

S1.1 Census counts, Chapter 2

	Transect				Transect D																																Transect E												Transect F											
	Sample ID	Split	Sample volume [cm ³]	Counts	Dead	live	<i>Ammonia batava</i>	<i>Ammonia cf. beccarii</i>	<i>Asterigerinata</i> sp.	<i>Balticammima pseudomacrescens</i>	<i>Bollvina variabilis</i>	<i>Bollvina</i> spp.	<i>Bulinina</i> spp.	<i>Bulinella borealis</i>	<i>Cibicides</i> sp.	<i>Cibicides</i> spp.	<i>Conuspira involvens</i>	<i>Elphidium excavatum</i>	<i>Elphidium williamsoni</i>	<i>Elphidium</i> spp.	<i>Haynesina germanica</i>	<i>Entzia macrescens</i>	<i>Miliammima fusca</i>	<i>Nonion depressulum</i>	<i>Nonion</i> sp. 1	<i>Nonion</i> sp. 2	<i>Paratrochammima haynesi</i>	<i>Pyrgo</i> sp.	<i>Quinqueloculina</i> sp.	<i>Siphonotrochammima lobata</i>	<i>Stainforthia fusiformis</i>	<i>Textularia</i> spp.	<i>Tiphrotracha comprimata</i>	<i>Trochammima inflata</i>	<i>Trochammima ochracea</i>																									
	D1	2/64	32	dead	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	205	1	0	0	0	0	0	0	0	0	0	0	28	0																								
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	11	0																									
	D3	1/8	30	dead	3	0	3	2	11	0	0	0	0	0	0	0	16	4	0	0	8	479	96	0	0	0	0	0	0	277	0	0	0	0	95	0																								
				live	0	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	124	9	0	0	0	0	0	0	38	0	0	0	0	30	0																								
	D4	1/64	29	dead	0	0	0	0	1	0	1	0	0	0	0	0	0	2	1	0	6	99	6	2	0	0	0	0	62	0	0	0	0	26	0																									
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	5	0	0	0	0	8	0																									
	D5	1/8	28	dead	22	0	0	0	6	2	4	0	0	0	0	1	0	31	0	198	35	0	21	0	44	0	0	14	0	5	2	0	0	0	0																									
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0																									
	D6	1/64	45	dead	1	0	0	0	0	0	0	0	0	0	0	0	0	4	13	0	5	77	40	0	0	0	0	0	32	0	0	0	0	85	0																									
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	1	0	0	0	0	17	0																									
	D7	2/64	40	dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	178	1	0	0	0	0	0	35	0	0	0	0	47	0																									
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	14	0	0	0	0	13	0																									
	D8	1/8	38	dead	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	20	145	12	4	2	0	0	0	1	0	0	0	0	16	0																										
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	8	0																										
	D9	5/32	43	dead	0	0	0	1	0	0	0	0	0	0	0	0	0	0	46	0	5	183	57	1	0	0	0	0	0	0	0	0	45	0																										
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	38	3	0	0	0	0	0	0	0	0	0	3	0																										
	D10	1/8	28	dead	2	0	7	0	2	0	0	1	1	0	0	0	3	1	0	54	212	3	5	14	0	0	0	7	0	2	0	0	41	0																										
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	7	0																										
	D11	1/16	37	dead	0	0	3	0	1	0	2	0	0	0	0	0	0	0	21	0	22	159	18	4	0	0	1	1	63	0	1	0	0	61	0																									
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	21	3	0	0	0	0	6	0	0	0	0	26	0																										
	D12	1/8	47	dead	7	1	0	0	9	2	0	3	0	1	0	6	33	0	364	50	6	35	6	0	1	0	17	1	1	0	0	7	0																											
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	11	25	1	0	0	0	0	1	0	0	0	0	2	0																											
	D13	5/64	30	dead	0	7	0	0	1	0	0	1	0	0	0	0	0	11	0	47	112	9	5	12	0	0	0	22	0	0	0	0	45	0																										
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	32	0	0	0	0	0	4	0	0	0	0	12	0																										
	D14	6/64	25	dead	19	9	0	0	1	2	0	1	0	0	1	20	9	0	192	13	0	12	6	0	1	0	5	0	2	0	0	0	1	0																										
				live	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	18	6	2	0	0	0	0	1	0	0	0	0	0	0	0																										
	D15	3/64	32	dead	34	19	0	0	0	0	0	0	0	0	0	0	43	36	1	84	5	2	6	21	0	0	2	0	0	1	0	1	0																											
				live	4	2	0	0	0	0	0	0	0	0	0	0	1	1	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
	D16	4/64	42	dead	22	1	142	0	1	0	0	1	0	1	0	91	21	1	0	0	0	0	0	14	7	0	0	0	0	2	0	0	0	3																										
				live	0	0	19	0	0	0	0	0	0	0	0	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
	E1	1/64	37	dead	1	0	0	0	0	0	0	1	0	0	0	1	1	0	1	201	8	0	0	0	0	0	2	0	0	0	0	91	0																											
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0																											
	E2	4/64	30	dead	0	0	0	0	0	0	0	0	0	0	0	0	1	19	0	5	135	13	3	0	0	0	39	0	0	0	0	37	0																											
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	2	0	0	0	0	3	0																											
	E3	2/64	27	dead	49	11	0	0	0	0	0	0	0	0	0	0	0	0	0	7	66	34	0	0	0	0	42	0	0	0	0	27	0																											
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	2	0	0	0	0	0	0	0	0	0	4	0																											
	E4	4/64	27	dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	73	14	0	0	0	0	72	0	0	0	0	83	0																											
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	1	0	0	0	0	12	0																											
	E5	1/64	32	dead	1	0	0	0	0	2	0	0	0	0	0	3	0	0	5	234	6	0	0	0	0	10	0	0	0	0	22	0																												
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	1	0																												
	E6	4/64	28	dead	1	0	0	0	3	0	1	0	0	0	0	0	1	0	24	182	2	1	0	0	0	30	0	0	0	0	28	1																												
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	39	0	0	0	0	0	1	0	0	0	0	8	0																												
	E7	2/64	24	dead	0	0	0	0	0	0	0	0	0	0	0	5	1	9	0	13	84	82	1	0	0	0	45	0	0	0	0	49	1																											
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4	0																												
	E8	2/64	30	dead	4	0	0	0	2	0	1	0	0	0	0	14	6	0	34	95	60	3	2	0	0	39	0	0	0	0	26	0																												
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	0	0	0	0	0	0	0	0	0	0	3	0																												
	E9	1/64	43	dead	0	0	0	0	0	0	0	1	0	0	0	21	13	0	54	34	9	4	0	0	59	0	0	0	3	15	2																													
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	7	0																												
	E10	2/64	32	dead	13	0	0	1	1	0	0	0	0	0	0	30	7	0	95	102	6	2	0	0	1	10	0	0	1	0	52	0																												
				live	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	19	0	0	0	0	0	1	0	0	0	0	12	0																												
	E11	1/64	42	dead	31	1	0	0	0	0	0	0	0	0	0	55	12	0	189	5	0	13	2	0	2	0	0	0	0	0	0	0	0																											
				live	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
	E12	3/64	39	dead	31	3	0	0	1	0	0	0	0	0	3	0	47	13	0	185	0	0	5	0	0	1	0	0	0	0	0	1																												
				live	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0																											
	F1	1/8	41	dead	0	0	0	0	0	0	0	0	0	0	0	2	2	0	18	164	2	0	0	0	0	0	0	0	0	26	0																													
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	3	0	0																												
	F2	1/8	45	dead																																																								

[illegible]

S1.2 Environmental parameter, Chapter 2

Transect	Station	Easting	Northing	Elevation	pH	Salinity	Sand	Mud
		[UTM32 WGS84]		[m NHN]			[%]	[%]
Transect D	D1	478796	6024992	1.92	7.5	2.99	3.5	97
	D2	478802	6024942	1.89	7.9	3.38	13.6	86
	D3	478819	6024887	1.86	7.9	3.79	11	89
	D4	478832	6024809	1.79	7.9	3.59	12.2	88
	D5	478848	6024734	2.04	8.1	1.79	33.5	67
	D6	478854	6024708	1.75	7.8	5.47	4.71	95
	D7	478859	6024669	1.9	7.9	4.62	6.06	94
	D8	478865	6024632	1.91	8	1.75	1.73	98
	D9	478870	6024590	1.91	7.5	8.06	4.77	95
	D10	478877	6024545	2.01	7.9	2.59	4.7	95
	D11	478885	6024512	1.84	7.7	8	9.54	91
	D12	478890	6024467	1.91	8	3.12	15.3	85
	D13	478889	6024451	1.94	8	2.99	27.1	73
	D14	478900	6024449	1.88	8.1	2.2	38.9	61
	D15	478904	6024445	1.68	8.1	3.15	49.7	50
	D16	478902	6024441	1.7	8.2	12.7	28	72
Transect E	E1	478895	6024441	1.94	7.7	3.13	7	93
	E2	479134	6026777	1.9	7.8	3.48	7.04	93
	E3	479132	6024867	1.99	7.8	6.33	4.64	95
	E4	479136	6024820	1.89	7.9	4.39	4.75	95
	E5	479067	6024754	1.95	7.9	3.11	8.4	92
	E6	479033	6024709	1.85	8	2.01	6.62	93
	E7	479263	6024638	1.83	7.7	7.53	9.1	91
	E8	479052	6024604	1.88	7.9	3.05	18.7	81
	E9	479051	6024494	1.85	8	5.5	12.2	88
	E10	479054	6024522	1.91	8	1.91	15.9	84
	E11	479053	6024505	1.48	8.2	6.86	57.2	43
	E12	479052	6024487	1.6	8.2	6.93	41	59
Transect F	F1	479053	6024470	1.73	7.7	3.11	8.06	92
	F2	479838	6024266	1.81	7.7	3.74	6.57	93
	F3	479798	6024245	1.89	7.5	8.73	3.08	97
	F4	479715	6024245	2.02	7.5	3.72	3.49	96
	F5	479640	6024219	1.87	9.9	4.94	3.07	97
	F6	479559	6024201	1.87	7.7	3.01	4.39	96
	F7	479477	6024190	1.81	7.6	4.71	3.43	97
	F8	479393	6024177	1.89	7.6	4.59	3.93	96
	F9	479314	6024165	1.81	7.7	6.53	4.07	96
	F10	479236	6024150	1.93	8.1	1.71	11.1	89
	F11	479174	6024134	1.91	7.8	3.21	24.1	76
	F12	479125	6024140	1.84	8.1	1.24	22.4	78
	F13	479044	6024138	1.97	8.1	1.5	58.5	42
	F14	478966	6024124	1.11	8.1	4.03	67.5	33
	F15	478957	6024120	1.07	8.1	10.1	24.9	75

S.2.1 Census counts, Chapter 3

Transect	Transect SyRa I																				Transect SyRa II																			
	Sample ID	Split	Sample volume [cm ³]	Counts Dead/live	<i>E. macrescens</i>	<i>M. fusca</i>	<i>Haplophragmoides</i> spp.	<i>Quinqueloculina</i> spp.	<i>P. haynesi</i>	<i>T. ochracea</i>	<i>Trochammina</i> sp.	<i>B. pseudomacrescens</i>	<i>T. inflata</i>	<i>H. germanica</i>	<i>E. macrescens irregularis</i>	<i>E. excavatum</i>	<i>E. williamsoni</i>	<i>Ammobaculites</i> spp.	<i>A. batava</i>	<i>Ammodiscus</i> spp.																				
Transect SyRa I	1	1	55.0	live/dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
	2	1	40.0	Live/dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
	3	1	42.0	dead	113	44	0	4	3	2	13	16	6	1	0	0	0	0	0	0																				
				live	28	3	0	0	0	0	12	17	0	0	0	0	0	0	0	0																				
	4	1/4	56.0	dead	170	35	0	0	0	6	9	10	4	0	0	0	0	0	0	0																				
				live	16	5	0	0	0	0	6	11	0	0	0	0	0	0	0	0																				
	5	1/8	53.0	dead	103	131	0	0	0	3	19	40	36	0	2	0	0	0	0	0																				
				live	36	30	0	0	0	0	11	55	15	0	0	0	0	0	0	0																				
	6	1/8	50.0	dead	154	145	0	0	0	1	17	48	40	0	2	0	0	0	0	0																				
				live	95	17	0	0	0	0	4	10	13	0	0	0	0	0	0	0																				
	7	1/8	53.0	dead	105	137	0	0	0	1	5	24	60	0	0	1	1	0	0	0																				
				live	18	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0																				
	8	1/8	52.0	dead	11	265	0	7	2	0	0	11	9	1	0	0	2	14	0	0																				
				live	0	0	0	4	0	0	0	1	0	0	0	0	0	0	1	0																				
	9	1/4	45.0	dead	11	175	0	0	0	0	0	4	0	0	1	0	0	101	0	0																				
				live	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0																				
	10	1/8	45.0	dead	0	9	0	0	0	0	0	0	0	0	0	0	0	42	0	0																				
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0																				
	11	1/8	37.0	dead	0	16	0	0	0	0	0	0	0	0	0	0	0	78	0	0																				
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	135	0	0																				
	12	1	40.0	dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
	Transect SyRa II	1	1/2	45.0	dead	143	15	8	1	1	0	0	0	14	0	28	0	0	0	0	0																			
					live	27	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0																			
2		1/32	32.0	dead	187	50	2	2	0	0	0	1	31	0	3	0	0	1	0	0																				
				live	46	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0																				
3		3/64	31.0	dead	86	31	0	54	0	1	0	0	14	0	1	4	10	0	1	0																				
				live	29	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0																				
4		1	32.0	dead	13	8	0	17	0	1	0	0	30	0	0	8	57	1	0	0																				
				live	5	0	0	18	0	0	0	0	39	0	0	3	41	0	0	0																				
5		1/4	35.0	dead	32	93	0	16	0	0	0	0	30	1	0	2	15	10	0	0																				
				live	6	0	0	2	0	0	0	0	4	0	0	1	1	0	0	0																				
6		1/8	36.0	dead	13	208	0	2	1	0	0	0	2	2	0	0	2	4	0	0																				
				live	1	21	0	0	0	0	0	0	0	3	0	0	11	1	1	0																				
7		1/8	38.0	dead	147	115	3	0	0	0	0	1	1	0	2	0	0	52	0	0																				
				live	99	19	0	1	0	0	0	0	0	2	0	0	2	0	1	0																				
8		1/8	37.0	dead	25	122	0	27	0	0	0	0	125	1	0	0	2	21	2	0																				
				live	3	1	0	7	0	0	0	0	58	0	0	0	0	0	0	0																				
9		1	35.0	dead	9	42	0	0	0	0	0	0	13	0	0	0	0	30	0	0																				
				live	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0																				
10		5/8	38.0	dead	3	50	1	0	1	2	0	0	2	12	0	26	4	101	0	0																				
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0																				
11		1	37.0	dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				

