

Standard

Base	1st Lychrel		Lychrel Density, %												Max Palindrome Delay, steps													
			Digits									Digits (base 10)			Digits									Digits (base 10)				
		base 10	2	3	4	5	6	7	8	9	2	3	4	5	6	2	3	4	5	6	7	8	9	2	3	4	5	6
2	10110	22	0.0	0.0	0.0	18.5	25.0	31.2	32.8	29.9	24.2	34.1	36.0	41.2	48.3	1	1	2	5	3	11	11	21	11	32	49	99	142
3	10211	103	0.0	0.0	0.0	10.5	6.2	9.8	12.7	30.9	0.0	7.9	17.8	40.5	56.1	2	4	18	17	16	20	20	21	18	18	21	56	57
4	10202	290	0.0	0.0	0.0	7.7	17.1	15.9	27.2	33.5	0.0	6.0	15.3	27.0	38.3	2	4	16	29	35	35	80	77	4	29	35	80	107
5	10313	708	0.0	0.0	0.0	5.2	10.4	15.7	24.7		0.0	1.7	7.9	16.0	28.0	6	6	15	28	27	48	65		6	17	28	65	65
6	4555	1079	0.0	0.0	0.2	4.8	11.7	16.8			0.0	0.0	5.0	13.3	22.2	6	39	37	46	56	58			39	39	46	58	75
7	10513	2656	0.0	0.0	0.0	2.8	5.0	14.4			0.0	0.0	1.7	4.5	14.3	4	10	43	43	41	70			7	13	43	42	83
8	1775	1021	0.0	0.0	0.9	6.9	12.2				0.0	0.0	3.7	8.7	17.7	6	17	19	46	60				6	17	30	60	95
9	728	593	0.0	0.0	4.1	7.8	13.0				0.0	0.7	3.9	8.4	14.3	7	7	14	42	115				7	7	27	55	115
10	196	196	0.0	1.4	2.6	6.4	12.2				0.0	1.4	2.6	6.4	12.2	24	23	21	55	64				24	23	21	55	64
11	83A	1011	0.0	0.3	2.1	7.1					0.0	0.0	1.2	5.5	9.6	10	16	18	105					6	16	17	105	104
12	179	237	0.0	1.6	2.1	7.3					0.0	1.0	1.4	5.3	10.2	14	19	37	82					4	18	27	50	83
13	12CA	2701	0.0	0.0	2.4	6.8					0.0	0.0	1.4	4.8	8.0	12	30	42	46					2	30	30	42	75
14	1BB	361	0.0	0.6	1.2	6.8					0.0	0.4	0.7	3.8	8.0	29	30	31	57					2	30	31	57	68
15	1EC	447	0.0	0.6	3.4	6.7					0.0	0.3	1.3	4.7	6.6	19	19	51	50					2	19	19	51	49
16	19D	413	0.0	1.9	5.1	5.1					0.0	1.3	2.0	5.1	7.7	8	27	46	78					2	27	46	78	78
17	B6G	3297	0.0	0.4	2.4						0.0	0.0	1.2	2.3	5.2	8	23	56					2	23	31	56	58	
18	1AF	519	0.0	2.0	3.6						0.0	1.1	1.8	3.4	6.7	8	29	35					2	29	29	35	66	
19	HI	341	0.6	2.0	3.4						0.0	1.4	1.5	2.7	6.0	8	22	49					2	22	22	49	107	
20	IJ	379	0.5	1.3	2.6						0.0	0.7	1.1	2.0	5.8	19	28	29					2	20	28	29	72	
21	1CI	711	0.0	1.8	2.9						0.0	0.8	1.7	2.4	5.6	18	29	126					2	29	29	83	127	
22	KL	461	0.4	1.4	2.0						0.0	0.9	1.2	1.4	4.8	11	42	46					2	27	42	46	130	
23	LM	505	0.4	2.0	3.5						0.0	0.9	1.9	2.6	5.4	8	29	37					2	13	29	29	83	
24	MN	551	0.4	1.0	2.9						0.0	0.4	0.8	1.7	5.5	11	29	80					2	28	29	28	80	
25	1FM	1022	0.0	1.7	2.9						0.0	0.0	1.5	2.2	4.0	10	29	62					2	10	23	29	102	

