	3,0253 4	1,1908 2
5	55,55 64	15,0582	0	207.48 7,03	20,8924	1,0888 6	-0,145659	0	3,0569 9	1,1828 7
5	56,84 03	19,0131	0	166.14 3,05	21,4966	1,3357 4	6,20545	0	3,1003 3	1,1752 8
5	58,38 1	23,8264	0	129.53 9,79	21,9864	1,6690 5	10,8315	0	3,1675 1	1,1726
5	60,22	29,8345	0	97.631,	22,5892	2,0772	14,1954	0	3,3280	1,1728

	99			24		7			7	8
5	62,44 85	37,403	0	72.615, 89	23,3427	2,5983 3	16,5035	0	3,491	1,1743 6
5	65,11 08	46,9247	0	53.510, 78	24,2823	3,2538 6	18,0959	0	3,6570 2	1,1761 3
5	68,30 56	58,8895	0	39.065, 30	25,4518	4,0774	19,2077	0	3,8279 6	1,1778 3
5	72,13 94	73,9144	0	28.240, 16	26,905	5,1172	20,4258	0	4,0058 6	1,1777 6
5	74,40 45	83,0971	0	23.798, 99	27,7856	5,7576 7	21,2697	0	4,1011 7	1,1765 4
5	76,73 99	92,8069	0	20.172, 75	28,7107	6,4414 2	21,9304	0	4,1933 7	1,1756 6
5	82,26 05	116,464	0	14.714, 11	30,9446	7,8892	22,8929	0	4,3650 5	1,1744 6
5	85,11 79	129,043	0	12.802, 46	32,1214	8,5972 2	23,2173	0	4,4398 4	1,1741
6	60,54 33	- 6,68986	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
6	60,64 33	- 6,43254	0	427.36 6,72	2,79512	0,0163 143	-69,0953	0	2,5543 6	1,4312 8
6	60,74 33	- 6,17696	0	427.45 2,99	3,93729	0,0323 483	-69,0619	0	2,5572 2	1,4309 8
6	60,84 33	- 5,92109	0	426.56 2,41	4,80885	0,0483 761	-68,9036	0	2,5602	1,4305
6	60,94 33	- 5,66492	0	425.48 8,11	5,53857	0,0643 899	-68,726	0	2,5631 7	1,4300 2
6	61,04 33	- 5,40845	0	424.33 3,04	6,17773	0,0803 729	-68,5393	0	2,5661 8	1,4295 3
6	61,14 33	- 5,15168	0	423.13 3,27	6,75047	0,0963 492	-68,3474	0	2,5692 3	1,4290 4
6	61,24 33	- 4,89461	0	421.90 8,22	7,27304	0,1123 07	-68,1526	0	2,5723	1,4285 5
6	61,34 33	- 4,63722	0	420.65 9,47	7,75593	0,1282 35	-67,9546	0	2,5754 1	1,4280 5
6	61,44 33	- 4,37952	0	419.38 9,14	8,20598	0,1441 39	-67,7536	0	2,5785 5	1,4275 5

6	61,54 33	- 4,12151	0	418.09 7,07	8,62788	0,1600 25	-67,5493	0	2,5817 3	1,4270 5
6	61,64 33	- 3,86317	0	416.78 4,51	9,0252	0,1759 01	-67,342	0	2,5849 5	1,4265 3
6	61,74 33	- 3,60452	0	415.45 2,50	9,40099	0,1917 64	-67,1316	0	2,5882 2	1,4260 1
6	61,84 33	- 3,34553	0	414.10 0,94	9,7579	0,2076 1	-66,9181	0	2,5915 2	1,4254 9
6	61,94 33	- 3,08621	0	412.72 8,31	10,098	0,2234 34	-66,7013	0	2,5948 6	1,4249 5
6	62,04 33	- 2,82655	0	411.33 3,43	10,4228	0,2392 35	-66,4809	0	2,5982 6	1,4244 1
6	62,14 33	- 2,56656	0	409.91 6,40	10,7338	0,2550 13	-66,257	0	2,6017 7	1,4238 7
6	62,24 33	- 2,30621	0	408.47 6,48	11,0318	0,2707 76	-66,0294	0	2,6052 1	1,4233 1
6	62,34 33	- 2,04553	0	407.06 7,38	11,3177	0,2864 82	-65,8059	0	2,6086 6	1,4227 6
6	62,44 33	- 1,78452	0	405.74 2,85	11,5922	0,3020 81	-65,5946	0	2,612 4	1,4222 4
6	62,54 33	- 1,52319	0	404.52 5,79	11,8559	0,3175 52	-65,3971	0	2,6152 4	1,4217 4
6	62,66 33	- 1,20917	0	403.23 2,85	12,1591	0,3359	-65,1723	0	2,6188	1,4211
6	62,80 73	- 0,83176	0	401.95 6,42	12,5049	0,3575 5	-64,9209	0	2,6227 5	1,4202 7
6	62,98 01	- 0,37805 3	0	400.66 3,05	12,8958	0,3830 74	-64,6115	0	2,6272 3	1,4190 6
6	63,12 39	2,61721 E-12	0	399.71 7,93	13,2023	0,4039 54	-64,3326	0	2,6308 9	1,4178 2
6	63,12 39	2,61721 E-12	0	407.50 9,49	12,9967	0,4063 46	-65,7074	0	2,6311 7	1,4217 7
6	63,18 75	0,16740 9	0	407.02 5,66	13,1335	0,4152	-65,5821	0	2,6323 3	1,4212 4
6	63,43 63	0,8234	0	404.99 9,96	13,6386	0,4495 86	-64,9434	0	2,6381 8	1,4182 8
6	63,73	1,61266	0	402.20	14,2491	0,4882	-63,9131	0	2,6468	1,4132

	49			4,72		66			9	
6	64,09 32	2,56348	0	397.88 1,19	15,0016	0,5311 55	-62,1897	0	2,6603 8	1,4045 8
6	64,52 32	3,71196	0	390.50 8,87	15,9245	0,5789 62	-59,1875	0	2,6823 6	1,3897 9
6	65,03 92	5,10509	0	377.21 6,19	17,038	0,6333 45	-53,8616	0	2,7191 7	1,3647 3
6	65,65 84	6,80787	0	350.74 2,65	18,3354	0,6976 77	-43,5869	0	2,7869	1,3202 4
6	65,67 89	6,86505	0	349.51 3,31	18,3766	0,6998 26	-43,1181	0	2,7899 5	1,3183 2
6	65,67 89	6,86505	0	349.51 3,31	18,3766	0,6998 26	-43,1181	0	2,7899 5	1,3183 2
6	66,40 14	8,92198	0	300.60 6,62	19,6898	0,7862 27	-25,6916	0	2,8995 2	1,2539
6	67,29 3	11,5485	0	250.82 2,71	20,9536	0,9099 89	-11,1925	0	2,9888	1,2111 3
6	68,25 63	14,4571	0	210.04 8,94	21,9689	1,0528 5	-2,12956	0	3,0479	1,1908 2
6	68,25 63	14,4571	0	210.04 8,94	21,9689	1,0528 5	-2,12956	0	3,0479	1,1908 2
6	68,36 29	14,7824	0	206.18 1,91	22,0618	1,0694 1	-1,3956	0	3,0528 5	1,1894 7
6	69,64 68	18,7343	0	165.98 9,31	22,9214	1,2934 1	5,28272	0	3,0973 1	1,1797
6	71,18 75	23,5331	0	130.46 3,36	23,5668	1,608	10,1458	0	3,1420 9	1,1754 2
6	73,03 64	29,4898	0	98.941, 96	24,1783	1,9942 6	13,7076	0	3,3000 6	1,1746
6	75,25 5	37,0014	0	73.219, 09	24,9265	2,5112	16,2177	0	3,4670 6	1,1754 8
6	77,91 73	46,4633	0	53.751, 43	25,8608	3,1627 2	17,9227	0	3,6364 4	1,1768 9
6	81,11 21	58,3653	0	39.144, 41	27,0246	3,9821 2	19,0993	0	3,8102 8	1,1783 5
6	84,94 59	73,3228	0	28.260, 89	28,4718	5,0159 2	20,1938	0	3,9902	1,1786 9
6	87,20	82,4606	0	23.813,	29,3485	5,6540	21,0822	0	4,0864	1,1772