Transect SyRa III	12	1	38.0	Live/dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1/2	39.0	dead	34	14	2	0	4	0	0	19	0	0	0	0	0	0	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	1/8	34.0	dead	186	98	2	2	0	1	0	10	37	0	77	0	0	1	0
				live	40	2	0	1	0	0	0	1	16	0	7	0	0	0	0
	3	1/8	35.0	dead	104	119	0	0	0	0	0	11	78	0	3	1	7	0	0
				live	3	1	0	5	0	0	0	0	36	0	0	0	0	0	0
	4	5/8	37.0	dead	47	30	0	43	0	1	0	15	35	0	0	3	23	12	0
				live	1	1	0	18	0	0	0	2	31	0	0	0	7	0	0
	5	1/4	36.0	dead	14	190	0	3	0	0	0	3	4	1	0	0	1	39	1
				live	2	37	0	0	0	0	0	0	3	1	0	0	0	5	0
	6	1/4	38.0	dead	0	158	0	0	1	0	0	0	0	0	0	1	1	109	0
				live	0	4	0	0	0	0	0	0	0	0	0	1	1	25	1
	7	1/8	40.0	dead	3	175	2	0	0	0	0	2	1	0	0	0	0	73	0
				live	0	18	0	0	0	0	0	0	0	0	0	0	0	17	0
	8	1/2	32.0	dead	4	81	1	0	1	0	0	0	1	0	0	0	1	140	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
	9	1/8	35.0	dead	7	15	0	0	0	0	0	6	0	0	0	0	0	39	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Transect Sø	1	1	45.0	Live/dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		1	46.0	Live/dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		1	42.0	dead	13	0	0	0	0	0	0	92	8	0	0	0	0	0	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		1	45.0	dead	26	6	0	0	0	0	0	114	0	0	0	0	0	0	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		1	42.0	dead	12	4	0	0	0	0	0	137	0	0	0	0	0	0	0
				live	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
6		1/4	48.0	dead	33	157	4	0	0	0	0	166	2	0	0	0	0	0	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		3/8	52.0	dead	24	164	2	0	0	0	0	96	0	0	0	0	0	0	0
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		6/8	47.0	dead	9	147	1	0	0	0	0	71	0	0	0	0	1	0	0
				live	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
9		1/8	50.0	dead	156	32	0	151	0	0	0	29	93	30	0	21	55	0	8
				live	26	2	0	6	0	0	0	6	34	1	0	0	10	0	0
10		1/8	40.0	dead	315	2	0	15	2	4	0	19	118	18	0	95	22	0	31
				live	31	0	0	0	0	0	0	0	12	0	0	0	0	0	0
11		1/8	52.0	dead	117	1	0	1	0	1	0	22	12	10	0	100	18	0	19
				live	14	0	0	0	0	0	0	3	4	0	0	0	0	0	0
12		1/8	48.0	dead	9	4	0	7	0	1	0	0	7	13	0	226	51	0	65
				live	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0
13		1/8	42.0	dead	0	0	0	0	0	0	0	0	0	88	0	1009	141	0	272
				live	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		7/64	50.0	dead	3	0	0	2	0	2	0	0	0	25	0	155	51	0	36
				live	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1

S2.2 Environmental parameter, Chapter 3

Transect	Station	Elevation	Easting	Northing	pH	Salinity	Sand	Mud	FF	MST	DoS	SWLI
		[m NHN]	UTM32 WGS84			[g/kg]	[%]	[%]	[%]	[minutes]	[%]	
Transect SyRa I	1	2.45	472941	6076342	7.8	1.45	94.63	5.37	0.62	113.14	0.09	9.5
	2	1.72	473069	6076341	7.7	5.85	9.72	90.28	5.71	140.7	1.09	4.29
	3	1.84	473312	6076341	8.1	0.52	86.38	13.62	3.98	136.96	0.74	5.14
	4	1.62	473560	6076339	7.6	6.03	8.07	91.93	8.29	138.48	1.55	3.57
	5	1.6	473821	6076338	6.4	10.64	2.22	97.78	9.04	137.6	1.68	3.43
	6	1.46	474480	6076335	7	18.48	28.77	71.23	15.86	138.28	2.97	2.43
	7	1.42	475027	6076332	7	19.75	43.26	56.74	18.35	138.63	3.44	2.14
	8	0.77	475529	6076333	7.7	7.13	72.13	27.87	86.59	207.67	24.32	-2.5
	9	0.66	476232	6076331	6.3	7.18	96.33	3.67	91.82	233.48	29	-3.29
	10	0.51	477360	6076328	7.6	5.41	98.12	1.88	95.47	274.4	35.43	-4.36
	11	0.46	479019	6076324	6.4	2.67	94.19	5.81	96.19	287.46	37.4	-4.71
	12	0.95	480213	6076322	8.4	18.02	98.57	1.43	69.62	173.34	16.32	-1.21
Transect SyRa II	1	2.05	474687	6076381	8.1	0.11	88.94	11.01	2.24	139.32	0.42	6.64
	2	1.91	475040	6076379	7.1	9.19	4.68	95.32	3.05	135.77	0.56	5.64
	3	1.41	475330	6076377	7.8	4.69	94.63	5.37	18.35	138.63	3.44	2.07
	4	1.98	475549	6076377	7.3	4.18	95.64	4.36	2.41	142.84	0.47	6.14
	5	1.48	475837	6076376	7.7	5.67	97.58	2.42	14.28	136.62	2.64	2.57
	6	1.39	476029	6076376	8	3.61	87.89	12.11	19.63	139.32	3.7	1.93
	7	1.11	476478	6076375	7.3	10.34	72.2	27.8	50.01	154.18	10.43	-0.07
	8	1.18	476821	6076374	7.9	2.55	88.9	11.1	39.89	147.33	7.95	0.43
	9	0.87	477476	6076373	7.7	2.52	96.04	3.78	78.7	186.54	19.85	-1.72
	10	0.67	477986	6076370	8.1	9.27	98.38	1.6	91.82	233.48	29	-3.21
	11	0.61	478977	6076368	7.8	19.75	98.94	1.06	93.61	248.77	31.5	-3.64
	12	0.48	479677	6076366	7.5	9.27	98.72	1.28	95.92	282.4	36.64	-4.57
Transect SyRa III	1	2.25	475858	607640	8	0.03	94.02	5.98	1.05	135.34	0.19	8.07
	2	1.54	476137	6076405	6.6	7.88	90.86	9.14	11.58	135.15	2.12	3
	3	1.39	476542	6076403	8	2.91	88.2	11.78	19.63	139.32	3.7	1.93
	4	1.1	476785	6076403	7.5	5.9	26.47	73.53	50.01	154.18	10.43	-0.14
	5	1.1	477256	6076402	7.6	4.66	96.07	3.93	50.01	154.18	10.43	-0.14
	6	1.3	477564	6076401	7.4	10.5	96.63	3.32	27.92	142.6	5.38	1.29
	7	0.77	477979	6076401	7.3	4.74	98.18	1.82	86.59	207.67	24.32	-2.5
	8	0.68	478581	6076401	7.4	11.04	97.88	2.07	91.01	228.74	28.16	-3.14
	9	0.38	479298	6076402	7.1	8.61	97.28	2.72	96.89	308.33	40.4	-5.29
Transect SØ	1	5.34	466554	6133557	5.7	0.53	85.4	14.6	0	0	0	91.48
	2	3.72	466559	6133555	5.6	1.04	81.85	18.15	0	0	0	59.08
	3	2	466562	6133552	7.2	2.99	78.69	21.31	0.96	172.98	0.22	24.66
	4	1.38	466568	6133550	6.8	8.64	5.28	94.72	5.73	205.97	1.59	12.16
	5	1.31	466571	6133549	6.8	11.52	3.76	96.15	7.22	204.77	1.98	10.8
	6	1.18	466577	6133546	4.2	18.95	6.3	93.7	11.97	199.11	3.2	8.2
	7	0.93	466581	6133544	4.1	12.06	8.36	91.64	28.53	203.71	7.8	3.14
	8	0.95	466591	6133539	4.1	20.49	30.97	69.03	26.77	202.82	7.29	3.52
	9	0.6	466625	6133522	7.5	15.48	43.25	56.75	72.36	237.04	23.02	-3.32
	10	0.81	466634	6133518	7.7	19.08	47.36	52.64	43.29	208.71	12.12	0.72
	11	1.2	466637	6133516	7.7	10.33	47.36	52.64	11.26	197.88	2.99	8.54
	12	0.87	466645	6133515	7.8	10.52	94.64	5.36	34.72	205.47	9.57	1.92
	13	1.06	466651	6133513	8	3.63	1.14	98.7	17.87	202.16	4.85	5.78
	14	0.41	466653	6133512	7.9	20.62	88.11	11.89	89.03	294.69	35.21	-7.3

S3.1 Census counts, Chapter 4

depth [cm]	<i>E. macrescens</i>	<i>E. excavatum</i>	<i>E. williamsoni</i>	<i>H. germanica</i>	<i>T. ochracea</i>	<i>A. batavus</i>	<i>P. haynesi</i>	<i>Floresina</i> sp.	<i>Bolivina</i> sp.	<i>Ammodiscus</i> sp.	<i>Cibicides</i> sp.	<i>T. inflata</i>	<i>M. fusca</i>	<i>Pyrgo</i> Typ	<i>Steinforthia</i> sp.	<i>Norion</i> sp	<i>Quinqueloculina</i> spp.	<i>Haplophragmoides</i> sp.	<i>B. pseudomacrescens</i>	<i>Trochammina</i> sp.	<i>E. macrescens</i> ^{irregularis}	<i>Elphidium</i> sp.	<i>Ammobaculites</i> sp.	<i>T. comprimata</i>
0-1	34	16		53		9						18							8	2				
1-2	87			2		2						18							10	8				
2-3	25											13							46	18				
3-4	24											12							37					
4-5	62												3						71	8				
5-6	60											4							109	14	4			
6-7	30			2															98	4				
7-8	50					2						2							59	8	2			
8-9	47	4		9		2						1						1	116	14	6			
9-10	40	1		2	1														142	11	8			
10-11	46	5		7		3						2						1	139	4	7			
11-12	36	12		37		6						1							104	4		1		
12-13	40	14	4	59		8						5							88	2	3			1
13-14	48	28	3	72		11						8						1	48	2	3			
14-15	15	52	3	101		18						5							20					
15-16	20	43	1	88		11						1							15					
16-17	79	27	1	47		9						2							32	6				
17-18	42	26	3	119		17						2							17		3			
18-19	65	33	2	68		15						2							16		4	2		
19-20	77	41	4	49		20						4				1			24	3	6	1		
20-21	70	60	5	81		19	1					3							21	1	5			
21-22	102	33	2	58	1	22	1					4				1	1		18	1	6			
22-23	118	74	8	40		27			2								1		16	4	7	6		
23-24	130	28	2	31		24						4	1						12	1	6			
24-25	152	11	1	29		11						1							11		6			
25-26	185	33		24		11						4							3		6	1		
26-27	121	21	2	24		19						2							7		5			
27-28	40	94	2	41		42						1							3		1			
28-29	111	46	5	29		13						4							1		3			
29-30	215	17	2	15		8													9		10	1		
30-31	113	40	1	17	1	22						1							5		20	2		
31-32	158	17		17		3						1							6		18			1
32-33	97	45	2	33	1	15										1			4		3			
33-34	55	74	6	47		39	1					2								3	5			
34-35	69	76	5	48		39		1				6							3			1		
35-36	61	66	6	43	1	28						1							1			5		
36-37	57	93	6	60	1	23						1				1			2					
37-38	42	59	6	85		21						2							3		3	1		
38-39	130	49	3	34	1	16						2				1			2		1	1		
39-40	41	75	3	50		23						3							2		2	4		
40-41	170	31		21		7		1				2												
41-42	144	18	2	26		8	1	1				1							4		2			
42-43	167	5		6		7						1							4		10			1
43-44	153	6	1	20		6						1							10		12			
44-45	144	15	1	14		17						2							5		1			
45-46	239	2		11		3						4							9		6			
46-47	77	114	4	50		27						7				1			4		3	1		
47-48	42	111	16	93		71		2				5				2						5		
48-49	75	51	6	62		31		1													1			
49-50	153	24	5	28		9													2	1	1			
50-51	213			4	1	5						1	1						2		6			
51-52	224	6		6	1	4	1	1				2	1			1			3		19			

52-53	162	9		15		10							1					1		2			
53-54	218	10		6	1	8							1	2				4		6			
54-55	187	4	1	4		4							1					5	2	4			
55-56	94	33	1	43		33							3	1				1		1			
56-57	65	54	2	49		30		1					1					1					
57-58	72	86	14	84	2	65			1				4					6					
58-59	20	54	12	105		54	2										1		4				
59-60	84	41	9	33		20		2										16	1	1			
60-61	159	32	3	25		21							6	1			1		25				
61-62	149	16	1	30		30							1					20	2	2			
62-63	158	7		11		7							4				1		13				
63-64	219	3		8		3	1						2						3				
64-65	290	3		4	1	4		1					1	2					1	1			
65-66	125	49	1	21		26			1								2		1				
66-67	200	18	2	15		20							8				5						
67-68	232	8		19		6			1				8						1				
68-69	138	22		34		33							4				1		8				
69-70	91	51	6	58	1	44							3				3						
70-71	30	136	7	83		32												1			1		
71-72	33	75	11	78	1	59		1	1				4				8	1					
72-73	40	37	1	29	1	24							1				45		12				
73-74	137	25		18	1	12							2				12		33		1		
74-75	80	45		40		27							3	1			3		10				1
75-76	43	144	23	97		55		2					1						1		12		
76-77	40	161	19	104		42							2										
78-79	18	80	17	62		35							1										
80-81	18	145	32	102		72							2										
81-82	23	271	41	118		82		1										4			7		
82-83	11	228	34	131					1				2								5		
83-84	16	144	36	125		63											2				1		
84-85	22	59	30	82		50							1										
85-86	32	68	5	170	3	67							4			1							
86-87	65	12	3	94	1	28							3				1						
87-88	135	4		35	4	17		3					2			2							
88-89	176	7		6	6	5																	
89-90	160	7		23	1	13		1					1										
91-90	14	251	46	172		147		2					2										
92-93	16	456	92	127		92		5	2					1		6			2			32	
94-95	9	133	24	95		50																	
95-96	4	157	37	73		53												2			8		
96-97	2	92	22	65	1	33																	
97-98	2	124	16	57	1	33		2													7		
98-99	15	99	7	69	2			2						1			1				3		
99-100	21	140	7	62	1	31		1													6		
100-101	33	87	10	87	1	46							1				1						
101-102	15	135	5	75	3	50			1								1				6		
102-103	33	125	14	127	5	67		3			1				2	1	1						
103-104	29	84	10	117	4	47		1							3	2	1	1					
104-105	33	73	9	70	4	25		1	1	1	1		1										
105-106	79	75	2	20	1	15		2					3	4					2				

S3.2 Grain-size data, Chapter 4

Depth [cm]	MEAN [μm]	SKEWNESS	d90 [μm]
0.50	74.75	-0.35	152.74
1.50	81.94	-0.15	142.74
2.50	80.19	-0.15	142.36
3.50	71.30	-0.12	130.81
4.50	84.67	-0.07	141.97
5.50	73.48	-0.14	127.92
6.50	64.25	-0.09	133.73
7.50	73.05	-0.11	123.59
8.50	71.51	-0.08	127.91
9.50	71.87	-0.09	138.29
10.50	77.49	-0.09	136.63
11.50	78.77	-0.11	129.72
12.50	73.73	-0.11	133.82
13.50	70.92	-0.12	125.26
14.50	81.41	-0.12	136.44
15.50	81.39	-0.07	141.27
16.50	68.12	-0.13	138.07
17.50	63.42	-0.34	131.87
18.50	69.15	-0.16	131.50
19.50	67.80	-0.12	128.28
20.50	67.12	-0.09	124.18
21.50	78.23	-0.03	156.71
22.50	63.74	-0.16	122.99
23.50	72.51	-0.12	125.21
24.50	62.46	-0.23	124.00
25.50	73.44	-0.12	131.76
26.25	72.08	-0.12	131.92
27.00	72.76	-0.12	131.84
28.50	83.28	-0.23	144.72
29.50	82.62	-0.15	139.54
30.50	68.36	-0.10	128.25
31.50	66.13	-0.09	122.21
32.50	67.27	-0.09	117.86
33.50	49.77	-0.37	111.38
34.50	65.00	-0.11	124.90
35.50	67.88	-0.10	129.74
36.50	73.50	-0.11	126.12
37.50	68.61	-0.11	129.20
38.50	63.69	-0.14	126.93
39.50	62.30	-0.33	129.56
40.50	68.27	-0.10	119.02
41.50	67.55	-0.10	122.06
42.50	64.64	-0.18	130.94
43.50	62.90	-0.10	127.17
44.25	55.26	-0.30	116.17
45.75	73.36	-0.08	132.93
46.50	63.28	-0.12	123.24
47.50	66.17	-0.11	122.58