	89			65		8			7	9
6	89,54 64	92,1463	0	20.184, 42	30,2717	6,3358 8	21,7782	0	4,1797 9	1,1762 6
6	95,06 7	115,733	0	14.736, 51	32,4998	7,7806 3	22,7886	0	4,3531 9	1,1748 7
6	97,87 38	128,055	0	12.860, 80	33,6531	8,4751 3	23,1232	0	4,4273 7	1,1744 5
7	72,98	- 7,08998	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
7	73,08	- 6,82827	0	405.53 5,07	2,89944	0,0159 425	-65,9079	0	2,6001 9	1,4245 5
7	73,18	- 6,56813	0	405.68 2,52	4,08477	0,0316 377	-65,8904	0	2,6026 1	1,4243 3
7	73,28	- 6,30774	0	404.85 9,94	4,98971	0,0473 235	-65,7446	0	2,6052 7	1,4239
7	73,38	- 6,04708	0	403.86 5,74	5,74708	0,0630 059	-65,5806	0	2,6079 2	1,4234 7
7	73,48	- 5,78615	0	402.79 6,94	6,41066	0,0786 619	-65,4083	0	2,6106	1,4230 4
7	73,58	- 5,52496	0	401.68 6,10	7,00533	0,0943 174	-65,231	0	2,6133 1	1,4226
7	73,68	- 5,26349	0	400.55 3,66	7,5476	0,1099 67	-65,0514	0	2,6160 4	1,4221 6
7	73,78	- 5,00175	0	399.40 3,06	8,04869	0,1255 96	-64,8696	0	2,6187 9	1,4217 2
7	73,88	- 4,73973	0	398.23 2,68	8,51596	0,1412 03	-64,6849	0	2,6215 7	1,4212 8
7	73,98	- 4,47743	0	397.04 2,32	8,95415	0,1567 97	-64,4972	0	2,6243 8	1,4208 3
7	74,08	- 4,21485	0	395.83 2,99	9,36706	0,1723 83	-64,3067	0	2,6272 4	1,4203 7
7	74,18	- 3,95198	0	394.60 5,92	9,75755	0,1879 66	-64,1133	0	2,6301 3	1,4199 1
7	74,28	- 3,68882	0	393.36 1,97	10,1283	0,2035 42	-63,9174	0	2,6330 5	1,4194 5
7	74,38	- 3,42537	0	392.10 0,76	10,4816	0,2191 08	-63,7187	0	2,6360 1	1,4189 7

7	74,48	-	0	390.82	10,8191	0,2346	-63,5172	0	2,6390	1,4185
		3,16162		1,06		6			1	
7	74,58	-	0	389.52	11,1422	0,2501	-63,3124	0	2,6420	1,4180
		2,89757		1,63		98			5	1
7	74,68	-	0	388.20	11,452	0,2657	-63,1043	0	2,6451	1,4175
		2,63321		1,80		21			3	2
7	74,78	-	0	386.86	11,7497	0,2812	-62,8929	0	2,6482	1,4170
		2,36854		1,19		32			6	2
7	74,88	-	0	385.50	12,0356	0,2967	-62,6792	0	2,6514	1,4165
		2,10355		8,29		31			2	2
7	74,98	-	0	384.26	12,3107	0,3121	-62,4807	0	2,6544	1,4160
		1,83829		8,40					2	4
7	75,1	-	0	382.96	12,6271	0,3303	-62,2668	0	2,6577	1,4155
		1,51961		0,81		33			7	
7	75,24	-	0	381.61	12,9883	0,3519	-62,0264	0	2,6615	1,4148
	4	1,13666		8,75		12				2
7	75,41	-	0	380.31	13,3973	0,3773	-61,7501	0	2,6656	1,4138
	68	0,67640		1,35		2				6
		8								
7	75,62	-	0	378.99	13,8553	0,4072	-61,3958	0	2,6703	1,4124
	42	0,12310		0,86		22			2	
		9								
7	75,67	4,64037	0	378.71	13,9525	0,4137	-61,31	0	2,6713	1,4120
	03	E-15		4,96		94			7	1
7	75,67	4,64037	0	386.16	13,7403	0,4160	-62,623	0	2,6714	1,4156
	03	E-15		2,80		37				8
7	75,87	0,54212	0	384.72	14,1653	0,4438	-62,2131	0	2,6752	1,4139
	3	4		5,90		67			2	1
7	76,17	1,34226	0	382.36	14,7701	0,4833	-61,3763	0	2,6822	1,4099
	16			6,55		58			8	2
7	76,52	2,30538	0	378.82	15,5165	0,5271	-59,9644	0	2,6931	1,4029
	99			6,51		83			4	6
7	76,95	3,46723	0	372.81	16,4352	0,5760	-57,4586	0	2,7109	1,3906
	99			4,58		06				5
7	77,47	4,87353	0	362.08	17,5517	0,6313	-53,0129	0	2,7404	1,3695
	59			5,11		15			5	5
7	78,09	6,58554	0	341.62	18,8731	0,6963	-44,7837	0	2,7924	1,3330
	51			2,59		26			3	9

7	78,32 99	7,24469	0	329.78 5,37	19,3545	0,7213 07	-40,1342	0	2,8212 3	1,3138 1
7	78,32 99	7,24469	0	329.78 5,37	19,3545	0,7213 07	-40,1342	0	2,8212 3	1,3138 1
7	78,83 81	8,69713	0	297.44 0,33	20,3108	0,7814 3	-28,1189	0	2,8939 4	1,2683 9
7	79,72 97	11,3199	0	248.30 1,15	21,6871	0,9038 51	-12,7816	0	2,9846 8	1,2202 3
7	80,79 96	14,5513	0	204.01 4,26	22,9325	1,0604 1	-2,33817	0	3,0501 1	1,1951 3
7	81,21 03	15,8078	0	190.33 4,55	23,3253	1,1219 9	0,134624	0	3,0673 6	1,1908 2
7	81,21 03	15,8078	0	190.33 4,55	23,3253	1,1219 9	0,134624	0	3,0673 6	1,1908 2
7	82,08 35	18,4989	0	165.25 6,36	24,0237	1,2649 4	4,5446	0	3,0952 7	1,1835 8
7	83,62 42	23,2938	0	130.66 5,08	24,878	1,5603 6	9,59898	0	3,1260 5	1,1779 4
7	85,47 31	29,2059	0	100.06 8,38	25,6007	1,9175 4	13,2725	0	3,2734 6	1,1761 6
7	87,69 17	36,6614	0	73.790, 89	26,3523	2,4258 4	15,9633	0	3,4430 9	1,1764 6
7	90,35 4	46,0642	0	53.918, 43	27,2806	3,0734 6	17,7764	0	3,6161 2	1,1775 5
7	93,54 88	57,9053	0	39.140, 26	28,4387	3,8893 4	19,0119	0	3,7922 5	1,1788 1
7	97,38 26	72,8006	0	28.203, 55	29,8804	4,9168 5	20,0128	0	3,9746 6	1,1794 6
7	99,60 1	81,7239	0	23.832, 03	30,7369	5,5399 5	20,9238	0	4,0701 2	1,1779 2
7	101,9 83	91,5596	0	20.125, 60	31,6747	6,2322 9	21,6639	0	4,1662 8	1,1767 6
7	107,5 04	115,078	0	14.694, 72	33,8971	7,6753	22,7125	0	4,3415 6	1,1752
7	110,2 07	126,912	0	12.890, 73	35,0052	8,3432 7	23,0474	0	4,4137 5	1,1747 4
8	85,14	-7,4311	0	1,00	0,00177	0,1512	24,6246	0	3,1802	1,1739

	84				245	76			3	
8	85,24	-	0	387.75	2,98597	0,0156	-63,3218	0	2,6359	1,4193
	84	7,16594		6,56		552			9	1
8	85,34	-	0	387.86	4,2062	0,0310	-63,3037	0	2,6382	1,4191
	84	6,90223		9,30		954			7	1
8	85,44	-	0	387.13	5,13842	0,0465	-63,1731	0	2,6406	1,4187
	84	6,63829		0,20		245				4
8	85,54	-6,3741	0	386.18	5,92001	0,0619	-63,0176	0	2,6430	1,4183
	84			6,14		341			5	4
8	85,64	-	0	385.17	6,60227	0,0773	-62,8554	0	2,6454	1,4179
	84	6,10968		8,16		562			9	4
8	85,74	-5,845	0	384.14	7,2149	0,0927	-62,6906	0	2,6479	1,4175
	84			2,23		66			4	5
8	85,84	-	0	383.08	7,77492	0,1081	-62,5227	0	2,6504	1,4171
	84	5,58009		0,96		52			2	5
8	85,94	-	0	381.99	8,2919	0,1235	-62,3515	0	2,6529	1,4167
	84	5,31492		6,48		33			3	5
8	86,04	-5,0495	0	380.89	8,77292	0,1389	-62,1778	0	2,6554	1,4163
	84			3,90		16			7	4
8	86,14	-	0	379.77	9,2237	0,1542	-62,0021	0	2,6580	1,4159
	84	4,78383		6,95		98			3	3
8	86,24	-	0	378.64	9,64873	0,1696	-61,8244	0	2,6606	1,4155
	84	4,51789		6,40		72			1	2
8	86,34	-4,2517	0	377.50	10,0514	0,1850	-61,6444	0	2,6632	1,4151
	84			1,27		37			2	1
8	86,44	-	0	376.34	10,4343	0,2003	-61,462	0	2,6658	1,4146
	84	3,98525		0,22		86			6	8
8	86,54	-	0	375.16	10,7994	0,2157	-61,2769	0	2,6685	1,4142
	84	3,71853		1,99		25			4	6
8	86,64	-	0	373.96	11,1483	0,2310	-61,0889	0	2,6712	1,4138
	84	3,45154		6,21		54			5	2
8	86,74	-	0	372.75	11,482	0,2463	-60,898	0	2,674	1,4133
	84	3,18427		2,32		86				8
8	86,84	-	0	371.52	11,8019	0,2617	-60,7042	0	2,6768	1,4129
	84	2,91674		0,11		13				4
8	86,94	-	0	370.26	12,1088	0,2770	-60,5071	0	2,6796	1,4124
	84	2,64891		8,20		45			3	9
8	87,04	-	0	368.99	12,4038	0,2923	-60,3061	0	2,6825	1,4120

	84	2,38081		1,66		73			2	3
8	87,14 84	- 2,11241	0	367.71 7,52	12,6874	0,3076 74	-60,1051	0	2,6854 3	1,4115 6
8	87,26 84	-1,79 0	0	366.32 9,37	13,014	0,3258 51	-59,8855	0	2,6887 3	1,4110 6
8	87,41 24	-1,4026 0	0	364.89 4,46	13,3875	0,3473 33	-59,6503	0	2,6924 1	1,4104 8
8	87,58 52	- 0,93697	0	363.49 2,66	13,8111	0,3726 01	-59,3885	0	2,6964 1	1,4097 1
8	87,79 25	- 0,37733 2	0	362.10 1,16	14,2861	0,4022 87	-59,0629	0	2,7009 7	1,4085 1
8	87,93 21	2,65169 E-12	0	361.25 6,14	14,587	0,4219 42	-58,8193	0	2,7040 3	1,4074 8
8	87,93 21	2,65169 E-12	0	368.43 9,34	14,3687	0,4240 7	-60,0845	0	2,7039 2	1,4109 3
8	88,04 14	0,29547 6	0	367.66 5,55	14,6036	0,4388 41	-59,8858	0	2,7058 6	1,4101 4
8	88,34	1,10469	0	365.37 8,04	15,2096	0,4786 19	-59,1525	0	2,7123 1	1,4068 5
8	88,69 83	2,07846	0	362.10 9,51	15,9506	0,5229 99	-57,9172	0	2,7219 8	1,4009 5
8	89,12 83	3,25233	0	356.72 9,51	16,8639	0,5724 1	-55,7189	0	2,7375	1,3903 4
8	89,64 42	4,6716	0	347.31 7,16	17,9783	0,6282 99	-51,8055	0	2,7629 6	1,3718 6
8	90,26 34	6,39515	0	329.83 6,34	19,3116	0,6929 29	-44,7473	0	2,8069 9	1,3404 9
8	90,67 27	7,5523	0	311.66 7,37	20,1597	0,7364 96	-37,5812	0	2,8501 3	1,3108 3
8	90,67 27	7,5523	0	311.66 7,37	20,1597	0,7364 96	-37,5812	0	2,8501 3	1,3108 3
8	91,00 64	8,51115	0	291.78 6,45	20,8043	0,7753 34	-29,8676	0	2,8948 5	1,2810 6
8	91,89 8	11,134	0	243.96 4,27	22,2713	0,8959 1	-13,9617	0	2,9849 8	1,2285
8	92,96 8	14,3648	0	200.34 5,48	23,6313	1,0505 2	-2,99788	0	3,0505 3	1,2003 5

8	93,80 89	16,9448	0	174.25 3,58	24,4917	1,1762 3	2,0021	0	3,0827 4	1,1908 2
8	93,80 89	16,9448	0	174.25 3,58	24,4917	1,1762 3	2,0021	0	3,0827 4	1,1908 2
8	94,25 19	18,3139	0	162.50 7,48	24,8793	1,2467 6	4,09366	0	3,0954 5	1,1872 7
8	95,79 26	23,1089	0	129.05 8,76	25,928	1,5225 8	9,2549	0	3,1260 6	1,1805 1
8	97,64 14	28,9968	0	99.469, 80	26,8085	1,8620 9	12,9979	0	3,2545	1,1778 8
8	99,86	36,405	0	73.499, 83	27,6094	2,3513 5	15,7796	0	3,4218	1,1775 7
8	102,5 22	45,7559	0	53.442, 82	28,5311	2,9962 5	17,68	0	3,5979 6	1,1783 2
8	105,7 17	57,5444	0	38.664, 85	29,6847	3,8081 5	18,9587	0	3,7769 4	1,1793 4
8	109,5 51	72,3861	0	27.801, 30	31,1216	4,8307 9	19,8949	0	3,961	1,1801 4
8	111,5 5	80,3907	0	23.871, 40	31,8904	5,3894 7	20,7523	0	4,0482 4	1,1786 1
8	114,1 51	91,091	0	19.807, 01	32,9112	6,1428 5	21,5937	0	4,1545 1	1,1772
8	119,6 72	114,565	0	14.423, 17	35,1298	7,5977	22,6716	0	4,3329 7	1,1755
8	122,0 27	124,844	0	12.864, 45	36,0929	8,1793 5	22,9728	0	4,3965 6	1,1750 5
9	86,87 79	- 7,47838	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
9	86,97 79	- 7,21277	0	385.35 0,42	2,99797	0,0156 179	-62,9723	0	2,6407 4	1,4186 2
9	87,07 79	- 6,94857	0	385.38 5,44	4,22217	0,0310 248	-62,9422	0	2,6431 8	1,4183 9
9	87,17 79	- 6,68413	0	384.56 8,76	5,15723	0,0464 171	-62,7995	0	2,6456 8	1,4179 9
9	87,27 79	- 6,41943	0	383.54 7,72	5,94113	0,0617 869	-62,632	0	2,6482 9	1,4175 7
9	87,37	-	0	382.46	6,62537	0,0771	-62,4579	0	2,6509	1,4171