48.50	82.43	-0.09	135.77
49.50	67.33	-0.11	116.89
50.50	53.14	-0.34	113.27
51.75	53.86	-0.22	107.48
52.75	48.35	-0.36	101.42
53.00	51.11	-0.29	104.45
54.25	62.12	-0.11	108.88
55.25	59.55	-0.09	128.52
56.50	68.48	-0.02	139.07
57.75	71.80	-0.09	124.23
59.25	55.02	-0.33	116.23
60.25	72.54	-0.11	129.50
61.25	53.91	-0.25	109.67
62.50	65.81	-0.11	117.87
63.50	61.46	-0.09	111.44
64.50	47.03	-0.39	106.73
65.50	68.67	-0.11	125.34
66.50	43.56	-0.38	99.95
67.25	16.58	-0.47	77.15
68.25	52.24	-0.28	104.65
69.50	46.92	-0.36	100.95
70.50	62.31	-0.04	117.24
71.50	83.30	-0.07	143.43
72.00	72.80	-0.06	130.33
73.50	51.54	-0.31	110.90
74.50	47.61	-0.34	98.53
75.00	52.62	-0.23	116.09
76.50	61.55	-0.06	114.83
77.50	71.54	-0.34	157.52
78.50	81.71	-0.39	198.56
79.50	61.02	-0.47	177.00
80.50	26.92	-0.45	130.93
81.50	38.59	-0.47	141.35
82.50	69.11	-0.42	155.23
83.50	57.78	-0.41	135.54
84.50	53.02	-0.43	134.02
85.50	57.30	-0.23	117.27
86.50	83.38	-0.11	162.61
87.50	95.30	-0.13	161.91
88.50	73.74	-0.24	141.94
89.50	53.51	-0.33	113.47
90.50	50.31	-0.39	111.69
91.75	55.23	-0.36	116.00
92.25	73.02	-0.08	123.75
93.00	71.16	-0.08	120.48
94.00	73.09	-0.09	126.94
95.25	46.98	-0.39	109.57
96.25	72.54	-0.08	133.25
97.00	70.13	-0.14	129.72
98.00	56.59	-0.39	124.48

99.25	55.61	-0.32	116.29
100.00	54.67	-0.37	118.32
101.25	61.83	-0.15	121.98
102.25	75.42	-0.10	139.05
103.25	28.47	-0.48	113.55
104.50	29.28	-0.49	114.28
105.50	32.56	-0.48	98.39

S3.3 Age model, Chapter 4

Depth in core	^{137}Cs	$\pm \text{}^{137}\text{Cs}$	CRS MAR	$^{210}\text{Pb}_{\text{unSUPP}}$	$\pm \text{}^{210}\text{Pb}_{\text{unSUPP}}$	CRS year	$\pm$ CRS age
[cm]	[Bq kg ⁻¹]	+ - [Bq kg ⁻¹]	[g cm ⁻² y ⁻¹]	[Bq kg ⁻¹]	+ - [Bq kg ⁻¹]		
0	.	.	.	.	.	2013.5	0
1	5.45012093	0.98746474	1.930	7.22052094	4.49058109	2013.11409	7.71713771
2	3.70884029	0.42673069	0.934	14.6207629	2.27004196	2012.45639	7.79120333
3	1.66976304	0.31030343	0.734	18.0062574	2.7260071	2011.41061	7.92137011
4	3.87769118	0.59857207	1.068	12.0437909	2.70660377	2010.5292	8.0354871
5	3.26010492	0.42306375	1.048	11.9421715	2.03575896	2009.66885	8.15085905
6	2.38367334	0.31274547	0.756	15.9428103	2.76783295	2008.43943	8.3231556
8	2.50328385	0.25451127	2.164	5.2965654	1.80812641	2006.83468	8.55074156
9	3.93271884	0.34730465	0.600	18.7006248	3.35302044	2006.17042	8.65430384
10	1.7508787	0.27285297	1.693	6.44099201	1.96093027	2005.24412	8.80265713
11	2.23361338	0.33269974	0.792	13.4184127	2.13618224	2004.419	8.94143414
12	2.07934896	0.36493438	0.674	15.2255408	2.09711515	2003.27734	9.14367295
13	2.26994038	0.31749341	2.190	4.56703951	2.02169392	2002.45305	9.29394586
14	2.11692206	0.29338251	2.431	4.05954416	1.51842446	2002.02428	9.37273084
15	1.61826818	0.22815104	13.532	0.72490278	1.55189583	2001.83593	9.40680368
16	1.7565167	0.20878561	3.079	3.16717952	1.30678273	2001.64717	9.4407193
17	3.09169587	0.25175522	6.114	1.58223463	1.52233298	2001.3887	9.48887369
18	2.77296165	0.35729441	1.980	4.84472494	1.74934628	2001.10981	9.54180443
26	3.93418512	0.33385609	1.232	6.72743785	1.78519308	1996.41327	10.3264721
28	2.53925051	0.18050485	1.764	4.50378594	1.77346936	1995.07062	10.6274607
33	20.9011258	0.49834928	0.974	7.2625398	2.99037126	1991.34489	11.3385652
39	9.29025085	0.30068059	1.942	3.12829736	1.55055887	1986.45241	12.2281561
41	10.9356903	0.42573049	0.984	5.88469123	2.78828106	1984.91901	12.6538879
43	7.35057034	0.29991413	2.035	2.71541327	1.74338162	1983.41091	13.0885228
45	4.51336156	0.33435875	.	.	1.57532078	.	.
47	4.15397046	0.29017308	3.646	1.44582203	1.98143808	1981.89361	13.4466938
49	6.23625013	0.26259809	8.331	0.6253135	1.68943011	1981.51137	13.5392185
52	6.48947942	0.29751182	4.082	1.25467792	1.63049453	1980.96439	13.6522293
53	5.19560891	0.34107097	1.834	2.75418938	1.84359251	1980.51705	13.8002167
58	3.84093418	0.2159379	.	0	1.25938904	.	.
59	4.93005041	0.30156984	.	0	1.81209432	.	.
60	6.38497623	0.26906273	.	0	1.30260056	.	.
61	9.87683087	0.35746286	0.842	4.79573615	1.61062534	1973.31855	15.8071183
62	10.4976107	0.34400599	2.016	1.95208701	1.47177104	1972.50792	16.1532325
63	12.8258145	0.39676853	1.990	1.94536789	2.1160192	1971.98124	16.3739136
64	9.61514633	0.45577201	0.581	6.44605951	2.78718186	1970.93251	16.8265089
72	2.42880588	0.25117399	1.452	1.87748051	2.27706314	1960.7145	18.9371458
74	4.06238635	0.27309975	.	0	1.32853659	.	.
80	2.13952934	0.18265815	1.238	1.77246533	1.81372248	1953.73913	19.1813679
82	1.4402365	0.16676731	.	0	1.35847943	.	.
84	2.00426597	0.22220567	.	0	1.38734842	.	.
94	1.495665	0.33218477	0.189	4.98304395	1.83041236	1926.52232	22.0007825
96	0	.	0.131	5.0299462	2.26609832	1915.12551	29.7365549
101	0	.	0.178	1.39234947	1.76895247	1883.68337	53.5054035
105	0	.	0.051	1.35028097	2.30271511	1842.35223	47.7585521
106	0	.	.	3.02606596	1.80780027	.	.
107	0	.	.	0	2.02468947	.	.
108	0	.	.	0	1.4940453	.	.

S3.4 Water-level differences, Chapter 4

Table of mean water-level differences between Cuxhaven and "Tümlauer Hafen" for different wind strengths and directions and the number of cases.

Regional water-level differences between "Tümlauer Hafen" and Cuxhaven [m]									
Wind direction		N	NE	E	SE	S	SW	W	NW
Wind strength	0	.	.	.	.	.	.	.	.
[Beaufort scale]	1	-0.08	-0.05	.	-0.08	-0.08	-0.05	.	0.01
	2	-0.07	-0.08	-0.07	-0.07	-0.07	-0.06	-0.07	-0.07
	3	-0.11	-0.1	-0.09	-0.06	-0.04	-0.04	-0.06	-0.08
	4	-0.13	-0.11	-0.09	-0.06	-0.02	-0.01	-0.05	-0.1
	5	-0.18	-0.15	-0.11	-0.05	0.01	0.04	-0.03	-0.11
	6	-0.21	-0.26	-0.14	-0.02	0.04	0.1	-0.02	-0.14
	7	-0.26	-0.25	-0.02	0.02	0.08	0.2	0.03	-0.18
	8	-0.35	.	.	0.18	0.31	0.3	0.1	-0.22
	9	.	.	.	.	.	0.39	0.15	.
	10	.	.	.	.	.	0.61	.	.
	11	.	.	.	.	.	.	.	.
	12	.	.	.	.	.	.	.	.
Root mean squared error of water-level differences between "Tümlauer Hafen" and Cuxhaven [m]									
Wind strength	0	.	.	.	.	.	.	.	.
[Beaufort scale]	1	0.16	0.18	.	0.09	0.09	0.12	.	0.17
	2	0.14	0.15	0.14	0.15	0.13	0.15	0.14	0.14
	3	0.14	0.13	0.14	0.14	0.14	0.15	0.15	0.14
	4	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.15
	5	0.15	0.17	0.16	0.15	0.14	0.15	0.16	0.15
	6	0.14	0.18	0.19	0.17	0.14	0.15	0.17	0.18
	7	0.14	0.22	0.32	0.23	0.14	0.16	0.18	0.22
	8	0.32	.	.	0.33	0.16	0.17	0.2	0.28
	9	.	.	.	.	.	0.15	0.25	.
	10	.	.	.	.	.	0.03	.	.
	11	.	.	.	.	.	.	.	.
	12	.	.	.	.	.	.	.	.
Number of cases									
Wind strength	0	.	.	.	.	.	.	.	.
[Beaufort scale]	1	39	18	.	23	11	15	.	21
	2	476	472	575	529	516	611	622	573
	3	1092	1236	1666	1436	1468	1889	1609	1200
	4	698	975	1795	1842	1670	2789	2595	1318
	5	282	440	1223	1469	1262	2909	2409	961
	6	56	100	303	525	615	1980	1457	361
	7	12	31	13	58	141	765	674	111
	8	7	.	.	5	27	150	181	18
	9	.	.	.	.	.	17	28	.
	10	.	.	.	.	.	2	.	.
	11	1	.	.	.	1	.	.	.
	12	.	.	.	.	.	.	.	.

S3.5 XRF-data, Chapter 4

depth (cm)	Zr	Rb
0.000	1347	141
0.026	1707	181
0.052	2709	113
0.078	2024	276
0.104	1487	173
0.130	1870	122
0.156	2046	193
0.182	1701	195
0.208	1902	250
0.234	2238	175
0.260	2620	291
0.286	2698	241
0.312	2089	253
0.338	1957	350
0.364	2463	469
0.390	2378	414
0.416	2459	330
0.442	2138	571
0.468	2389	401
0.494	2267	368
0.520	1971	376
0.546	2982	453
0.572	2246	443
0.598	2449	558
0.624	2919	441
0.650	2873	336
0.676	2550	491
0.702	2755	446
0.728	2933	538
0.754	2823	477
0.780	2216	428
0.806	1975	281
0.832	2226	426
0.858	1904	416
0.884	1797	365
0.910	2382	466
0.936	2313	512
0.962	2424	464
0.988	1609	438
1.014	1742	505
1.040	2056	426
1.066	2235	385
1.092	1929	367
1.118	2124	389
1.144	1568	302
1.170	1394	363
1.196	1749	365
1.222	2163	401

1.248	1987	434
1.274	2593	401
1.300	2362	424
1.326	2547	373
1.352	2969	501
1.378	2647	363
1.404	2669	333
1.430	2284	437
1.456	2278	384
1.482	2289	316
1.508	2644	499
1.534	2657	457
1.560	2609	352
1.586	2550	499
1.612	2291	492
1.638	2400	511
1.664	2381	362
1.690	2395	409
1.716	2464	519
1.742	2028	414
1.768	1861	287
1.794	1198	440
1.820	1381	359
1.846	1086	370
1.872	999	544
1.898	1208	375
1.924	983	362
1.950	1239	452
1.976	1205	488
2.002	941	364
2.028	1150	269
2.054	916	508
2.080	930	462
2.106	1030	437
2.132	891	398
2.158	976	373
2.184	1141	369
2.210	897	469
2.236	800	545
2.262	996	544
2.288	872	538
2.314	1018	449
2.340	1101	486
2.366	962	423
2.392	1017	401
2.418	939	502
2.444	637	432
2.470	818	361
2.496	1116	550
2.522	1177	583

2.548	1248	415
2.574	1416	492
2.600	1784	528
2.626	1564	498
2.652	1047	444
2.678	1324	337
2.704	1103	431
2.730	967	312
2.756	1210	313
2.782	1118	399
2.808	818	434
2.834	1087	471
2.860	1187	403
2.886	996	308
2.912	1322	463
2.938	1244	456
2.964	1299	439
2.990	1203	275
3.016	1161	440
3.042	1065	374
3.068	1028	492
3.094	1137	396
3.120	1179	398
3.146	997	429
3.172	1394	513
3.198	1256	542
3.224	1093	353
3.250	1079	484
3.276	858	367
3.302	950	467
3.328	1428	412
3.354	1222	598
3.380	1526	469
3.406	1602	360
3.432	1875	650
3.458	1270	555
3.484	1265	433
3.510	1017	495
3.536	1122	402
3.562	1382	490
3.588	1313	485
3.614	1713	447
3.640	1464	455
3.666	2108	496
3.692	1892	467
3.718	1856	459
3.744	1675	387
3.770	1348	578
3.796	1436	411
3.822	1929	370

3.848	1901	285
3.874	1748	406
3.900	1282	551
3.926	1423	499
3.952	1384	366
3.978	1021	406
4.004	1446	453
4.030	1512	562
4.056	1655	521
4.082	1844	404
4.108	1854	363
4.134	1789	361
4.160	1942	453
4.186	1782	469
4.212	1343	545
4.238	1400	523
4.264	1539	386
4.290	1523	350
4.316	1666	481
4.342	1959	513
4.368	1894	387
4.394	1421	365
4.420	1448	393
4.446	1791	524
4.472	2241	347
4.498	1613	633
4.524	1265	445
4.550	1625	483
4.576	1526	501
4.602	1005	516
4.628	1216	430
4.654	1309	456
4.680	1510	454
4.706	1798	550
4.732	1505	455
4.758	1577	242
4.784	1558	469
4.810	1621	462
4.836	1663	348
4.862	1521	399
4.888	1471	439
4.914	1324	435
4.940	1325	318
4.966	909	416
4.992	641	353
5.018	1030	444
5.044	1263	199
5.070	931	348
5.096	1123	412
5.122	1155	398