	79	6,15447		2,75		662				5
9	87,47 79	- 5,88925	0	381.34 9,53	7,23977	0,0925 302	-62,2811	0	2,6535 1	1,4167 2
9	87,57 79	- 5,62377	0	380.21 0,69	7,80138	0,1078 68	-62,1011	0	2,6561 5	1,4163
9	87,67 79	- 5,35802	0	379.04 8,64	8,31978	0,1231 98	-61,9179	0	2,6588 2	1,4158 7
9	87,77 79	- 5,09201	0	377.86 8,66	8,8021	0,1385 28	-61,7322	0	2,6615 2	1,4154 4
9	87,87 79	- 4,82572	0	376.67 4,57	9,25407	0,1538 55	-61,5445	0	2,6642 4	1,4150 1
9	87,97 79	- 4,55916	0	375.46 7,13	9,68022	0,1691 72	-61,3549	0	2,6669 8	1,4145 7
9	88,07 79	- 4,29232	0	374.24 5,40	10,0839	0,1844 76	-61,1631	0	2,6697 4	1,4141 3
9	88,17 79	- 4,02521	0	373.00 8,07	10,4678	0,1997 63	-60,9688	0	2,6725 4	1,4136 8
9	88,27 79	- 3,75781	0	371.75 3,95	10,8338	0,2150 37	-60,7719	0	2,6753 7	1,4132 3
9	88,37 79	- 3,49013	0	370.48 2,73	11,1836	0,2303 01	-60,5723	0	2,6782 3	1,4127 7
9	88,47 79	- 3,22216	0	369.19 3,92	11,5181	0,2455 65	-60,3698	0	2,6811 3	1,4123 1
9	88,57 79	-2,9539	0	367.88 7,35	11,8388	0,2608 23	-60,1644	0	2,6840 7	1,4118 4
9	88,67 79	- 2,68535	0	366.56 2,84	12,1464	0,2760 82	-59,9562	0	2,6870 4	1,4113 7
9	88,77 79	- 2,41649	0	365.21 9,93	12,4422	0,2913 38	-59,745	0	2,6900 5	1,4108 9
9	88,87 79	- 2,14734	0	363.88 6,82	12,7267	0,3065 66	-59,5352	0	2,6930 6	1,4104 1
9	88,99 79	-1,824	0	362.41 4,95	13,0544	0,3246 79	-59,3035	0	2,6964 9	1,4098 9
9	89,14 19	- 1,43547	0	360.87 1,03	13,4292	0,3461 18	-59,0526	0	2,7003 1	1,4092 8
9	89,31 47	- 0,96847 2	0	359.35 5,18	13,8543	0,3713 47	-58,7758	0	2,7044 5	1,4084 9

9	89,52 2	- 0,40716	0	357.85 4,72	14,3313	0,4009 86	-58,4379	0	2,7091 1	1,4072 9
9	89,67 22	2,69695 E-12	0	356.88 5,02	14,6559	0,4220 85	-58,169	0	2,7124 3	1,4061 8
9	89,67 22	2,69695 E-12	0	364.08 1,10	14,435	0,4241 98	-59,4365	0	2,7122 9	1,4096 2
9	89,77 09	0,26767 1	0	363.35 3,06	14,6483	0,4374 84	-59,2574	0	2,7140 4	1,4089 3
9	90,06 95	1,07956	0	360.38 2,00	15,2531	0,4768 27	-58,4176	0	2,7221 7	1,4054 2
9	90,42 78	2,05764	0	355.21 7,32	15,989	0,5198 43	-56,8718	0	2,7366 9	1,3988 3
9	90,85 78	3,23901	0	347.16 7,32	16,8954	0,5673 59	-54,2206	0	2,7586 3	1,3872
9	91,37 37	4,67041	0	334.68 5,39	17,9986	0,6214 05	-49,7674	0	2,7906 2	1,3676 1
9	91,99 29	6,4126	0	314.42 6,96	19,3094	0,6863 28	-42,0971	0	2,8385 6	1,3348 6
9	92,39 16	7,5523	0	296.50 3,90	20,1188	0,7308 26	-35,0928	0	2,8784 4	1,3064 4
9	92,39 16	7,5523	0	296.50 3,90	20,1188	0,7308 26	-35,0928	0	2,8784 4	1,3064 4
9	92,73 59	8,55078	0	276.69 8,27	20,7707	0,7730 44	-27,2629	0	2,9212 6	1,2765 8
9	93,62 75	11,1938	0	231.30 1,01	22,2109	0,8962 87	-12,0714	0	3,0035 6	1,2269 6
9	94,69 75	14,4419	0	190.14 0,78	23,5634	1,0519	-1,8033	0	3,0628 8	1,2008 5
9	95,65 03	17,3771	0	162.63 9,23	24,5516	1,1941 3	3,45467	0	3,0950 9	1,1908 2
9	95,65 03	17,3771	0	162.63 9,23	24,5516	1,1941 3	3,45467	0	3,0950 9	1,1908 2
9	95,98 14	18,4037	0	154.48 9,03	24,8496	1,2463 3	4,89269	0	3,1034 6	1,1883 9
9	97,52 21	23,2091	0	122.93 6,42	25,9631	1,5171 4	9,76997	0	3,1310 4	1,1818 2
9	99,37 09	29,0992	0	94.914, 15	26,9222	1,8496 9	13,3264	0	3,2532 6	1,1790 8

9	101,5 9	36,4999	0	70.158, 41	27,7617	2,3307 9	15,9894	0	3,4179 3	1,1785 4
9	104,2 52	45,8413	0	50.858, 92	28,6775	2,9762 7	17,8288	0	3,5943 7	1,1790 7
9	107,4 47	57,6191	0	36.705, 70	29,8295	3,7876 8	19,0638	0	3,7736 7	1,1799 2
9	111,2 8	72,449	0	26.339, 76	31,2654	4,8110 1	20,0792	0	3,9581 2	1,1801 8
9	112,4 82	77,2382	0	23.909, 73	31,7258	5,1451 7	20,6031	0	4,0114 7	1,1792 1
9	115,8 81	91,1305	0	18.715, 06	33,053	6,1182 6	21,7185	0	4,1515 8	1,1772 5
9	121,4 02	114,576	0	13.567, 90	35,2691	7,5785 1	22,7617	0	4,3310 2	1,1755 5
9	122,6 38	119,953	0	12.730, 52	35,7736	7,8839 6	22,9212	0	4,3649 4	1,1753
10	86,87 89	- 7,47838	0	0,99	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
10	86,97 89	- 7,21277	0	382.14 7,12	2,99797	0,0156 179	-62,9723	0	2,6407 4	1,4186 2
10	87,07 89	- 6,94857	0	382.18 1,85	4,22217	0,0310 248	-62,9422	0	2,6431 8	1,4183 9
10	87,17 89	- 6,68413	0	381.37 1,96	5,15723	0,0464 171	-62,7995	0	2,6456 8	1,4179 9
10	87,27 89	- 6,41943	0	380.35 9,41	5,94113	0,0617 869	-62,632	0	2,6482 9	1,4175 7
10	87,37 89	- 6,15447	0	379.28 3,46	6,62537	0,0771 662	-62,4579	0	2,6509	1,4171 5
10	87,47 89	- 5,88925	0	378.17 9,49	7,23977	0,0925 302	-62,2811	0	2,6535 1	1,4167 2
10	87,57 89	- 5,62377	0	377.05 0,12	7,80138	0,1078 68	-62,1011	0	2,6561 5	1,4163
10	87,67 89	- 5,35802	0	375.89 7,73	8,31978	0,1231 98	-61,9179	0	2,6588 2	1,4158 7
10	87,77 89	- 5,09201	0	374.72 7,56	8,8021	0,1385 28	-61,7322	0	2,6615 2	1,4154 4
10	87,87	-	0	373.54	9,25407	0,1538	-61,5445	0	2,6642	1,4150

	89	4,82572		3,39		55			4	1
10	87,97	-	0	372.34	9,68022	0,1691	-61,3549	0	2,6669	1,4145
	89	4,55916		5,99		72			8	7
10	88,07	-	0	371.13	10,0839	0,1844	-61,1631	0	2,6697	1,4141
	89	4,29232		4,41		76			4	3
10	88,17	-	0	369.90	10,4678	0,1997	-60,9688	0	2,6725	1,4136
	89	4,02521		7,37		63			4	8
10	88,27	-	0	368.66	10,8338	0,2150	-60,7719	0	2,6753	1,4132
	89	3,75781		3,68		37			7	3
10	88,37	-	0	367.40	11,1836	0,2303	-60,5723	0	2,6782	1,4127
	89	3,49013		3,03		01			3	7
10	88,47	-	0	366.12	11,5181	0,2455	-60,3698	0	2,6811	1,4123
	89	3,22216		4,93		65			3	1
10	88,57	-2,9539	0	364.82	11,8388	0,2608	-60,1644	0	2,6840	1,4118
	89			9,22		23			7	4
10	88,67	-	0	363.51	12,1464	0,2760	-59,9562	0	2,6870	1,4113
	89	2,68535		5,72		82			4	7
10	88,77	-	0	362.18	12,4422	0,2913	-59,745	0	2,6900	1,4108
	89	2,41649		3,97		38			5	9
10	88,87	-	0	360.86	12,7267	0,3065	-59,5352	0	2,6930	1,4104
	89	2,14734		1,94		66			6	1
10	88,99	-1,824	0	359.40	13,0544	0,3246	-59,3035	0	2,6964	1,4098
	89			2,30		79			9	9
10	89,14	-	0	357.87	13,4292	0,3461	-59,0526	0	2,7003	1,4092
	29	1,43547		1,22		18			1	8
10	89,31	-	0	356.36	13,8543	0,3713	-58,7758	0	2,7044	1,4084
	57	0,96847		7,97		47			5	9
		2								
10	89,52	-	0	354.87	14,3313	0,4009	-58,4379	0	2,7091	1,4072
	3	0,40716		9,98		86			1	9
10	89,67	2,69695	0	353.91	14,6559	0,4220	-58,169	0	2,7124	1,4061
	32	E-12		8,35		85			3	8
10	89,67	2,69695	0	361.05	14,435	0,4241	-59,4365	0	2,7122	1,4096
	32	E-12		4,61		98			9	2
10	89,77	0,26767	0	360.33	14,6483	0,4374	-59,2574	0	2,7140	1,4089
	19	1		2,62		84			4	3
10	90,07	1,07956	0	357.38	15,2531	0,4768	-58,4176	0	2,7221	1,4054
	05			6,25		27			7	2

10	90,42 88	2,05764	0	352.26 4,51	15,989	0,5198 43	-56,8718	0	2,7366 9	1,3988 3
10	90,85 88	3,23901	0	344.28 1,43	16,8954	0,5673 59	-54,2206	0	2,7586 3	1,3872
10	91,37 47	4,67041	0	331.90 3,26	17,9986	0,6214 05	-49,7674	0	2,7906 2	1,3676 1
10	91,99 39	6,4126	0	311.81 3,23	19,3094	0,6863 28	-42,0971	0	2,8385 6	1,3348 6
10	92,39 26	7,5523	0	294.03 9,15	20,1188	0,7308 26	-35,0928	0	2,8784 4	1,3064 4
10	92,39 26	7,5523	0	294.03 9,15	20,1188	0,7308 26	-35,0928	0	2,8784 4	1,3064 4
10	92,73 69	8,55078	0	274.43 6,99	20,7707	0,7730 44	-27,2629	0	2,9212 6	1,2765 8
10	93,62 85	11,1938	0	229.37 4,74	22,2109	0,8962 87	-12,0714	0	3,0035 6	1,2269 6
10	94,69 85	14,4419	0	188.47 3,71	23,5634	1,0519	-1,8033	0	3,0628 8	1,2008 5
10	95,65 13	17,3771	0	161.21 2,74	24,5516	1,1941 3	3,45467	0	3,0950 9	1,1908 2
10	95,65 13	17,3771	0	161.21 2,74	24,5516	1,1941 3	3,45467	0	3,0950 9	1,1908 2
10	95,98 24	18,4037	0	153.10 2,21	24,8496	1,2463 3	4,89269	0	3,1034 6	1,1883 9
10	97,52 31	23,2091	0	121.81 6,08	25,9631	1,5171 4	9,76997	0	3,1310 4	1,1818 2
10	99,37 19	29,0992	0	93.978, 05	26,9222	1,8496 9	13,3264	0	3,2532 6	1,1790 8
10	101,5 91	36,4999	0	69.204, 50	27,7617	2,3307 9	15,9894	0	3,4179 3	1,1785 4
10	104,2 53	45,8413	0	49.836, 97	28,6775	2,9762 7	17,8288	0	3,5943 7	1,1790 7
10	107,4 48	57,6191	0	35.730, 48	29,8295	3,7876 8	19,0638	0	3,7736 7	1,1799 2
10	111,2 81	72,449	0	25.482, 99	31,2654	4,8110 1	20,0792	0	3,9581 2	1,1801 8
10	112,4 83	77,2382	0	23.260, 99	31,7258	5,1451 7	20,6031	0	4,0114 7	1,1792 1

10	115,882	91,1305	0	18.020,74	33,053	6,11826	21,7185	0	4,15158	1,17725
10	121,403	114,576	0	13.113,79	35,2691	7,57851	22,7617	0	4,33102	1,17555
10	122,639	119,953	0	12.337,74	35,7736	7,88396	22,9212	0	4,36494	1,17534
11	91,5976	-7,5523	0	1,00	0,00177245	0,151276	24,6246	0	3,18023	1,1739
11	91,6976	-7,27694	0	330.957,76	3,04864	0,0148599	-55,1017	0	2,7421	1,40379
11	91,7976	-7,00255	0	330.275,82	4,29399	0,0295176	-54,9768	0	2,74555	1,40344
11	91,8976	-6,72783	0	328.875,27	5,24039	0,0441855	-54,7491	0	2,74893	1,40291
11	91,9976	-6,45276	0	327.308,98	6,03287	0,0588183	-54,5003	0	2,75237	1,40236
11	92,0976	-6,17736	0	325.693,51	6,7247	0,0734364	-54,2464	0	2,75579	1,40182
11	92,1976	-5,90161	0	324.075,33	7,3429	0,0880622	-53,9936	0	2,75915	1,40128
11	92,2976	-5,62553	0	322.454,59	7,90582	0,102678	-53,7412	0	2,76248	1,40074
11	92,3976	-5,34911	0	320.824,55	8,42497	0,117275	-53,4876	0	2,76581	1,40021
11	92,4976	-5,07236	0	319.183,88	8,90799	0,131853	-53,2325	0	2,76916	1,39968
11	92,5976	-4,79528	0	317.538,50	9,35957	0,14643	-52,9769	0	2,7725	1,39914
11	92,6976	-4,51787	0	315.893,66	9,78395	0,16101	-52,7216	0	2,77582	1,39862
11	92,7976	-4,24012	0	314.248,95	10,1845	0,175593	-52,4664	0	2,77913	1,39809
11	92,8976	-3,96204	0	312.602,44	10,5641	0,190175	-52,211	0	2,78243	1,39756
11	92,9976	-3,68363	0	310.950,31	10,925	0,204752	-51,9548	0	2,78574	1,39703
11	93,09	-	0	309.29	11,2691	0,2193	-51,6972	0	2,7890	1,3965