5.148	938	367
5.174	858	371
5.200	1028	411
5.226	1113	432
5.252	981	485
5.278	1143	367
5.304	1193	403
5.330	1339	356
5.356	1407	516
5.382	1508	449
5.408	1396	520
5.434	1677	663
5.460	1905	549
5.486	2136	526
5.512	2297	380
5.538	2309	371
5.564	1895	414
5.590	2103	482
5.616	2134	534
5.642	2116	449
5.668	2255	394
5.694	2015	510
5.720	2301	468
5.746	2439	623
5.772	3068	464
5.798	3323	490
5.824	2775	508
5.850	2354	523
5.876	2735	396
5.902	2940	323
5.928	3328	387
5.954	3176	542
5.980	3022	374
6.006	3177	393
6.032	3261	273
6.058	3238	411
6.084	3233	369
6.110	2975	297
6.136	2854	386
6.162	1942	403
6.188	2028	394
6.214	2527	485
6.240	2192	473
6.266	1753	346
6.292	2683	468
6.318	2432	408
6.344	3034	424
6.370	2294	405
6.396	1687	394
6.422	1718	308

6.448	1955	538
6.474	1815	510
6.500	1898	463
6.526	1997	386
6.552	1751	442
6.578	2178	371
6.604	1816	391
6.630	1646	410
6.656	1488	555
6.682	1617	413
6.708	1396	501
6.734	1593	409
6.760	1355	450
6.786	1449	608
6.812	1311	473
6.838	1191	442
6.864	1438	430
6.890	2062	377
6.916	1461	363
6.942	1540	417
6.968	1084	470
6.994	1098	341
7.020	1153	483
7.046	1239	368
7.072	936	457
7.098	1376	395
7.124	1636	418
7.150	1770	438
7.176	1317	354
7.202	1367	513
7.228	1058	336
7.254	910	543
7.280	1021	406
7.306	1443	418
7.332	1471	363
7.358	1362	431
7.384	1194	412
7.410	1573	473
7.436	998	334
7.462	1121	400
7.488	1384	481
7.514	1226	448
7.540	1415	468
7.566	1173	447
7.592	1354	445
7.618	1055	534
7.644	1200	553
7.670	1247	418
7.696	1401	252
7.722	1151	465

7.748	1283	595
7.774	1605	358
7.800	1478	384
7.826	1430	458
7.852	1527	457
7.878	1668	392
7.904	1350	456
7.930	1272	425
7.956	1479	493
7.982	1750	365
8.008	1565	451
8.034	1414	535
8.060	1297	343
8.086	1117	459
8.112	1293	218
8.138	1163	326
8.164	1336	405
8.190	1436	521
8.216	1531	236
8.242	1550	455
8.268	1863	421
8.294	1500	345
8.320	1498	366
8.346	1444	329
8.372	1460	289
8.398	1264	389
8.424	1433	375
8.450	1502	509
8.476	1217	332
8.502	924	430
8.528	963	366
8.554	844	446
8.580	1275	318
8.606	1344	387
8.632	1366	403
8.658	1126	467
8.684	1051	502
8.710	1173	388
8.736	1127	337
8.762	1046	415
8.788	1428	390
8.814	1235	421
8.840	1151	424
8.866	1234	429
8.892	1434	403
8.918	1494	347
8.944	1825	400
8.970	1177	473
8.996	1561	327
9.022	1315	427

9.048	2076	396
9.074	1694	281
9.100	1001	401
9.126	1057	296
9.152	1184	297
9.178	1434	439
9.204	1316	427
9.230	1146	385
9.256	1341	300
9.282	1554	507
9.308	1723	364
9.334	1975	408
9.360	2090	444
9.386	1578	413
9.412	1540	482
9.438	1242	513
9.464	1026	406
9.490	1219	422
9.516	986	441
9.542	905	334
9.568	768	417
9.594	674	463
9.620	570	320
9.646	782	405
9.672	871	427
9.698	1082	386
9.724	1006	517
9.750	872	326
9.776	1710	350
9.802	1796	377
9.828	2252	313
9.854	1539	286
9.880	1941	447
9.906	1995	513
9.932	2330	489
9.958	2758	363
9.984	3700	339
10.010	3877	539
10.036	3587	509
10.062	2905	370
10.088	2007	410
10.114	1557	554
10.140	1727	504
10.166	1578	471
10.192	1577	518
10.218	1563	410
10.244	1538	546
10.270	1734	583
10.296	1874	524
10.322	1573	479

10.348	1325	415
10.374	1036	480
10.400	1536	514
10.426	1331	483
10.452	1182	390
10.478	1056	320
10.504	1451	457
10.530	1165	377
10.556	1000	460
10.582	937	556
10.608	1240	343
10.634	1581	401
10.660	1013	430
10.686	1269	486
10.712	1338	363
10.738	1455	411
10.764	1531	422
10.790	1893	367
10.816	1806	291
10.842	1396	391
10.868	1343	250
10.894	1199	375
10.920	1448	610
10.946	1463	414
10.972	1385	303
10.998	1137	479
11.024	1264	401
11.050	1293	393
11.076	1348	363
11.102	1637	372
11.128	1517	502
11.154	1843	408
11.180	2128	422
11.206	1625	400
11.232	1536	308
11.258	1833	480
11.284	1841	328
11.310	1564	349
11.336	1765	279
11.362	1741	427
11.388	1627	384
11.414	1508	547
11.440	1814	375
11.466	2036	312
11.492	1929	412
11.518	1676	411
11.544	1638	485
11.570	1911	438
11.596	2317	474
11.622	2072	366

11.648	2122	444
11.674	1836	416
11.700	1672	454
11.726	1803	517
11.752	1886	512
11.778	1647	534
11.804	1744	546
11.830	2190	511
11.856	1824	351
11.882	2123	477
11.908	1461	470
11.934	1431	338
11.960	1288	406
11.986	1547	539
12.012	1784	321
12.038	1338	405
12.064	1578	398
12.090	1595	478
12.116	1688	391
12.142	1455	308
12.168	1504	411
12.194	1320	391
12.220	1281	321
12.246	1497	483
12.272	1479	381
12.298	1564	376
12.324	962	454
12.350	1044	355
12.376	1245	436
12.402	1222	341
12.428	1534	478
12.454	1156	370
12.480	1097	406
12.506	1609	385
12.532	1703	434
12.558	1406	475
12.584	1433	386
12.610	1598	352
12.636	1734	304
12.662	2150	408
12.688	1916	492
12.714	1542	472
12.740	1650	512
12.766	1766	322
12.792	1336	445
12.818	1552	334
12.844	1641	373
12.870	1629	395
12.896	1218	288
12.922	1145	509

12.948	1319	485
12.974	1166	492
13.000	1164	452
13.026	1089	320
13.052	1166	485
13.078	1399	319
13.104	1774	381
13.130	1413	462
13.156	1706	401
13.182	1783	458
13.208	2085	348
13.234	1780	340
13.260	1861	363
13.286	1864	249
13.312	1281	378
13.338	1127	386
13.364	1401	356
13.390	1261	443
13.416	973	334
13.442	1510	293
13.468	1470	338
13.494	1856	408
13.520	2067	386
13.546	1831	381
13.572	1117	341
13.598	1411	361
13.624	1539	470
13.650	1678	338
13.676	1709	408
13.702	1677	428
13.728	1178	343
13.754	1583	374
13.780	1672	403
13.806	1213	354
13.832	1324	341
13.858	1396	426
13.884	1746	400
13.910	1784	408
13.936	1768	468
13.962	1787	362
13.988	2024	335
14.014	2057	437
14.040	1438	397
14.066	1908	433
14.092	1871	329
14.118	1617	412
14.144	1720	348
14.170	1783	477
14.196	1533	383
14.222	1755	279

14.248	1524	432
14.274	1574	378
14.300	1255	460
14.326	1546	419
14.352	1618	405
14.378	1598	485
14.404	1703	396
14.430	1618	416
14.456	1601	547
14.482	1499	476
14.508	1653	339
14.534	1138	391
14.560	1655	386
14.586	1802	406
14.612	1381	579
14.638	1233	474
14.664	1075	524
14.690	1119	529
14.716	1037	426
14.742	1411	411
14.768	1468	376
14.794	1221	440
14.820	1101	481
14.846	1347	451
14.872	1515	477
14.898	1134	272
14.924	1307	398
14.950	1672	333
14.976	1713	515
15.002	1635	459
15.028	1472	402
15.054	1089	263
15.080	898	449
15.106	948	377
15.132	1269	391
15.158	1419	455
15.184	1225	420
15.210	1349	462
15.236	1591	629
15.262	1480	306
15.288	1496	454
15.314	1213	488
15.340	1163	418
15.366	1379	544
15.392	1560	467
15.418	1381	393
15.444	1167	365
15.470	926	582
15.496	930	482
15.522	1148	377

15.548	1091	414
15.574	916	481
15.600	963	368
15.626	929	474
15.652	851	408
15.678	1238	458
15.704	922	441
15.730	922	367
15.756	1358	434
15.782	1498	356
15.808	1343	396
15.834	1450	400
15.860	1061	455
15.886	651	399
15.912	1164	467
15.938	934	473
15.964	948	430
15.990	920	444
16.016	991	373
16.042	1413	391
16.068	1004	457
16.094	984	357
16.120	684	471
16.146	840	385
16.172	699	432
16.198	767	354
16.224	913	441
16.250	949	452
16.276	1212	412
16.302	1230	389
16.328	999	375
16.354	873	467
16.380	832	452
16.406	1004	533
16.432	929	411
16.458	1346	387
16.484	1432	467
16.510	935	436
16.536	924	479
16.562	934	404
16.588	883	399
16.614	961	363
16.640	1018	348
16.666	1509	480
16.692	1177	316
16.718	929	483
16.744	1078	562
16.770	1012	421
16.796	1081	466
16.822	989	390

16.848	979	497
16.874	1154	411
16.900	1035	387
16.926	1056	559
16.952	1117	463
16.978	1016	456
17.004	1294	435
17.030	1442	558
17.056	1407	448
17.082	1552	420
17.108	1451	520
17.134	1517	420
17.160	1382	486
17.186	1355	522
17.212	1094	515
17.238	1294	491
17.264	1570	419
17.290	1442	436
17.316	1259	447
17.342	1227	455
17.368	1292	298
17.394	1386	314
17.420	1389	442
17.446	1397	455
17.472	1313	411
17.498	1583	323
17.524	1311	375
17.550	1228	422
17.576	1483	406
17.602	1424	529
17.628	1175	546
17.654	1367	399
17.680	2104	311
17.706	1950	431
17.732	1984	591
17.758	1877	384
17.784	1717	444
17.810	1615	364
17.836	1571	427
17.862	1451	413
17.888	2195	461
17.914	1558	389
17.940	1594	312
17.966	1408	350
17.992	1622	379
18.018	1590	435
18.044	1323	440
18.070	1282	463
18.096	1066	395
18.122	1045	442

18.148	1277	421
18.174	1134	397
18.200	1042	461
18.226	1000	360
18.252	945	417
18.278	1013	410
18.304	984	478
18.330	1404	513
18.356	1160	544
18.382	1210	375
18.408	1155	387
18.434	1263	417
18.460	1052	395
18.486	1502	382
18.512	1321	434
18.538	1351	523
18.564	1016	365
18.590	1220	501
18.616	1154	425
18.642	1161	392
18.668	1709	540
18.694	1476	590
18.720	1514	391
18.746	1466	276
18.772	1174	409
18.798	966	455
18.824	1131	507
18.850	2495	431
18.876	1786	435
18.902	1355	487
18.928	1333	420
18.954	1349	431
18.980	1430	412
19.006	1300	567
19.032	1206	468
19.058	1509	523
19.084	1540	400
19.110	1538	499
19.136	1300	560
19.162	1215	424
19.188	1099	503
19.214	1376	428
19.240	1170	581
19.266	1230	401
19.292	1052	427
19.318	1111	465
19.344	1354	384
19.370	1673	434
19.396	1398	338
19.422	1525	382

19.448	1394	416
19.474	1060	418
19.500	1001	465
19.526	1273	370
19.552	1115	355
19.578	1563	421
19.604	1261	485
19.630	1512	326
19.656	1483	343
19.682	1605	388
19.708	1511	637
19.734	1553	408
19.760	1046	378
19.786	1129	401
19.812	868	476
19.838	724	395
19.864	816	366
19.890	1214	359
19.916	950	446
19.942	1221	477
19.968	1450	503
19.994	1193	506
20.020	1088	418
20.046	1029	577
20.072	852	467
20.098	1236	569
20.124	1415	553
20.150	1359	614
20.176	1053	412
20.202	1129	478
20.228	1456	437
20.254	1194	412
20.280	1162	475
20.306	954	379
20.332	1172	407
20.358	1412	368
20.384	1225	569
20.410	1262	448
20.436	1096	542
20.462	991	435
20.488	1472	388
20.514	1218	501
20.540	1419	527
20.566	1508	488
20.592	1672	460
20.618	1263	574
20.644	1335	427
20.670	1444	455
20.696	1465	314
20.722	1605	420

20.748	1565	517
20.774	1877	436
20.800	2207	424
20.826	2733	470
20.852	2486	338
20.878	2445	340
20.904	2386	446
20.930	1893	539
20.956	3088	347
20.982	2006	426
21.008	2132	379
21.034	2076	363
21.060	2169	451
21.086	1949	465
21.112	1595	446
21.138	1466	499
21.164	1560	409
21.190	1584	331
21.216	1524	365
21.242	1375	393
21.268	1353	315
21.294	1659	348
21.320	1630	464
21.346	1792	389
21.372	1605	350
21.398	1599	431
21.424	1729	418
21.450	1564	503
21.476	2060	449
21.502	2104	544
21.528	2011	417
21.554	2459	458
21.580	2544	449
21.606	2153	416
21.632	2368	400
21.658	2651	411
21.684	3155	380
21.710	3307	420
21.736	2776	424
21.762	2170	487
21.788	2975	422
21.814	3468	420
21.840	2905	338
21.866	2851	402
21.892	2864	414
21.918	2935	299
21.944	2983	472
21.970	2678	452
21.996	2589	329
22.022	2992	492

22.048	2457	467
22.074	2194	373
22.100	2352	330
22.126	2208	387
22.152	2051	318
22.178	1953	474
22.204	1965	403
22.230	1798	378
22.256	2223	338
22.282	1995	408
22.308	1815	464
22.334	2256	367
22.360	1786	437
22.386	1865	514
22.412	1918	407
22.438	1692	471
22.464	1665	505
22.490	1636	475
22.516	2184	507
22.542	2215	493
22.568	1618	313
22.594	1715	402
22.620	1834	323
22.646	1886	461
22.672	1740	462
22.698	1608	398
22.724	1498	448
22.750	1726	471
22.776	1700	402
22.802	1818	397
22.828	1498	417
22.854	1428	449
22.880	1703	488
22.906	1912	373
22.932	1432	473
22.958	1668	454
22.984	1363	389
23.010	1864	319
23.036	1716	349
23.062	1585	313
23.088	1332	477
23.114	1425	392
23.140	968	428
23.166	1663	528
23.192	1353	393
23.218	975	481
23.244	1134	416
23.270	1299	231
23.296	1352	380
23.322	1201	399

23.348	1371	438
23.374	969	376
23.400	1270	390
23.426	1241	445
23.452	1206	377
23.478	1205	441
23.504	1205	336
23.530	954	390
23.556	1130	477
23.582	1096	366
23.608	1126	463
23.634	1148	295
23.660	1029	481
23.686	1238	454
23.712	1221	484
23.738	1259	446
23.764	1023	385
23.790	984	416
23.816	1261	531
23.842	1165	480
23.868	1242	378
23.894	1229	400
23.920	1380	446
23.946	1210	378
23.972	1380	438
23.998	1169	282
24.024	1564	462
24.050	1463	467
24.076	1524	451
24.102	1842	457
24.128	1183	353
24.154	1430	437
24.180	1413	373
24.206	1261	467
24.232	1291	344
24.258	1383	250
24.284	1228	418
24.310	1644	362
24.336	1378	538
24.362	1219	513
24.388	1343	473
24.414	1152	586
24.440	1357	398
24.466	1601	425
24.492	1616	434
24.518	1387	330
24.544	1290	372
24.570	1539	495
24.596	1547	443
24.622	1443	496