	76	3,40489	0,15	24	6	1				
11	93,19 76	- 3,12582	0	307.62 4,65	11,5979 0,2338 9	-51,4387	0	2,7923 8	1,3959 8	
11	93,29 76	- 2,84642	0	305.95 6,37	11,9126 0,2484 53	-51,1799	0	2,7956 9	1,3954 5	
11	93,39 76	- 2,56668	0	304.28 0,36	12,2142 0,2630 14	-50,9198	0	2,7990 2	1,3949 2	
11	93,49 76	- 2,28661	0	302.59 3,88	12,5034 0,2775 79	-50,658	0	2,8023 6	1,3943 9	
11	93,59 76	- 2,00621	0	300.89 6,29	12,7808 0,2921 59	-50,3912	0	2,8057 1	1,3938 3	
11	93,71 76	- 1,66928	0	298.84 5,13	13,0995 0,3096 92	-50,0456	0	2,8097 6	1,3930 2	
11	93,86 16	- 1,26433	0	296.38 1,03	13,4623 0,3307 93	-49,5917	0	2,8146 3	1,3918	
11	94,03 44	- 0,77750 3	0	293.57 7,33	13,8718 0,3559 95	-49,0204	0	2,8202 8	1,3900 8	
11	94,24 18	- 0,19204 7	0	290.48 4,33	14,3286 0,3859 23	-48,3102	0	2,8267 3	1,3876 9	
11	94,49 06	0,51231 5	0	287.14 7,65	14,8309 0,4212 03	-47,4424	0	2,8340 5	1,3845 1	
11	94,78 92	1,35998	0	283.33 6,48	15,3949 0,4622 54	-46,3075	0	2,8428 4	1,3800 3	
11	95,14 75	2,3807	0	278.50 3,61	16,0826 0,5085 14	-44,6475	0	2,8542 7	1,3730 7	
11	95,57 75	3,61136	0	271.64 5,09	16,9381 0,5604 88	-41,9988	0	2,8702 8	1,3616 3	
11	96,09 35	5,09829	0	261.04 0,77	17,9768 0,6205 8	-37,6074	0	2,8940 1	1,3427 5	
11	96,71 27	6,90164	0	243.06 3,98	19,1969 0,6938 92	-29,9253	0	2,9319 5	1,3109 6	
11	96,93 38	7,5523	0	234.26 0,05	19,6073 0,7217 42	-26,1656	0	2,9499 3	1,2960 8	
11	96,93 38	7,5523	0	234.26 0,05	19,6073 0,7217 42	-26,1656	0	2,9499 3	1,2960 8	
11	97,45	9,10497	0	209.16	20,5379 0,7915	-16,0147	0	2,9989	1,2586	

	57			3,99		49			1	6
11	98,34 73	11,8057	0	174.01 8,29	21,9014	0,9166	-4,72303	0	3,0562 1	1,2232 4
11	99,41 72	15,0996	0	142.80 1,36	23,2808	1,0688 9	2,68482	0	3,0972 7	1,2047
11	100,7 01	19,096	0	115.98 0,53	24,7253	1,2552 2	7,98296	0	3,1256 3	1,1936 7
11	101,2 76	20,8949	0	106.58 7,84	25,321	1,3391 4	9,60156	0	3,1341 1	1,1908 2
11	101,2 76	20,8949	0	106.58 7,84	25,321	1,3391 4	9,60156	0	3,1341 1	1,1908 2
11	102,2 42	23,9275	0	93.104, 42	26,2291	1,4881 3	11,7312	0	3,1448 6	1,1875 4
11	104,0 91	29,8086	0	72.667, 95	27,6446	1,7765 8	14,5597	0	3,2358 3	1,1841 8
11	106,3 09	37,1457	0	54.444, 42	28,9065	2,1831 3	16,7356	0	3,3791 9	1,1825 9
11	108,9 72	46,3748	0	39.067, 53	29,9281	2,7953 5	18,3573	0	3,5534 2	1,1821 2
11	112,1 66	58,0308	0	27.693, 41	31,0521	3,6016 6	19,4576	0	3,7385	1,1822
11	113,8 78	64,5071	0	23.558, 79	31,6788	4,0481 8	19,8395	0	3,8265 4	1,1823 2
11	116	72,7398	0	19.589, 03	32,4737	4,6229 1	20,7944	0	3,9286 8	1,1803 5
11	120,6 01	91,275	0	13.888, 27	34,2474	5,9163 2	22,2215	0	4,1251 5	1,1774 4
11	122,7 43	100,198	0	12.099, 23	35,0942	6,5120 5	22,6459	0	4,2040 3	1,1766 3
12	100,4 38	-7,5523	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
12	100,5 38	- 7,26461	0	253.45 1,98	3,11434	0,0139 636	-44,025	0	2,8687 6	1,3854 7
12	100,6 38	- 6,97764	0	253.21 7,69	4,38427	0,0278 041	-43,9975	0	2,8706 1	1,3854 6
12	100,7 38	- 6,69049	0	252.39 8,27	5,3497	0,0416 584	-43,8683	0	2,8724 4	1,3852

12	100,8 38	- 6,40315	0	251.43 7,62	6,15376	0,0555 428	-43,7181	0	2,8743 3	1,3849 1
12	100,9 38	- 6,11562	0	250.42 5,50	6,85473	0,0694 351	-43,5608	0	2,8762 4	1,3846 1
12	101,0 38	-5,8279	0	249.38 1,02	7,48194	0,0833 324	-43,3992	0	2,8781 8	1,3843
12	101,1 38	- 5,53998	0	248.31 3,20	8,0517	0,0972 465	-43,2342	0	2,8801 3	1,3839 9
12	101,2 38	- 5,25187	0	247.22 7,67	8,57583	0,1111 73	-43,0668	0	2,8821 1	1,3836 7
12	101,3 38	- 4,96356	0	246.12 8,37	9,06154	0,1251 24	-42,8975	0	2,8841 1	1,3833 5
12	101,4 38	- 4,67505	0	245.01 7,28	9,51469	0,1390 98	-42,7264	0	2,8861 2	1,3830 3
12	101,5 38	- 4,38634	0	243.89 5,45	9,93959	0,1531	-42,5538	0	2,8881 4	1,3827 1
12	101,6 38	- 4,09742	0	242.76 2,95	10,3398	0,1671 27	-42,3796	0	2,8901 8	1,3823 9
12	101,7 38	-3,8083	0	241.61 9,29	10,7182	0,1811 76	-42,2037	0	2,8922 3	1,3820 6
12	101,8 38	- 3,51897	0	240.46 3,96	11,077	0,1952 51	-42,026	0	2,8943 1	1,3817 3
12	101,9 38	- 3,22944	0	239.29 7,30	11,4175	0,2093 61	-41,8465	0	2,8964	1,3814
12	102,0 38	- 2,93969	0	238.11 8,54	11,7415	0,2235 04	-41,6652	0	2,8985 1	1,3810 7
12	102,1 38	- 2,64973	0	236.92 6,65	12,0503	0,2376 78	-41,4817	0	2,9006 5	1,3807 3
12	102,2 38	- 2,35956	0	235.72 0,56	12,3455	0,2518 71	-41,2961	0	2,9028 1	1,3803 9
12	102,3 38	- 2,06917	0	234.49 9,62	12,6279	0,2660 88	-41,1071	0	2,9049 9	1,3800 3
12	102,4 38	- 1,77856	0	233.26 3,19	12,8982	0,2803 37	-40,9139	0	2,9072	1,3796 7
12	102,5 58	- 1,42953	0	231.75 7,81	13,208	0,2974 81	-40,6637	0	2,9098 9	1,3791 3
12	102,7 02	- 1,01027	0	229.91 9,56	13,5593	0,3182 23	-40,2855	0	2,9131 8	1,3780 5

12	102,875	-0,506531	0	227.667,73	13,9539	0,343367	-39,7284	0	2,9172	1,37617
12	103,082	0,0988691	0	224.953,27	14,3908	0,373847	-38,9368	0	2,92207	1,37321
12	103,331	0,826613	0	221.897,82	14,8679	0,410265	-37,9341	0	2,92776	1,36924
12	103,629	1,70181	0	218.435,80	15,4047	0,452821	-36,6631	0	2,93451	1,36401
12	103,988	2,75485	0	214.130,33	16,0606	0,501038	-34,8887	0	2,94324	1,35646
12	104,418	4,02302	0	208.072,14	16,8766	0,555693	-32,1423	0	2,95561	1,34462
12	104,934	5,55275	0	198.643,59	17,8681	0,619562	-27,6566	0	2,9744	1,32553
12	105,553	7,40379	0	181.789,15	19,0333	0,698514	-19,6449	0	3,00684	1,29294
12	105,602	7,5523	0	179.914,24	19,1233	0,705124	-18,7708	0	3,01043	1,28951
12	105,602	7,5523	0	179.914,24	19,1233	0,705124	-18,7708	0	3,01043	1,28951
12	106,296	9,65778	0	153.308,96	20,3051	0,80193	-7,70629	0	3,05768	1,24906
12	107,188	12,4018	0	127.054,83	21,638	0,926246	0,421063	0	3,09631	1,22381
12	108,257	15,7301	0	104.018,97	23,0657	1,077	6,3015	0	3,12396	1,20783
12	109,541	19,7544	0	84.303,54	24,6204	1,25842	10,4485	0	3,14309	1,19813
12	111,082	24,6077	0	67.745,00	26,3625	1,4745	13,4281	0	3,15606	1,19216
12	111,617	26,2972	0	63.220,21	26,95	1,54875	14,1729	0	3,15913	1,19082
12	111,617	26,2972	0	63.220,21	26,95	1,54875	14,1729	0	3,15913	1,19082
12	112,931	30,4891	0	53.631,45	28,2754	1,71687	15,6516	0	3,2208	1,18841
12	115,1	37,7735	0	41.021,	30,1392	2,0436	17,4055	0	3,3394	1,1860

	5			76		2			5	3
12	117,8 12	46,8611	0	30.092, 72	31,8214	2,5343 4	18,7626	0	3,4879 8	1,1846 7
12	119,8 79	54,1971	0	23.893, 71	32,7005	3,0100 9	19,4737	0	3,6098 7	1,1841 9
12	121,0 07	58,3135	0	21.204, 91	33,1016	3,2951	19,7682	0	3,6752 8	1,1840 4
12	124,8 4	72,7966	0	14.856, 90	34,5032	4,3039 4	21,3948	0	3,8748 6	1,1804 1
12	127,7 33	84,1962	0	11.789, 30	35,5966	5,0993 8	22,2788	0	4,0068 2	1,1783 5
13	133,5 14	-7,5523	0	1,00	0,00177 245	0,1512 76	24,6246	0	3,1802 3	1,1739
13	133,6 14	- 7,24821	0	129.74 4,12	3,20132	0,0128 37	-26,8135	0	3,0373 6	1,3624 3
13	133,7 14	- 6,94443	0	129.59 3,67	4,5095	0,0255 715	-26,8544	0	3,0382 1	1,3627 5
13	133,8 14	- 6,64057	0	129.14 2,13	5,49602	0,0383 857	-26,7995	0	3,0390 2	1,3627 1
13	133,9 14	- 6,33663	0	128.64 5,81	6,31628	0,0512 485	-26,731	0	3,0398 2	1,3626 3
13	134,0 14	- 6,03261	0	128.11 5,21	7,03071	0,0641 296	-26,6551	0	3,0406 4	1,3625 3
13	134,1 14	-5,7285	0	127.56 4,68	7,66665	0,0770 501	-26,5757	0	3,0414 8	1,3624 2
13	134,2 14	- 5,42431	0	127.00 2,96	8,24231	0,0900 106	-26,4943	0	3,0423 3	1,3623
13	134,3 14	- 5,12004	0	126.42 7,38	8,77121	0,1029 85	-26,4107	0	3,0431 9	1,3621 8
13	134,4 14	- 4,81567	0	125.84 4,24	9,25949	0,1160 14	-26,326	0	3,0440 6	1,3620 6
13	134,5 14	- 4,51122	0	125.25 4,77	9,71312	0,1291 01	-26,2403	0	3,0449 5	1,3619 4
13	134,6 14	- 4,20668	0	124.66 0,28	10,1366	0,1422 51	-26,1539	0	3,0458 3	1,3618 1
13	134,7 14	- 3,90205	0	124.06 0,40	10,5339	0,1554 62	-26,0667	0	3,0467 3	1,3616 9

13	134,8 14	- 3,59734	0	123.45 5,00	10,9079	0,1687 33	-25,9786	0	3,0476 3	1,3615 6
13	134,9 14	- 3,29253	0	122.84 2,49	11,2613	0,1820 53	-25,8895	0	3,0485 5	1,3614 3
13	135,0 14	- 2,98763	0	122.22 1,87	11,5963	0,1954 13	-25,7992	0	3,0494 8	1,3613
13	135,1 14	- 2,68263	0	121.59 1,98	11,9151	0,2088 03	-25,7075	0	3,0504 2	1,3611 7
13	135,2 14	- 2,37754	0	120.95 2,30	12,2182	0,2222 38	-25,6144	0	3,0513 8	1,3610 4
13	135,3 14	- 2,07235	0	120.30 2,30	12,5063	0,2357 34	-25,5197	0	3,0523 5	1,3609
13	135,4 14	- 1,76707	0	119.64 1,95	12,7805	0,2492 89	-25,4235	0	3,0533 5	1,3607 6
13	135,5 14	- 1,46168	0	118.97 0,91	13,0416	0,2629 03	-25,3257	0	3,0543 6	1,3606 2
13	135,6 34	- 1,09509	0	118.15 1,48	13,3386	0,2793 57	-25,1791	0	3,0555 9	1,3603
13	135,7 78	- 0,65497 5	0	117.14 6,95	13,673	0,2992 95	-24,946	0	3,0571 1	1,3596 1
13	135,9 5	- 0,12654 4	0	115.90 6,86	14,045	0,3235 81	-24,5391	0	3,0589 9	1,3581
13	136,1 58	0,50801 3	0	114.36 3,68	14,4514	0,3533 08	-23,8766	0	3,0613 3	1,3553 7
13	136,4 07	1,27014	0	112.42 9,89	14,8899	0,3897 54	-22,8991	0	3,0642 7	1,3511 5
13	136,7 05	2,18569	0	109.98 2,41	15,3913	0,4335 25	-21,5094	0	3,0680 4	1,3450 3
13	137,0 63	3,2859	0	106.91 7,09	16,0077	0,4841 11	-19,6155	0	3,0729 1	1,3366 3
13	137,4 93	4,60862	0	102.79 4,76	16,7703	0,5423 13	-16,8991	0	3,0796 5	1,3245 8
13	138,0 09	6,20023	0	96.575, 99	17,6986	0,6111 07	-12,718	0	3,0899 2	1,3063 2
13	138,4 46	7,5523	0	89.058, 84	18,4763	0,6712 87	-7,84203	0	3,1024 8	1,2856 4