24.648	1498	321
24.674	1620	233
24.700	1382	321
24.726	1428	385
24.752	1604	443
24.778	2035	508
24.804	2436	486
24.830	2429	429
24.856	1633	427
24.882	1440	445
24.908	1436	447
24.934	2370	308
24.960	2164	402
24.986	2296	433
25.012	1298	359
25.038	1252	340
25.064	1394	484
25.090	998	324
25.116	1232	361
25.142	1189	528
25.168	1362	397
25.194	1398	414
25.220	1305	344
25.246	1025	354
25.272	1355	375
25.298	1904	337
25.324	1180	463
25.350	947	246
25.376	908	368
25.402	1450	480
25.428	1345	430
25.454	1390	366
25.480	1860	380
25.506	1942	352
25.532	1744	348
25.558	1824	470
25.584	2205	396
25.610	2521	386
25.636	1811	355
25.662	1656	356
25.688	1569	434
25.714	1402	449
25.740	1158	302
25.766	1572	454
25.792	1307	383
25.818	1636	507
25.844	1510	441
25.870	1289	446
25.896	1260	539
25.922	1507	430

25.948	1303	481
25.974	1073	413
26.000	1256	365
26.026	1529	370
26.052	1625	439
26.078	1258	460
26.104	1164	467
26.130	1342	430
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26.208	1674	499
26.234	1217	464
26.260	1514	312
26.286	1391	533
26.312	1685	436
26.338	1379	481
26.364	1541	364
26.390	1787	551
26.416	1248	485
26.442	1181	381
26.468	1087	410
26.494	2069	415
26.520	1695	391
26.546	1242	332
26.572	1602	312
26.598	1681	422
26.624	1565	405
26.650	1512	291
26.676	1374	344
26.702	1655	369
26.728	1923	462
26.754	1865	421
26.780	1990	355
26.806	2248	327
26.832	2383	367
26.858	2482	379
26.884	2395	386
26.910	2505	376
26.936	2649	568
26.962	3147	457
26.988	3237	391
27.014	4116	494
27.040	3958	346
27.066	3533	424
27.092	3343	347
27.118	3381	487
27.144	3821	423
27.170	3406	453
27.196	2704	455
27.222	2872	399

27.248	1961	312
27.274	1991	524
27.300	2010	459
27.326	2239	422
27.352	2739	553
27.378	2783	485
27.404	1892	509
27.430	1747	530
27.456	1610	369
27.482	1792	340
27.508	1756	369
27.534	2011	501
27.560	1388	536
27.586	983	481
27.612	1292	390
27.638	1320	408
27.664	1242	446
27.690	1060	513
27.716	1479	420
27.742	1830	457
27.768	1323	341
27.794	1174	353
27.820	1422	444
27.846	1283	363
27.872	1434	473
27.898	1365	390
27.924	1324	564
27.950	1537	533
27.976	1177	469
28.002	1443	437
28.028	1103	412
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28.080	1525	583
28.106	1722	439
28.132	2058	502
28.158	1905	558
28.184	1584	357
28.210	1430	400
28.236	1518	323
28.262	2669	479
28.288	2553	394
28.314	2736	348
28.340	2833	585
28.366	2099	336
28.392	1699	483
28.418	1885	411
28.444	1655	453
28.470	1890	433
28.496	2304	365
28.522	1983	392

28.548	2849	499
28.574	2894	514
28.600	2222	452
28.626	1920	387
28.652	2018	387
28.678	2181	307
28.704	2542	423
28.730	2665	297
28.756	2463	396
28.782	2279	371
28.808	2443	369
28.834	2364	292
28.860	2223	452
28.886	1837	419
28.912	1492	503
28.938	1735	418
28.964	1929	431
28.990	1717	406
29.016	1546	458
29.042	1144	474
29.068	1479	446
29.094	1179	431
29.120	1100	390
29.146	1205	356
29.172	1023	471
29.198	1592	412
29.224	1485	518
29.250	1528	437
29.276	1762	404
29.302	1252	494
29.328	1127	375
29.354	1248	412
29.380	1511	337
29.406	1113	430
29.432	1639	499
29.458	1652	287
29.484	1510	310
29.510	1354	354
29.536	1469	416
29.562	1959	369
29.588	1908	469
29.614	2388	554
29.640	2406	444
29.666	2020	412
29.692	2338	339
29.718	1899	440
29.744	1578	473
29.770	1430	467
29.796	1573	450
29.822	1362	347

29.848	1190	604
29.874	944	379
29.900	1030	611
29.926	1077	482
29.952	1064	478
29.978	1170	429
30.004	1484	410
30.030	1063	497
30.056	1132	522
30.082	1140	384
30.108	1008	574
30.134	1182	384
30.160	1431	452
30.186	1470	558
30.212	1858	416
30.238	1568	499
30.264	1752	504
30.290	1751	386
30.316	1733	372
30.342	1525	364
30.368	1226	524
30.394	1610	404
30.420	1346	352
30.446	1468	540
30.472	1470	488
30.498	1522	469
30.524	1405	366
30.550	1291	474
30.576	1662	360
30.602	1155	439
30.628	1083	494
30.654	1285	375
30.680	1551	559
30.706	1420	362
30.732	992	421
30.758	1105	501
30.784	1084	362
30.810	884	440
30.836	1322	447
30.862	1179	431
30.888	1501	450
30.914	1659	459
30.940	1503	491
30.966	1613	469
30.992	1725	532
31.018	1783	495
31.044	1709	375
31.070	1516	540
31.096	1549	439
31.122	1433	521

31.148	1429	499
31.174	1213	463
31.200	1277	688
31.226	1500	508
31.252	1621	540
31.278	1603	506
31.304	1596	429
31.330	1617	379
31.356	1464	449
31.382	1149	370
31.408	1243	531
31.434	1317	386
31.460	1208	478
31.486	1393	405
31.512	1984	393
31.538	1757	428
31.564	1765	461
31.590	2242	345
31.616	2910	430
31.642	2829	391
31.668	2254	286
31.694	3076	395
31.720	2823	285
31.746	2048	430
31.772	1657	375
31.798	1735	410
31.824	1718	352
31.850	1380	420
31.876	1245	442
31.902	1427	405
31.928	1130	363
31.954	1128	465
31.980	1055	449
32.006	1124	514
32.032	1174	487
32.058	1193	356
32.084	1478	498
32.110	1360	446
32.136	1041	515
32.162	888	331
32.188	955	538
32.214	719	394
32.240	539	479
32.266	1018	569
32.292	1242	503
32.318	1526	500
32.344	1509	394
32.370	1319	449
32.396	787	496
32.422	1270	420

32.448	1270	571
32.474	1403	453
32.500	1022	464
32.526	1127	581
32.552	1035	339
32.578	1141	464
32.604	1136	390
32.630	1260	475
32.656	2009	414
32.682	1732	453
32.708	1627	339
32.734	1797	460
32.760	1515	469
32.786	1387	357
32.812	1589	331
32.838	1494	503
32.864	1164	484
32.890	1200	384
32.916	1148	462
32.942	1563	459
32.968	1895	339
32.994	2366	373
33.020	2379	288
33.046	2446	362
33.072	2092	456
33.098	1868	396
33.124	2490	276
33.150	1768	531
33.176	1502	474
33.202	1938	387
33.228	2905	241
33.254	3290	408
33.280	3044	415
33.306	2377	231
33.332	2774	323
33.358	2776	350
33.384	2023	461
33.410	1993	298
33.436	1890	383
33.462	2051	328
33.488	1863	401
33.514	1643	305
33.540	1820	408
33.566	1682	364
33.592	1755	337
33.618	2002	515
33.644	1363	430
33.670	1537	311
33.696	1327	437
33.722	1341	398

33.748	1514	424
33.774	1801	285
33.800	1446	454
33.826	1204	421
33.852	974	557
33.878	1075	432
33.904	1204	569
33.930	1061	430
33.956	1286	398
33.982	1425	429
34.008	1129	398
34.034	1203	551
34.060	1503	485
34.086	1367	481
34.112	1311	256
34.138	1521	421
34.164	1645	462
34.190	1414	402
34.216	1752	349
34.242	1541	414
34.268	1558	498
34.294	1476	392
34.320	1462	408
34.346	1527	375
34.372	1555	280
34.398	1357	498
34.424	1253	401
34.450	1533	524
34.476	1340	342
34.502	1736	411
34.528	1345	430
34.554	1429	441
34.580	1516	461
34.606	1493	444
34.632	1501	516
34.658	1082	458
34.684	1131	304
34.710	1248	460
34.736	1186	371
34.762	1444	496
34.788	1131	424
34.814	1562	359
34.840	1461	496
34.866	1417	432
34.892	1626	495
34.918	1905	506
34.944	1841	523
34.970	2179	385
34.996	2705	361
35.022	2967	442

35.048	2891	388
35.074	2737	491
35.100	2271	446
35.126	1853	437
35.152	2240	511
35.178	2496	527
35.204	1998	407
35.230	2152	474
35.256	1809	383
35.282	1862	462
35.308	2056	384
35.334	1788	358
35.360	2090	397
35.386	1990	447
35.412	1869	495
35.438	1590	411
35.464	1601	315
35.490	1225	348
35.516	1428	458
35.542	1728	522
35.568	1460	349
35.594	1649	383
35.620	1359	297
35.646	1266	469
35.672	1297	407
35.698	1275	436
35.724	1273	494
35.750	1470	534
35.776	1461	450
35.802	1273	443
35.828	1683	472
35.854	1601	379
35.880	1448	657
35.906	1752	544
35.932	1817	441
35.958	1568	467
35.984	1659	469
36.010	1717	429
36.036	1712	423
36.062	1379	363
36.088	1267	378
36.114	1215	370
36.140	1610	413
36.166	1621	375
36.192	1496	424
36.218	1463	509
36.244	1441	461
36.270	1352	567
36.296	1143	470
36.322	1181	421

36.348	1126	500
36.374	1544	412
36.400	1451	442
36.426	1169	470
36.452	1786	417
36.478	1323	561
36.504	1195	407
36.530	1482	460
36.556	1523	407
36.582	2191	496
36.608	2879	461
36.634	4115	309
36.660	4087	581
36.686	4677	506
36.712	4273	475
36.738	3703	495
36.764	3831	487
36.790	3092	424
36.816	2506	302
36.842	2340	402
36.868	2450	329
36.894	2335	490
36.920	2532	375
36.946	2191	446
36.972	2294	430
36.998	3508	285
37.024	3054	398
37.050	3536	353
37.076	3392	391
37.102	2566	473
37.128	2262	427
37.154	2125	424
37.180	2284	308
37.206	2375	419
37.232	2262	545
37.258	2207	424
37.284	2064	438
37.310	1734	571
37.336	2261	481
37.362	2500	466
37.388	2228	435
37.414	1999	444
37.440	2411	360
37.466	2977	412
37.492	2754	459
37.518	3310	366
37.544	3096	514
37.570	2629	399
37.596	2341	448
37.622	2159	437

37.648	2004	394
37.674	2099	500
37.700	1743	327
37.726	1587	473
37.752	1670	457
37.778	1640	481
37.804	1544	366
37.830	1462	487
37.856	1718	405
37.882	1865	416
37.908	1392	481
37.934	1400	436
37.960	1379	485
37.986	1363	472
38.012	1669	379
38.038	1713	487
38.064	2156	562
38.090	1695	562
38.116	1899	598
38.142	1650	638
38.168	1509	522
38.194	1458	573
38.220	1663	514
38.246	1635	529
38.272	1356	444
38.298	1136	497
38.324	1239	438
38.350	1483	524
38.376	1990	544
38.402	1543	515
38.428	1797	416
38.454	2547	529
38.480	2447	412
38.506	2330	432
38.532	1766	578
38.558	1532	524
38.584	1591	440
38.610	1585	477
38.636	1837	435
38.662	1941	420
38.688	2681	444
38.714	2453	490
38.740	2966	383
38.766	3865	372
38.792	5165	414
38.818	6863	458
38.844	7688	426
38.870	8330	426
38.896	6462	483
38.922	5664	378

38.948	3601	501
38.974	2790	460
39.000	2537	561
39.026	2757	393
39.052	1877	508
39.078	2036	502
39.104	2367	440
39.130	2573	466
39.156	2262	465
39.182	2080	725
39.208	1609	567
39.234	1298	442
39.260	1632	517
39.286	1626	407
39.312	1797	548
39.338	1412	489
39.364	1118	500
39.390	1426	448
39.416	1551	436
39.442	1573	589
39.468	1665	524
39.494	1595	476
39.520	1411	546
39.546	1563	424
39.572	1470	521
39.598	1399	411
39.624	1297	443
39.650	1419	627
39.676	1390	468
39.702	1729	459
39.728	1507	592
39.754	2028	558
39.780	2118	462
39.806	1952	620
39.832	2066	538
39.858	2115	440
39.884	2614	419
39.910	3403	528
39.936	3551	544
39.962	3218	330
39.988	3059	473
40.014	2599	516
40.040	2919	455
40.066	2047	553
40.092	2016	497
40.118	1866	517
40.144	1706	554
40.170	1934	387
40.196	1897	373
40.222	1804	491

40.248	1705	475
40.274	1681	516
40.300	1661	386
40.326	1340	467
40.352	1310	468
40.378	1573	402
40.404	1595	405
40.430	1452	457
40.456	1459	500
40.482	1594	458
40.508	1425	433
40.534	1655	409
40.560	1116	491
40.586	1179	522
40.612	1364	459
40.638	1467	472
40.664	1300	613
40.690	1092	432
40.716	1325	493
40.742	1136	402
40.768	1195	436
40.794	1110	464
40.820	1569	523
40.846	1259	433
40.872	1083	585
40.898	1541	526
40.924	1270	580
40.950	1009	491
40.976	1466	457
41.002	1156	438
41.028	1210	457
41.054	1399	479
41.080	1517	408
41.106	1720	419
41.132	1819	525
41.158	2084	403
41.184	1679	486
41.210	1659	374
41.236	1429	398
41.262	1272	436
41.288	1715	494
41.314	1311	450
41.340	1379	501
41.366	1541	338
41.392	1842	426
41.418	1427	462
41.444	1685	400
41.470	1752	410
41.496	1848	513
41.522	1552	477

41.548	1035	488
41.574	1345	433
41.600	1290	598
41.626	1569	552
41.652	1616	517
41.678	1371	476
41.704	1364	382
41.730	1375	492
41.756	1378	490
41.782	1422	327
41.808	1401	479
41.834	1662	363
41.860	1341	429
41.886	1355	477
41.912	1435	458
41.938	1547	460
41.964	1130	433
41.990	1462	436
42.016	1546	365
42.042	1623	430
42.068	1577	339
42.094	1740	531
42.120	1421	445
42.146	1197	530
42.172	1124	570
42.198	1151	548
42.224	1176	424
42.250	1347	354
42.276	1116	499
42.302	1063	490
42.328	1100	478
42.354	1009	475
42.380	1455	421
42.406	958	352
42.432	1016	476
42.458	1463	453
42.484	1346	483
42.510	1246	478
42.536	1153	402
42.562	1179	520
42.588	973	499
42.614	1476	479
42.640	1334	409
42.666	1455	543
42.692	1564	527
42.718	1473	541
42.744	1690	586
42.770	1599	422
42.796	1688	427
42.822	1674	486

42.848	2413	407
42.874	3042	467
42.900	2132	383
42.926	2021	383
42.952	2228	382
42.978	2229	453
43.004	2071	440
43.030	2308	231
43.056	2081	427
43.082	1847	431
43.108	2167	567
43.134	1890	457
43.160	1432	382
43.186	1230	388
43.212	1566	418
43.238	1805	525
43.264	1372	520
43.290	970	469
43.316	1214	380
43.342	1227	507
43.368	1211	404
43.394	1046	370
43.420	960	312
43.446	1148	446
43.472	1290	444
43.498	1340	473
43.524	1342	400
43.550	1134	383
43.576	1118	396
43.602	1153	513
43.628	1043	384
43.654	805	313
43.680	885	434
43.706	823	309
43.732	739	490
43.758	936	376
43.784	1342	368
43.810	1482	370
43.836	1302	482
43.862	784	454
43.888	895	426
43.914	913	335
43.940	1034	424
43.966	1310	490
43.992	1352	396
44.018	1505	471
44.044	1452	392
44.070	2145	480
44.096	2209	384
44.122	2209	404

44.148	2387	400
44.174	2750	509
44.200	2185	309
44.226	1794	335
44.252	1588	416
44.278	1471	414
44.304	1048	327
44.330	1265	462
44.356	1278	420
44.382	1202	582
44.408	1269	448
44.434	883	394
44.460	1079	375
44.486	879	461
44.512	996	392
44.538	1203	422
44.564	1099	524
44.590	994	544
44.616	955	451
44.642	978	395
44.668	794	359
44.694	756	379
44.720	693	281
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44.772	823	510
44.798	750	382
44.824	1033	490
44.850	1008	401
44.876	943	482
44.902	905	352
44.928	895	451
44.954	1065	567
44.980	895	506
45.006	905	624
45.032	823	531
45.058	1003	628
45.084	1274	467
45.110	981	451
45.136	1099	458
45.162	921	584
45.188	1148	474
45.214	1466	523
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45.266	1147	552
45.292	1089	502
45.318	1303	505
45.344	1402	411
45.370	1246	455
45.396	1027	541
45.422	1143	515

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45.474	1071	508
45.500	1045	431
45.526	996	454
45.552	1048	517
45.578	891	466
45.604	970	352
45.630	1144	375
45.656	881	527
45.682	1495	536
45.708	1418	635
45.734	1086	503
45.760	900	523
45.786	1041	543
45.812	1244	599
45.838	1015	582
45.864	1442	605
45.890	1330	508
45.916	1306	515
45.942	1388	501
45.968	1525	532
45.994	1547	454
46.020	1095	354
46.046	1213	489
46.072	1059	441
46.098	986	382
46.124	1377	442
46.150	1336	568
46.176	1241	497
46.202	1362	389
46.228	1401	437
46.254	2159	428
46.280	2186	467
46.306	1830	506
46.332	1708	607
46.358	1481	472
46.384	1847	461
46.410	1588	551
46.436	1535	479
46.462	1544	355
46.488	2007	631
46.514	2049	350
46.540	1800	445
46.566	1722	558
46.592	1664	413
46.618	1360	494
46.644	1429	367
46.670	1282	489
46.696	1243	494
46.722	1179	554

46.748	1115	418
46.774	1491	476
46.800	1435	458
46.826	1352	516
46.852	1682	481
46.878	1317	511
46.904	1308	501
46.930	1471	365
46.956	1343	468
46.982	1163	616
47.008	1192	530
47.034	1244	463
47.060	1216	359
47.086	963	578
47.112	1223	461
47.138	1428	522
47.164	1467	527
47.190	1312	457
47.216	1451	450
47.242	1375	324
47.268	1585	539
47.294	1342	529
47.320	1475	437
47.346	1797	722
47.372	1517	499
47.398	1124	363
47.424	1190	575
47.450	1283	623
47.476	1422	490
47.502	1380	463
47.528	1433	621
47.554	1466	461
47.580	1638	519
47.606	1981	565
47.632	2750	663
47.658	3377	412
47.684	3516	342
47.710	4298	365
47.736	5160	423
47.762	4574	419
47.788	3712	551
47.814	3411	405
47.840	3095	450
47.866	2802	502
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47.944	3311	324
47.970	3622	341
47.996	3145	349
48.022	2708	381

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48.178	1975	452
48.204	1963	497
48.230	1787	369
48.256	1509	365
48.282	1620	451
48.308	1646	379
48.334	1646	514
48.360	1905	407
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48.412	2075	502
48.438	1950	478
48.464	2020	513
48.490	2195	408
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48.542	2410	474
48.568	3026	500
48.594	2587	439
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48.646	2759	626
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48.802	2235	559
48.828	2576	558
48.854	2350	495
48.880	2366	591
48.906	2195	568
48.932	1657	555
48.958	1417	528
48.984	1417	482
49.010	1415	645
49.036	1729	487
49.062	1524	555
49.088	1626	611
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49.140	1696	501
49.166	1341	515
49.192	1413	524
49.218	1643	450
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49.270	1527	596
49.296	1463	451
49.322	1364	534

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49.400	1342	547
49.426	1660	459
49.452	1442	453
49.478	1408	482
49.504	1169	515
49.530	1303	646
49.556	1430	512
49.582	1627	620
49.608	1594	481
49.634	1358	542
49.660	1100	545
49.686	1107	508
49.712	1048	509
49.738	833	494
49.764	884	389
49.790	1233	428
49.816	1045	362
49.842	883	465
49.868	981	355
49.894	888	448
49.920	713	418
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49.972	1159	589
49.998	1239	436
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50.102	1542	481
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50.154	1091	533
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50.284	1262	445
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50.336	738	513
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50.388	907	550
50.414	1185	384
50.440	1026	497
50.466	1225	372
50.492	1406	506
50.518	1270	531
50.544	1390	347
50.570	870	425
50.596	1495	414
50.622	882	361

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50.726	886	421
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50.778	725	392
50.804	734	357
50.830	1229	431
50.856	1521	402
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50.934	1070	389
50.960	1286	584
50.986	1299	494
51.012	1193	405
51.038	1334	334
51.064	1881	440
51.090	1453	446
51.116	1242	534
51.142	1150	364
51.168	1687	445
51.194	1155	432
51.220	926	474
51.246	1102	504
51.272	1095	385
51.298	1175	536
51.324	954	418
51.350	1278	396
51.376	1080	375
51.402	1255	439
51.428	1459	400
51.454	1402	415
51.480	1425	427
51.506	1134	419
51.532	1256	377
51.558	1244	433
51.584	1191	457
51.610	993	442
51.636	1147	564
51.662	885	361
51.688	821	404
51.714	791	570
51.740	862	507
51.766	857	492
51.792	955	369
51.818	756	391
51.844	723	413
51.870	951	412
51.896	802	472
51.922	1130	555

51.948	1176	380
51.974	919	430
52.000	912	446
52.026	894	417
52.052	690	533
52.078	839	308
52.104	960	510
52.130	782	422
52.156	856	443
52.182	694	490
52.208	907	535
52.234	859	398
52.260	1012	523
52.286	1180	456
52.312	1068	485
52.338	755	364
52.364	747	515
52.390	827	629
52.416	849	322
52.442	859	404
52.468	828	433
52.494	956	371
52.520	875	390
52.546	886	456
52.572	876	461
52.598	928	409
52.624	919	375
52.650	1269	518
52.676	1115	493
52.702	971	433
52.728	939	538
52.754	641	450
52.780	877	623
52.806	1030	498
52.832	898	367
52.858	688	416
52.884	941	450
52.910	987	422
52.936	1218	486
52.962	1041	495
52.988	841	289
53.014	911	382
53.040	774	459
53.066	898	331
53.092	1127	429
53.118	882	256
53.144	725	531
53.170	964	500
53.196	901	379
53.222	1185	397

53.248	1017	419
53.274	975	377
53.300	1028	506
53.326	1055	394
53.352	1295	544
53.378	1171	454
53.404	935	472
53.430	949	487
53.456	842	493
53.482	1184	520
53.508	1063	411
53.534	1221	419
53.560	1259	536
53.586	1245	524
53.612	1010	437
53.638	1185	493
53.664	1156	562
53.690	967	343
53.716	1060	564
53.742	1213	571
53.768	1277	366
53.794	1184	338
53.820	1149	470
53.846	1109	534
53.872	954	377
53.898	1188	474
53.924	659	402
53.950	737	457
53.976	982	310
54.002	970	446
54.028	953	517
54.054	1040	542
54.080	1089	432
54.106	1131	392
54.132	975	421
54.158	995	500
54.184	1166	555
54.210	1121	485
54.236	976	449
54.262	878	517
54.288	958	374
54.314	950	558
54.340	1246	375
54.366	964	477
54.392	1153	410
54.418	1100	556
54.444	988	408
54.470	961	514
54.496	1092	474
54.522	1307	391

54.548	1259	531
54.574	817	407
54.600	1012	514
54.626	1006	456
54.652	1047	596
54.678	978	615
54.704	716	493
54.730	808	513
54.756	1260	305
54.782	968	473
54.808	988	406
54.834	835	487
54.860	1234	350
54.886	1231	432
54.912	993	429
54.938	1032	364
54.964	1174	367
54.990	1234	256
55.016	1067	341
55.042	864	396
55.068	1123	407
55.094	1157	489
55.120	986	376
55.146	1156	429
55.172	1180	437
55.198	1214	522
55.224	1300	485
55.250	1212	260
55.276	1410	436
55.302	1260	472
55.328	1138	264
55.354	766	473
55.380	776	349
55.406	894	239
55.432	980	360
55.458	964	358
55.484	1165	345
55.510	1012	468
55.536	1054	353
55.562	1249	487
55.588	1519	454
55.614	1527	400
55.640	2003	455
55.666	1773	380
55.692	1545	356
55.718	1576	500
55.744	1647	365
55.770	1361	557
55.796	1452	346
55.822	1356	359

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55.874	1073	489
55.900	1200	472
55.926	913	437
55.952	1010	391
55.978	1075	383
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56.030	1033	442
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56.134	1167	410
56.160	1027	435
56.186	1149	442
56.212	1145	494
56.238	1071	423
56.264	1016	415
56.290	1101	425
56.316	1540	504
56.342	1707	530
56.368	1465	284
56.394	1305	465
56.420	1266	357
56.446	1076	328
56.472	1197	453
56.498	1597	352
56.524	1297	308
56.550	1286	514
56.576	1362	594
56.602	1307	525
56.628	1458	446
56.654	1513	504
56.680	1312	501
56.706	1364	398
56.732	938	600
56.758	916	633
56.784	1087	365
56.810	1415	526
56.836	1087	502
56.862	1258	425
56.888	1321	583
56.914	1169	486
56.940	1258	547
56.966	1074	576
56.992	1066	517
57.018	1150	536
57.044	1170	522
57.070	992	365
57.096	1103	386
57.122	952	621

57.148	1134	591
57.174	1377	529
57.200	1226	411
57.226	1352	379
57.252	1221	656
57.278	1112	421
57.304	1301	441
57.330	1377	383
57.356	1635	389
57.382	1639	503
57.408	1436	347
57.434	1681	563
57.460	1553	484
57.486	1454	370
57.512	1592	446
57.538	1449	549
57.564	1592	507
57.590	1389	364
57.616	1438	434
57.642	1278	571
57.668	1230	424
57.694	1009	396
57.720	1356	418
57.746	1519	340
57.772	1761	463
57.798	1560	475
57.824	1501	295
57.850	1664	456
57.876	1564	361
57.902	1419	439
57.928	1516	494
57.954	1491	502
57.980	1295	582
58.006	1101	428
58.032	1308	291
58.058	1596	476
58.084	1263	470
58.110	1135	400
58.136	1125	595
58.162	1303	505
58.188	1051	594
58.214	1053	453
58.240	1231	676
58.266	1138	327
58.292	1161	385
58.318	1156	530
58.344	1049	405
58.370	1052	507
58.396	1049	467
58.422	1184	471

58.448	1136	588
58.474	1253	531
58.500	1233	392
58.526	1116	570
58.552	1093	592
58.578	1017	486
58.604	1158	479
58.630	1427	378
58.656	1047	488
58.682	1033	524
58.708	979	480
58.734	1049	387
58.760	1248	374
58.786	1218	471
58.812	1098	322
58.838	976	432
58.864	1164	535
58.890	1231	401
58.916	1232	430
58.942	1244	379
58.968	850	385
58.994	1289	488
59.020	1285	363
59.046	1124	442
59.072	980	433
59.098	989	367
59.124	1234	501
59.150	1532	282
59.176	1267	433
59.202	1205	300
59.228	1326	471
59.254	1062	447
59.280	1504	424
59.306	1408	412
59.332	1299	525
59.358	1299	419
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59.410	999	358
59.436	1159	390
59.462	1260	436
59.488	1507	420
59.514	1226	701
59.540	962	471
59.566	1546	525
59.592	1160	447
59.618	1155	567
59.644	1060	470
59.670	1090	436
59.696	972	564
59.722	1010	535

59.748	1090	565
59.774	1089	582
59.800	1035	603
59.826	1028	448
59.852	949	495
59.878	974	442
59.904	1198	461
59.930	1155	328
59.956	1065	498
59.982	1503	511
60.008	1230	348
60.034	1150	471
60.060	925	349
60.086	923	518
60.112	1162	494
60.138	863	481
60.164	782	430
60.190	738	398
60.216	1052	402
60.242	980	587
60.268	1160	533
60.294	966	573
60.320	1013	492
60.346	1012	435
60.372	928	374
60.398	941	512
60.424	1180	461
60.450	959	531
60.476	825	427
60.502	911	444
60.528	728	346
60.554	827	482
60.580	968	527
60.606	929	455
60.632	1118	417
60.658	1017	431
60.684	1189	423
60.710	879	448
60.736	899	539
60.762	923	403
60.788	946	521
60.814	705	405
60.840	1068	519
60.866	1126	573
60.892	1077	555
60.918	901	487
60.944	1020	457
60.970	994	437
60.996	981	444
61.022	914	503

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61.074	1172	566
61.100	1149	430
61.126	1198	573
61.152	1279	588
61.178	935	491
61.204	716	534
61.230	844	579
61.256	931	537
61.282	789	418
61.308	863	631
61.334	952	599
61.360	1131	437
61.386	1268	385
61.412	1183	535
61.438	908	515
61.464	1330	404
61.490	1437	451
61.516	1490	510
61.542	2132	518
61.568	1911	367
61.594	1964	673
61.620	1679	334
61.646	1835	419
61.672	1296	509
61.698	1335	367
61.724	1415	449
61.750	1257	333
61.776	1190	433
61.802	998	395
61.828	1228	359
61.854	1547	347
61.880	1370	440
61.906	1163	285
61.932	1137	318
61.958	1115	385
61.984	1439	467
62.010	1299	423
62.036	1169	441
62.062	1230	357
62.088	1446	415
62.114	1248	584
62.140	1035	305
62.166	1116	531
62.192	1142	448
62.218	839	472
62.244	1208	444
62.270	1118	431
62.296	896	459
62.322	1035	458