13	138,4 46	7,5523	0	89.058, 84	18,4763	0,6712 87	-7,84203	0	3,1024 8	1,2856 4
13	138,6 29	8,11913	0	84.882, 88	18,7904	0,6979 19	-5,30806	0	3,1094 4	1,2751 9
13	139,3 72	10,4383	0	70.750, 75	20,0041	0,8035 39	1,82146	0	3,1306 2	1,2473 6
13	140,2 63	13,2371	0	58.282, 02	21,3579	0,9283 79	7,11324	0	3,1462 5	1,2280 2
13	141,3 33	16,6098	0	47.494, 24	22,8801	1,0761 1	10,9295	0	3,1574	1,2149
13	142,6 17	20,6691	0	38.327, 54	24,6156	1,2506 4	13,7245	0	3,1651 5	1,2058
13	144,1 58	25,5501	0	30.653, 67	26,6213	1,4559 7	15,7973	0	3,1704 3	1,1993 8
13	146,0 07	31,4402	0	24.272, 07	28,9645	1,6772 4	17,3549	0	3,2152	1,1947 8
13	146,1 24	31,8178	0	23.935, 49	29,1106	1,6901 9	17,4329	0	3,2201 9	1,1945 6
13	148,2 25	38,6807	0	18.965, 37	31,7166	1,9171 6	18,5446	0	3,3033 1	1,1914 3
13	148,7 74	40,4986	0	17.928, 37	32,3926	1,9754 9	18,7665	0	3,3232 3	1,1908 2
13	148,7 74	40,4986	0	17.928, 37	32,3926	1,9754 9	18,7665	0	3,3232 3	1,1908 2
13	150,8 88	47,6051	0	14.526, 31	34,8298	2,221	19,4643	0	3,4018 3	1,1889 7
13	151,4 27	49,4473	0	13.777, 98	35,4016	2,2907 6	19,6109	0	3,4227 9	1,1885 9
14	268,4 28	-7,5523	0	1,00	0,00177 245	0,1512 75	24,6212	0	3,1802 3	1,1739 1
14	268,5 28	- 7,23579	0	15.357, 38	3,26039	0,0119 357	-12,7635	0	3,1648 6	1,3529 6
14	268,6 28	-6,9193	0	15.301, 94	4,59055	0,0238 653	-12,8695	0	3,1649 6	1,3535 6
14	268,7 28	-6,6028	0	15.237, 36	5,59488	0,0358 58	-12,8865	0	3,1650 4	1,3536 9
14	268,8	-	0	15.171,	6,42803	0,0479	-12,8882	0	3,1651	1,3537

	28	6,28629		75		039			3	3
14	268,9 28	- 5,96977	0	15.105, 79	7,14918	0,0600 116	-12,885	0	3,1652 1	1,3537 5
14	269,0 28	- 5,65325	0	15.038, 98	7,79145	0,0721 592	-12,8797	0	3,1652 9	1,3537 6
14	269,1 28	- 5,33672	0	14.970, 97	8,37276	0,0843 519	-12,8733	0	3,1653 8	1,3537 7
14	269,2 28	- 5,02017	0	14.901, 81	8,90423	0,0966 004	-12,8662	0	3,1654 7	1,3537 7
14	269,3 28	- 4,70362	0	14.831, 57	9,39473	0,1089 02	-12,8585	0	3,1655 6	1,3537 7
14	269,4 28	- 4,38706	0	14.760, 33	9,84999	0,1212 64	-12,8506	0	3,1656 5	1,3537 7
14	269,5 28	- 4,07049	0	14.688, 13	10,2744	0,1336 91	-12,8423	0	3,1657 4	1,3537 6
14	269,6 28	- 3,75391	0	14.614, 98	10,6717	0,1461 85	-12,8338	0	3,1658 3	1,3537 6
14	269,7 28	- 3,43733	0	14.540, 85	11,0449	0,1587 46	-12,8251	0	3,1659 3	1,3537 6
14	269,8 28	- 3,12073	0	14.465, 67	11,3963	0,1713 75	-12,8162	0	3,1660 2	1,3537 5
14	269,9 28	- 2,80412	0	14.389, 41	11,7281	0,1840 72	-12,8072	0	3,1661 2	1,3537 5
14	270,0 28	- 2,48751	0	14.311, 99	12,0417	0,1968 43	-12,7979	0	3,1662 2	1,3537 4
14	270,1 28	- 2,17088	0	14.233, 39	12,3383	0,2096 96	-12,7885	0	3,1663 2	1,3537 4
14	270,2 28	- 1,85424	0	14.153, 55	12,6191	0,2226 29	-12,7788	0	3,1664 2	1,3537 3
14	270,3 28	- 1,53759	0	14.072, 36	12,8852	0,2356 5	-12,763	0	3,1665 3	1,3536 9
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14	270,5 48	- 0,84093 1	0	13.888, 67	13,4246	0,2646 01	-12,6922	0	3,1667 7	1,3534 2
14	270,6 92	- 0,38490	0	13.764, 32	13,7456	0,2838 79	-12,558	0	3,1669 3	1,3527 7

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14	270,8 65	0,16235 8	0	13.610, 41	14,1006	0,3073 88	-12,2988	0	3,1671 3	1,3514 8
14	271,0 72	0,81912 1	0	13.418, 30	14,4858	0,3362 12	-11,8526	0	3,1673 9	1,3492 1
14	271,3 21	1,60731	0	13.175, 53	14,8984	0,3716 39	-11,1518	0	3,1677 1	1,3456 2
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14	272,4 08	5,0512	0	11.860, 95	16,7091	0,5233 61	-6,28027	0	3,1695 4	1,3207 8
14	272,9 24	6,68693	0	10.986, 32	17,616	0,5933 96	-2,90397	0	3,1708 2	1,3038 1
14	273,1 97	7,5523	0	10.366, 01	18,0967	0,6317 44	-0,611039	0	3,1717 5	1,2923 9
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14	273,5 43	8,65095	0	9.401,2 0	18,6916	0,6828 17	2,62135	0	3,1731 9	1,2764 7
14	274,2 86	11,0095	0	7.770,7 0	19,9183	0,7902 5	7,60724	0	3,1753 3	1,2522 7
14	274,5 16	11,7403	0	7.359,3 4	20,287	0,8228 19	8,72263	0	3,1758 2	1,2468 9
14	275,1 78	13,8414	0	6.357,7 6	21,3221	0,9151 69	11,2285	0	3,1768 9	1,2348 4
14	276,2 48	17,2411	0	5.151,0 7	22,9385	1,0612 1	13,9034	0	3,178	1,222
14	277,5 31	21,3219	0	4.134,7 3	24,8113	1,2322 2	15,9025	0	3,1787 6	1,2124
14	279,0 72	26,2199	0	3.289,4 9	26,9973	1,4322 9	17,4088	0	3,1792 8	1,2051 6
14	280,9 21	32,1153	0	2.592,7 9	29,5649	1,6510 1	18,5517	0	3,2108 1	1,1996 7
14	283,1	39,3327	0	2.017,7	32,5811	1,8828	19,4302	0	3,2951	1,1954

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14	285,8 02	48,2274	0	1.549,3 1	36,1494	2,1575 1	20,1021	0	3,3847 3	1,1922 2
14	286,1 62	49,4478	0	1.498,7 9	36,6302	2,1943 4	20,1721	0	3,3959 9	1,1918 8