62.348	1168	464
62.374	1259	439
62.400	1057	441
62.426	1092	303
62.452	715	557
62.478	822	466
62.504	1153	442
62.530	830	464
62.556	1036	467
62.582	851	429
62.608	781	419
62.634	774	446
62.660	952	537
62.686	938	460
62.712	966	512
62.738	1131	503
62.764	941	285
62.790	1235	391
62.816	1103	369
62.842	921	406
62.868	1326	422
62.894	1396	469
62.920	1446	363
62.946	1537	534
62.972	1422	521
62.998	1349	413
63.024	1119	467
63.050	1298	400
63.076	1420	453
63.102	1751	449
63.128	1840	426
63.154	1641	533
63.180	1623	527
63.206	2009	577
63.232	2496	591
63.258	2245	397
63.284	2491	389
63.310	2268	437
63.336	2534	397
63.362	2050	290
63.388	1982	450
63.414	1951	556
63.440	1867	401
63.466	1618	415
63.492	1290	504
63.518	1217	446
63.544	1218	452
63.570	1285	426
63.596	1601	601
63.622	1036	260

63.648	1161	491
63.674	1027	393
63.700	1246	523
63.726	1264	358
63.752	1600	325
63.778	1231	434
63.804	951	528
63.830	1226	300
63.856	1318	411
63.882	1253	222
63.908	1023	453
63.934	983	440
63.960	1469	412
63.986	1398	605
64.012	1297	351
64.038	1551	557
64.064	1450	399
64.090	1196	483
64.116	1268	462
64.142	1326	500
64.168	1665	544
64.194	1687	526
64.220	1340	539
64.246	1451	566
64.272	1644	456
64.298	2061	466
64.324	1604	517
64.350	1814	487
64.376	1629	501
64.402	1658	413
64.428	1917	605
64.454	2120	399
64.480	2176	434
64.506	1671	318
64.532	1225	387
64.558	2178	349
64.584	1863	455
64.610	1711	462
64.636	1866	366
64.662	1625	362
64.688	1691	468
64.714	1695	477
64.740	1883	560
64.766	2221	495
64.792	1779	319
64.818	1700	382
64.844	1727	467
64.870	1797	411
64.896	1533	412
64.922	1740	445

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64.974	1640	457
65.000	1582	512
65.026	1375	495
65.052	1384	502
65.078	1817	340
65.104	1355	542
65.130	977	450
65.156	1231	509
65.182	1068	436
65.208	1010	462
65.234	1120	377
65.260	1133	558
65.286	1073	534
65.312	1109	529
65.338	953	558
65.364	923	525
65.390	910	504
65.416	897	503
65.442	1094	517
65.468	845	373
65.494	917	524
65.520	1128	519
65.546	1449	476
65.572	1215	481
65.598	1322	496
65.624	964	494
65.650	1030	522
65.676	909	364
65.702	1035	632
65.728	766	394
65.754	932	577
65.780	937	250
65.806	1063	483
65.832	994	431
65.858	917	458
65.884	1115	499
65.910	996	487
65.936	1180	515
65.962	1268	436
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66.040	957	391
66.066	990	455
66.092	928	522
66.118	860	466
66.144	818	500
66.170	970	565
66.196	955	401
66.222	903	550

66.248	1009	585
66.274	909	493
66.300	832	523
66.326	882	619
66.352	1060	463
66.378	937	539
66.404	675	499
66.430	838	469
66.456	856	576
66.482	1138	476
66.508	993	416
66.534	948	406
66.560	597	531
66.586	880	517
66.612	913	452
66.638	838	498
66.664	953	415
66.690	979	466
66.716	882	476
66.742	899	460
66.768	783	441
66.794	756	497
66.820	725	380
66.846	733	423
66.872	507	454
66.898	665	488
66.924	837	356
66.950	1003	461
66.976	1310	462
67.002	1106	429
67.028	1058	431
67.054	1186	374
67.080	1087	351
67.106	1104	492
67.132	1094	317
67.158	1067	387
67.184	953	528
67.210	914	494
67.236	987	587
67.262	1132	487
67.288	1129	461
67.314	1110	535
67.340	1096	422
67.366	1644	459
67.392	1230	509
67.418	838	472
67.444	879	499
67.470	1246	409
67.496	993	413
67.522	1255	517

67.548	1253	481
67.574	1194	445
67.600	1255	499
67.626	1120	550
67.652	1349	434
67.678	969	449
67.704	1197	449
67.730	995	489
67.756	1242	520
67.782	1337	413
67.808	1072	473
67.834	874	435
67.860	977	488
67.886	1006	519
67.912	552	451
67.938	797	444
67.964	1042	390
67.990	804	565
68.016	929	451
68.042	808	515
68.068	916	542
68.094	902	350
68.120	1076	475
68.146	1260	392
68.172	1135	532
68.198	1156	358
68.224	1242	521
68.250	1651	498
68.276	1222	609
68.302	1032	483
68.328	1485	507
68.354	1132	524
68.380	1125	431
68.406	1057	569
68.432	1192	401
68.458	1072	436
68.484	1097	483
68.510	1149	454
68.536	1450	543
68.562	1234	483
68.588	1068	370
68.614	1196	571
68.640	1126	472
68.666	1247	544
68.692	1286	430
68.718	1153	450
68.744	974	466
68.770	1377	509
68.796	1123	629
68.822	1049	426

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69.160	1055	390
69.186	977	404
69.212	1052	445
69.238	818	395
69.264	737	432
69.290	944	422
69.316	746	398
69.342	901	464
69.368	857	415
69.394	673	373
69.420	616	421
69.446	918	372
69.472	663	413
69.498	752	468
69.524	666	443
69.550	586	411
69.576	851	483
69.602	914	402
69.628	1179	380
69.654	864	317
69.680	883	464
69.706	1181	390
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69.992	1137	613
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70.538	881	500
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70.590	655	489
70.616	582	556
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70.980	1041	622
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71.032	887	575
71.058	935	508
71.084	955	439
71.110	1190	318
71.136	1245	422
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71.422	1011	423

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71.552	1376	437
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71.604	1368	578
71.630	1217	386
71.656	1295	434
71.682	1129	521
71.708	903	417
71.734	911	505
71.760	1164	374
71.786	1022	570
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71.864	784	546
71.890	1441	341
71.916	1651	405
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71.968	1847	460
71.994	1802	361
72.020	1498	464
72.046	1391	448
72.072	1470	486
72.098	1284	512
72.124	983	465
72.150	1054	533
72.176	1526	505
72.202	1346	421
72.228	972	539
72.254	838	439
72.280	792	483
72.306	1045	398
72.332	1496	388
72.358	1441	520
72.384	1248	483
72.410	903	434
72.436	793	395
72.462	607	465
72.488	1069	372
72.514	1079	429
72.540	1173	475
72.566	1233	570
72.592	1277	466
72.618	1128	386
72.644	1404	462
72.670	1370	414
72.696	1393	303
72.722	1074	462

72.748	1392	302
72.774	1736	315
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72.826	1076	577
72.852	1359	427
72.878	866	481
72.904	850	504
72.930	846	407
72.956	983	518
72.982	1045	512
73.008	994	452
73.034	1138	385
73.060	984	329
73.086	1033	423
73.112	1055	478
73.138	1264	490
73.164	1060	398
73.190	1016	479
73.216	1171	443
73.242	1388	356
73.268	1008	392
73.294	1042	303
73.320	1400	492
73.346	852	484
73.372	1095	423
73.398	1096	464
73.424	1097	437
73.450	1125	436
73.476	1230	524
73.502	1084	506
73.528	1140	405
73.554	1392	420
73.580	1381	453
73.606	1187	425
73.632	1267	541
73.658	1006	482
73.684	1229	588
73.710	1613	575
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73.840	1669	376
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73.970	1766	435
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74.022	1324	464

74.048	903	489
74.074	1087	435
74.100	1298	536
74.126	1056	542
74.152	703	509
74.178	1011	488
74.204	936	423
74.230	768	532
74.256	682	515
74.282	872	373
74.308	916	453
74.334	948	424
74.360	1338	331
74.386	1099	287
74.412	1277	399
74.438	1087	385
74.464	1031	451
74.490	845	412
74.516	931	377
74.542	1058	452
74.568	753	436
74.594	974	392
74.620	972	358
74.646	939	443
74.672	1069	474
74.698	1284	444
74.724	1069	487
74.750	990	407
74.776	1121	363
74.802	1029	417
74.828	1096	489
74.854	697	548
74.880	866	417
74.906	728	440
74.932	724	491
74.958	579	371
74.984	689	400
75.010	822	420
75.036	760	438
75.062	730	546
75.088	729	518
75.114	593	478
75.140	943	482
75.166	647	542
75.192	837	508
75.218	689	436
75.244	734	426
75.270	946	433
75.296	742	556
75.322	538	468

75.348	749	319
75.374	771	458
75.400	849	585
75.426	900	412
75.452	772	477
75.478	836	543
75.504	1161	506
75.530	968	520
75.556	974	480
75.582	893	443
75.608	787	466
75.634	836	577
75.660	728	554
75.686	821	487
75.712	961	538
75.738	766	421
75.764	970	493
75.790	971	498
75.816	1028	462
75.842	915	438
75.868	1000	492
75.894	1192	433
75.920	1300	446
75.946	1374	510
75.972	811	400
75.998	703	522
76.024	785	424
76.050	969	473
76.076	925	422
76.102	683	555
76.128	715	531
76.154	923	420
76.180	770	453
76.206	609	510
76.232	665	434
76.258	780	588
76.284	765	469
76.310	905	407
76.336	748	607
76.362	1049	437
76.388	876	568
76.414	921	505
76.440	1007	526
76.466	1276	499
76.492	736	483
76.518	808	534
76.544	878	445
76.570	867	444
76.596	887	304
76.622	819	530

76.648	996	398
76.674	821	509
76.700	686	557
76.726	993	471
76.752	1066	455
76.778	960	409
76.804	720	481
76.830	939	553
76.856	1165	434
76.882	933	428
76.908	582	600
76.934	1463	490
76.960	822	392
76.986	822	457
77.012	782	386
77.038	803	518
77.064	878	403
77.090	740	429
77.116	959	474
77.142	792	584
77.168	757	517
77.194	697	557
77.220	651	426
77.246	671	451
77.272	636	531
77.298	779	558
77.324	847	520
77.350	982	585
77.376	606	464
77.402	852	413
77.428	1040	489
77.454	1017	498
77.480	1072	369
77.506	830	455
77.532	1210	435
77.558	929	534
77.584	1014	421
77.610	964	594
77.636	983	499
77.662	833	324
77.688	861	538
77.714	893	438
77.740	798	484
77.766	1104	446
77.792	943	452
77.818	1044	490
77.844	851	407
77.870	1110	497
77.896	1145	557
77.922	1127	582

77.948	981	349
77.974	950	306
78.000	1368	443
78.026	983	415
78.052	1072	455
78.078	843	397
78.104	942	464
78.130	1128	535
78.156	1327	531
78.182	1167	561
78.208	1404	545
78.234	1139	405
78.260	1054	491
78.286	947	569
78.312	1096	436
78.338	798	384
78.364	941	532
78.390	806	469
78.416	696	441
78.442	992	489
78.468	868	515
78.494	743	562
78.520	602	369
78.546	872	456
78.572	921	270
78.598	673	493
78.624	776	557
78.650	824	422
78.676	744	566
78.702	840	470
78.728	1005	442
78.754	760	417
78.780	834	629
78.806	696	426
78.832	935	385
78.858	1412	447
78.884	1103	431
78.910	750	438
78.936	998	482
78.962	839	350
78.988	997	351
79.014	923	409
79.040	1015	479
79.066	1044	503
79.092	837	492
79.118	931	551
79.144	671	636
79.170	835	497
79.196	873	480
79.222	739	583

79.248	800	505
79.274	662	455
79.300	722	337
79.326	877	417
79.352	796	346
79.378	637	477
79.404	653	337
79.430	584	368
79.456	822	557
79.482	1328	460
79.508	1086	502
79.534	931	372
79.560	742	499
79.586	544	479
79.612	424	482
79.638	857	255
79.664	869	549
79.690	783	282
79.716	634	353
79.742	585	445
79.768	605	424
79.794	944	386
79.820	831	519
79.846	848	374
79.872	835	420
79.898	988	395
79.924	1075	347
79.950	791	420
79.976	833	412
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80.158	926	426
80.184	888	325
80.210	754	384
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80.262	764	430
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80.314	871	529
80.340	1200	345
80.366	1558	405
80.392	1150	258
80.418	1072	583
80.444	960	336
80.470	678	370
80.496	1293	356
80.522	1174	350

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80.600	767	461
80.626	900	549
80.652	1035	384
80.678	671	455
80.704	1049	575
80.730	808	484
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80.782	966	443
80.808	727	439
80.834	456	366
80.860	639	525
80.886	644	433
80.912	538	483
80.938	489	394
80.964	563	447
80.990	453	387
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81.042	568	290
81.068	756	358
81.094	661	475
81.120	633	535
81.146	915	411
81.172	598	430
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81.224	812	563
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81.302	714	369
81.328	642	410
81.354	711	436
81.380	442	399
81.406	532	480
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81.458	977	387
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81.510	945	330
81.536	782	537
81.562	794	396
81.588	1195	373
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81.640	868	515
81.666	969	444
81.692	1113	399
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81.744	972	551
81.770	1021	495
81.796	963	346
81.822	887	345

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82.212	788	476
82.238	756	305
82.264	790	460
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82.394	709	360
82.420	806	401
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82.472	925	489
82.498	744	445
82.524	909	471
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82.576	709	273
82.602	444	382
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82.654	874	311
82.680	922	446
82.706	889	516
82.732	902	445
82.758	893	504
82.784	506	299
82.810	840	315
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82.914	674	424
82.940	798	306
82.966	603	424
82.992	773	479
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83.044	731	494
83.070	553	421
83.096	731	572
83.122	678	458

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83.226	658	429
83.252	753	474
83.278	748	468
83.304	983	377
83.330	879	450
83.356	959	303
83.382	865	408
83.408	718	349
83.434	721	376
83.460	848	464
83.486	945	494
83.512	934	356
83.538	1248	475
83.564	1126	395
83.590	836	293
83.616	779	452
83.642	850	486
83.668	859	590
83.694	1055	437
83.720	714	508
83.746	1084	449
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83.798	806	438
83.824	888	430
83.850	929	598
83.876	938	416
83.902	1070	500
83.928	967	443
83.954	898	510
83.980	987	570
84.006	1296	356
84.032	1078	513
84.058	1112	487
84.084	1036	444
84.110	1265	470
84.136	1217	466
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84.188	1164	431
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84.240	1529	555
84.266	1866	511
84.292	1774	484
84.318	2217	419
84.344	1153	505
84.370	1282	417
84.396	1528	551
84.422	1417	405

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84.500	1463	333
84.526	1614	389
84.552	1439	424
84.578	1716	576
84.604	1371	409
84.630	1533	430
84.656	1574	422
84.682	1592	495
84.708	1843	495
84.734	1402	403
84.760	1062	476
84.786	1198	428
84.812	1029	486
84.838	1110	437
84.864	1084	406
84.890	1284	461
84.916	1425	569
84.942	1729	403
84.968	1329	520
84.994	1018	577
85.020	872	482
85.046	1064	435
85.072	1515	425
85.098	1419	556
85.124	1119	329
85.150	1500	453
85.176	2783	565
85.202	1640	538
85.228	1615	402
85.254	1173	600
85.280	1047	458
85.306	1084	430
85.332	1220	476
85.358	1576	503
85.384	1205	541
85.410	1570	417
85.436	1296	373
85.462	1268	426
85.488	1351	478
85.514	1344	444
85.540	905	388
85.566	896	442
85.592	958	200
85.618	1628	354
85.644	1709	449
85.670	1901	366
85.696	1702	390
85.722	2196	321

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85.774	1915	433
85.800	2039	255
85.826	2560	340
85.852	2483	425
85.878	2765	358
85.904	2810	383
85.930	2344	416
85.956	2925	346
85.982	2624	446
86.008	2373	499
86.034	1814	487
86.060	1911	366
86.086	1722	369
86.112	1651	315
86.138	1877	406
86.164	2052	336
86.190	1889	214
86.216	2312	447
86.242	2601	283
86.268	2056	405
86.294	2069	526
86.320	1399	418
86.346	1704	353
86.372	1401	413
86.398	1532	321
86.424	1214	322
86.450	1229	348
86.476	1595	391
86.502	1307	384
86.528	1245	391
86.554	1165	487
86.580	1058	377
86.606	1164	392
86.632	1409	341
86.658	1831	508
86.684	1594	416
86.710	1423	291
86.736	1098	354
86.762	1199	466
86.788	883	540
86.814	1142	363
86.840	1253	430
86.866	1850	402
86.892	1103	558
86.918	1180	319
86.944	1407	345
86.970	1571	390
86.996	1173	375
87.022	1060	485

87.048	1780	561
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87.100	1511	405
87.126	1714	485
87.152	1933	406
87.178	1514	390
87.204	1673	413
87.230	1950	474
87.256	2278	364
87.282	2496	517
87.308	1850	475
87.334	1410	553
87.360	1186	333
87.386	1346	437
87.412	1688	465
87.438	1442	420
87.464	1107	522
87.490	1276	491
87.516	1704	305
87.542	1941	471
87.568	1411	500
87.594	1092	408
87.620	830	560
87.646	884	521
87.672	1132	546
87.698	1056	466
87.724	1092	573
87.750	1030	545
87.776	844	370
87.802	842	611
87.828	1103	511
87.854	841	532
87.880	1099	500
87.906	918	508
87.932	843	593
87.958	992	466
87.984	1203	461
88.010	1277	615
88.036	931	654
88.062	1089	452
88.088	1028	454
88.114	1269	527
88.140	902	376
88.166	972	638
88.192	938	589
88.218	1016	437
88.244	1081	542
88.270	1017	543
88.296	942	486
88.322	939	592

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88.400	1019	513
88.426	1023	447
88.452	1004	601
88.478	717	497
88.504	912	624
88.530	935	539
88.556	793	513
88.582	1209	533
88.608	887	476
88.634	919	436
88.660	745	497
88.686	904	563
88.712	858	582
88.738	1107	540
88.764	812	520
88.790	1024	549
88.816	893	581
88.842	974	440
88.868	672	498
88.894	1106	509
88.920	979	544
88.946	832	582
88.972	817	487
88.998	918	605
89.024	619	623
89.050	882	477
89.076	883	551
89.102	673	451
89.128	796	493
89.154	655	443
89.180	981	484
89.206	700	475
89.232	921	321
89.258	921	489
89.284	1085	543
89.310	1080	425
89.336	979	535
89.362	1131	680
89.388	1285	528
89.414	1349	391
89.440	1016	494
89.466	724	525
89.492	946	510
89.518	959	568
89.544	1136	526
89.570	838	475
89.596	902	409
89.622	667	530

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89.674	725	390
89.700	944	426
89.726	1153	383
89.752	1142	611
89.778	1027	405
89.804	777	541
89.830	833	394
89.856	721	433
89.882	991	388
89.908	865	579
89.934	878	468
89.960	789	467
89.986	980	470
90.012	1041	482
90.038	950	472
90.064	1130	360
90.090	930	517
90.116	640	358
90.142	994	445
90.168	720	424
90.194	968	562
90.220	963	421
90.246	646	416
90.272	927	483
90.298	695	420
90.324	638	448
90.350	580	487
90.376	785	417
90.402	731	417
90.428	601	502
90.454	686	599
90.480	611	539
90.506	633	448
90.532	717	460
90.558	759	479
90.584	694	397
90.610	801	407
90.636	607	420
90.662	933	617
90.688	909	452
90.714	1072	587
90.740	996	519
90.766	928	365
90.792	1020	492
90.818	872	471
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90.870	717	473
90.896	1017	394
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91.000	861	504
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91.078	971	574
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91.130	1006	514
91.156	1004	463
91.182	933	511
91.208	752	389
91.234	985	455
91.260	1038	352
91.286	1047	465
91.312	1124	509
91.338	1026	574
91.364	1131	518
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91.416	802	523
91.442	986	479
91.468	765	551
91.494	744	504
91.520	914	532
91.546	950	489
91.572	901	461
91.598	1111	521
91.624	1086	593
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91.676	1353	490
91.702	1036	424
91.728	852	523
91.754	1036	524
91.780	1076	535
91.806	1086	653
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91.884	895	533
91.910	978	543
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91.988	864	594
92.014	1109	465
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92.066	1224	500
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92.118	1357	394
92.144	1569	461
92.170	942	656
92.196	900	442
92.222	996	374

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92.430	935	383
92.456	857	430
92.482	1032	300
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92.534	933	506
92.560	1025	420
92.586	807	325
92.612	948	507
92.638	738	538
92.664	924	393
92.690	1007	445
92.716	796	485
92.742	995	477
92.768	1275	336
92.794	1091	375
92.820	1328	360
92.846	904	408
92.872	723	390
92.898	717	339
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92.950	1098	424
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93.002	992	564
93.028	853	466
93.054	659	478
93.080	1117	458
93.106	922	424
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93.158	766	471
93.184	1055	496
93.210	933	415
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93.262	1189	450
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93.314	1517	611
93.340	1019	487
93.366	1242	471
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93.418	1201	453
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93.470	1243	505
93.496	1189	459
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93.574	853	420
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93.626	885	442
93.652	894	390
93.678	1208	573
93.704	1420	481
93.730	1126	462
93.756	983	484
93.782	998	599
93.808	1305	395
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93.860	869	331
93.886	1259	367
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93.938	1070	496
93.964	1148	545
93.990	1070	546
94.016	1389	578
94.042	1075	557
94.068	1340	437
94.094	1427	453
94.120	1216	487
94.146	1352	399
94.172	1339	471
94.198	1294	459
94.224	1106	371
94.250	887	549
94.276	948	519
94.302	949	438
94.328	1276	416
94.354	1424	428
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94.406	880	521
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94.510	998	469
94.536	952	606
94.562	970	512
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94.666	1155	449
94.692	898	543
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95.212	1772	490
95.238	1646	500
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95.316	1665	460
95.342	1691	537
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95.394	2055	436
95.420	1680	522
95.446	2116	462
95.472	2089	477
95.498	1728	456
95.524	1920	371
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95.576	1503	428
95.602	1384	553
95.628	1461	478
95.654	1677	299
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95.706	1482	459
95.732	1437	472
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95.836	1187	503
95.862	1044	465
95.888	1287	531
95.914	1259	362
95.940	1299	413
95.966	1286	482
95.992	1167	438
96.018	1146	545
96.044	1194	546
96.070	952	611
96.096	847	480
96.122	945	575

96.148	1106	541
96.174	1571	462
96.200	1273	569
96.226	1391	349
96.252	1605	335
96.278	1831	353
96.304	2060	528
96.330	2152	421
96.356	1591	549
96.382	1548	551
96.408	1365	522
96.434	1899	436
96.460	1736	473
96.486	1414	524
96.512	1467	575
96.538	1697	488
96.564	1902	488
96.590	1935	477
96.616	1647	508
96.642	1986	410
96.668	2287	435
96.694	2366	471
96.720	2475	515
96.746	2954	615
96.772	3146	509
96.798	2841	515
96.824	2932	412
96.850	2782	511
96.876	2469	436
96.902	3265	440
96.928	2332	380
96.954	2032	473
96.980	2736	482
97.006	2098	405
97.032	2451	539
97.058	2672	419
97.084	2201	481
97.110	2273	511
97.136	2248	518
97.162	1586	649
97.188	1874	401
97.214	1766	565
97.240	2238	397
97.266	1950	415
97.292	1836	379
97.318	1426	502
97.344	1917	521
97.370	1760	468
97.396	1781	546
97.422	1738	483

97.448	1801	519
97.474	1806	448
97.500	1771	431
97.526	2076	476
97.552	2440	443
97.578	1721	372
97.604	1645	419
97.630	2321	432
97.656	2512	497
97.682	2337	278
97.708	2165	478
97.734	2337	314
97.760	2153	641
97.786	1986	397
97.812	1528	345
97.838	1470	390
97.864	2179	407
97.890	2489	296
97.916	1861	425
97.942	2482	419
97.968	2175	547
97.994	2165	386
98.020	2351	404
98.046	2255	500
98.072	1864	363
98.098	2270	360
98.124	2519	442
98.150	2529	304
98.176	2995	354
98.202	2566	480
98.228	2378	517
98.254	2817	379
98.280	3184	441
98.306	2359	306
98.332	1939	422
98.358	1973	490
98.384	1825	435
98.410	1974	434
98.436	2156	443
98.462	1681	346
98.488	1891	465
98.514	1499	429
98.540	1284	374
98.566	1235	446
98.592	1660	419
98.618	1544	399
98.644	1510	354
98.670	1209	495
98.696	1307	418
98.722	1094	520

98.748	1158	380
98.774	1352	532
98.800	1828	537
98.826	1501	366
98.852	1577	500
98.878	1757	380
98.904	1758	345
98.930	1681	460
98.956	1717	372
98.982	1927	332
99.008	1920	449
99.034	2293	493
99.060	1893	494
99.086	1651	446
99.112	1461	409
99.138	1538	549
99.164	1701	343
99.190	1795	346
99.216	1988	413
99.242	1502	354
99.268	1479	501
99.294	1510	476
99.320	1344	482
99.346	1156	358
99.372	1440	386
99.398	1362	502
99.424	1308	477
99.450	1031	502
99.476	1016	426
99.502	1161	365
99.528	1341	305
99.554	1223	420
99.580	1012	428
99.606	1671	579
99.632	1513	430
99.658	1692	471
99.684	1621	484
99.710	1624	656
99.736	1530	471
99.762	1614	537
99.788	1795	514
99.814	1586	414
99.840	1990	539
99.866	2160	387
99.892	1705	486
99.918	2584	518
99.944	1845	557
99.970	1689	541
99.996	1688	507
100.022	1822	501

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100.074	1747	621
100.100	1240	545
100.126	1119	579
100.152	1098	576
100.178	1276	598
100.204	1253	648
100.230	1187	495
100.256	1123	443
100.282	1097	545
100.308	1020	642
100.334	892	488
100.360	931	617
100.386	1002	498
100.412	1117	550
100.438	1042	458
100.464	972	554
100.490	889	505
100.516	1453	516
100.542	1219	494
100.568	1185	507
100.594	950	381
100.620	1091	343
100.646	1061	378
100.672	1155	495
100.698	1018	409
100.724	928	380
100.750	935	420
100.776	812	427
100.802	1288	486
100.828	1157	461
100.854	918	482
100.880	1218	603
100.906	1550	544
100.932	1195	517
100.958	1311	406
100.984	1242	649
101.010	1244	494
101.036	1195	503
101.062	1041	553
101.088	1066	619
101.114	1168	477
101.140	1226	551
101.166	1288	470
101.192	1127	461
101.218	1039	411
101.244	985	569
101.270	1155	645
101.296	1003	543
101.322	1175	616

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101.400	1045	576
101.426	1017	552
101.452	1036	627
101.478	960	619
101.504	922	667
101.530	1196	445
101.556	1852	423
101.582	1644	416
101.608	1662	457
101.634	1623	337
101.660	1899	397
101.686	1664	565
101.712	1364	381
101.738	2162	533
101.764	1786	495
101.790	1514	451
101.816	2028	488
101.842	1879	586
101.868	1550	529
101.894	1645	482
101.920	1621	669
101.946	1227	476
101.972	1112	638
101.998	1204	477
102.024	1279	495
102.050	1344	522
102.076	1474	521
102.102	1123	381
102.128	1116	485
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102.180	844	460
102.206	1168	492
102.232	1230	692
102.258	972	446
102.284	1389	321
102.310	1174	524
102.336	1054	452
102.362	1326	439
102.388	911	577
102.414	832	474
102.440	934	445
102.466	980	565
102.492	1177	454
102.518	1309	484
102.544	1507	567
102.570	1118	630
102.596	1357	590
102.622	1185	527

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102.674	1374	494
102.700	1334	457
102.726	1237	520
102.752	1165	519
102.778	1187	573
102.804	1262	548
102.830	1251	492
102.856	1627	506
102.882	1758	425
102.908	1585	583
102.934	1446	592
102.960	1105	482
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103.090	1348	552
103.116	2003	570
103.142	1375	571
103.168	1421	600
103.194	1309	527
103.220	1147	557
103.246	1012	490
103.272	1094	476
103.298	1747	411
103.324	1744	445
103.350	1577	417
103.376	1285	494
103.402	1179	382
103.428	1264	581
103.454	1610	524
103.480	1510	455
103.506	1182	547
103.532	1170	623
103.558	1101	412
103.584	1152	536
103.610	1254	558
103.636	1243	593
103.662	1307	529
103.688	1498	452
103.714	1715	501
103.740	1636	661
103.766	2049	560
103.792	1889	602
103.818	2222	499
103.844	2268	401
103.870	2057	549
103.896	1781	471
103.922	1486	489

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104.052	1346	478
104.078	1412	404
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104.130	1416	589
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104.182	1137	543
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104.364	1163	561
104.390	1531	551
104.416	1362	593
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104.520	1666	424
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104.624	397	85
104.650	139	9
104.676	158	36
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104.806	996	556
104.832	812	673
104.858	935	673
104.884	829	688
104.910	783	661
104.936	1008	668
104.962	1131	610
104.988	1195	592
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105.040	1052	397
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105.092	1497	487
105.118	1118	540
105.144	1399	634
105.170	1084	495
105.196	918	620
105.222	842	552

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105.274	1097	548
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105.482	1007	663
105.508	1042	609
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105.638	892	665
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105.742	916	407
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105.872	939	399
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105.924	774	543
105.950	831	502
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106.106	940	577
106.132	1090	569
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106.314	1017	488
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106.366	924	400
106.392	770	469
106.418	652	426
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106.470	939	504
106.496	916	468
106.522	705	487

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106.626	698	624
106.652	631	546
106.678	660	581
106.704	1001	636
106.730	931	567
106.756	1095	608
106.782	1075	509
106.808	908	616
106.834	746	561
106.860	710	464
106.886	920	435
106.912	809	561
106.938	778	452
106.964	865	520
106.990	675	484
107.016	734	481
107.042	718	466
107.068	837	578
107.094	596	544
107.120	649	634
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107.172	685	548
107.198	862	515
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107.328	853	574
107.354	910	501
107.380	1058	524
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107.432	1028	541
107.458	1078	465
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107.510	1133	396
107.536	695	565
107.562	748	494
107.588	789	686
107.614	857	525
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107.666	909	372
107.692	1145	456
107.718	1037	365
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107.822	1471	462

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108.420	1009	643
108.446	1171	521
108.472	905	506
108.498	846	557
108.524	908	406
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108.576	994	635
108.602	1323	504
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108.680	1044	419
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108.732	959	329
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108.784	1063	363
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108.888	1120	497
108.914	961	442
108.940	997	584
108.966	832	461
108.992	809	457
109.018	1093	554
109.044	944	558
109.070	1193	528
109.096	1197	539
109.122	2042	454

109.148	3120	360
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109.330	1739	421
109.356	2023	363
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109.434	1547	479
109.460	1576	524
109.486	1449	425
109.512	1391	271
109.538	1575	458
109.564	1303	450
109.590	1491	396
109.616	1041	436
109.642	950	390
109.668	710	399
109.694	725	339
109.720	473	251
109.746	507	165
109.772	252	60
109.798	189	45
109.824	226	46
109.850	333	58