No Last Carry

Base	1st Lychrel		Lychrel Density, %													Max Palindrome Delay, steps											
			Digits									Digits (base 10)				Digits									Digits (base 10)		
		base 10	2	3	4	5	6	7	8	9	2	3	4	5	6	2	3	4	5	6	7	8	9	2	3	4	5
2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	1	2	4	5	6	10	11	6	10	15	21	32
3	10000012210110	1598547	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	4	5	6	9	12	12	16	5	11	15	26	32
4			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	4	5	11	16	28	28	31	4	11	28	31	39
5			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	5	9	12	15	25	30	48	5	10	14	28	48
6	10334	1426	0.0	0.0	0.0	1.9	1.2	1.0	0.8						0.0	0.0	1.6	1.1	0.8				4	7	19	27	47
7	102056645	6014489	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0	0.0	0.0	0.0	0.0				5	8	16	25	51
8			0.0	0.0	0.0	0.0	0.0	0.0							0.0	0.0	0.0	0.0	0.0				2	7	15	26	39
9			0.0	0.0	0.0	0.0	0.0	0.0							0.0	0.0	0.0	0.0	0.0				2	7	18	23	47
10	10039547	10039547	0.0	0.0	0.0	0.0	0.0	0.0							0.0	0.0	0.0	0.0	0.0				4	7	11	14	27
11	10404A91	20138009	0.0	0.0	0.0	0.0	0.0								0.0	0.0	0.0	0.0	0.0				3	6	13	21	36
12	1067A	21694	0.0	0.0	0.0	0.5	0.1								0.0	0.0	0.0	0.4	0.2				3	6	9	19	40
13	109CA6	393230	0.0	0.0	0.0	0.0	0.0								0.0	0.0	0.0	0.0	0.0				2	6	16	21	38
14	102D1A	545884	0.0	0.0	0.0	0.0	0.1								0.0	0.0	0.0	0.0	0.0				2	6	15	22	44
15	1089C	52572	0.0	0.0	0.0	0.1									0.0	0.0	0.0	0.0	0.0				2	6	12	20	47
16			0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0				2	6	9	17	19
17			0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0				2	6	14	26	30
18	109BG	108106	0.0	0.0	0.0	0.2									0.0	0.0	0.0	0.0	0.0				2	6	23	26	28
19			0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0				2	6	15	20	35
20	10EJGA	3319930	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0				2	6	9	14	28
21	10BDI	199623	0.0	0.0	0.0	0.1									0.0	0.0	0.0	0.0	0.1				2	6	9	21	31
22	1GLI	18872	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.1				2	6	9	17	25
23			0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0				2	4	9	21	31
24	10CFM	339070	0.0	0.0	0.0	0.1									0.0	0.0	0.0	0.0	0.1				2	3	8	15	25
25	1COG	23741	0.0	0.0	0.2	0.0									0.0	0.0	0.0	0.1	0.1				2	3	8	21	31

Subtract

Base	1st Lychrel		Lychrel Density, %													Max Palindrome Delay, steps												
			Digits								Digits (base 10)					Digits						Digits (base 10)						
		base 10	2	3	4	5	6	7	8	9	2	3	4	5	6	2	3	4	5	6	7	8	9	2	3	4	5	6
2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	1	2	2	3	3	3	4	3	5	8	13	19	
3	1012	32	0.0	0.0	13.0	29.6	38.3	44.4	56.1	56.4	14.3	39.4	54.6	60.6	66.0	1	1	3	2	4	6	8	7	3	6	8	10	13
4			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	2	4	4	8	9	14	14	4	4	8	14	17	
5	13	8	30.0	30.0	48.4	73.2	77.2	70.7	74.2	75.4	27.5	56.8	76.8	71.7	75.4	1	1	5	2	7	10	15	1	5	7	15	15	
6	1012	224	0.0	0.0	9.2	32.6	32.7	38.0			0.0	8.2	31.2	36.1	40.3	3	3	6	5	17	14		3	6	17	17	26	
7	1012	352	0.0	0.0	32.1	65.2	63.9	66.2			0.0	22.9	60.0	64.1	66.9	3	3	6	4	13	14		3	6	6	13	23	
8	14	12	21.4	21.4	20.6	9.9	10.7				22.0	20.8	13.5	10.4	13.3	3	3	7	7	24			3	7	7	24	24	
9	13	12	58.3	58.3	83.6	90.1	93.8				57.1	65.6	85.6	92.0	94.0	1	1	3	2	16			1	3	3	16	16	
10	1012	1012	0.0	0.0	7.1	49.3	48.8				0.0	0.0	7.1	49.3	48.8	5	5	12	12	48			5	5	12	12	48	
11	13	14	49.1	49.1	75.5	90.2					47.3	48.3	74.4	89.4	91.3	2	2	5	3				2	2	5	5	17	
12	1012	1742	0.0	0.0	5.1	38.3					0.0	0.0	4.7	38.3	39.0	6	6	11	11				6	6	11	11	51	
13	13	16	70.5	70.5	90.8	95.4					65.9	69.5	87.6	94.2	95.8	1	1	4	2				1	1	4	4	34	
14	14	18	39.6	39.6	43.9	67.4					37.3	39.2	43.1	60.0	67.8	4	4	14	14				4	4	14	14	41	
15	1012	3392	0.0	0.0	40.9	80.0					0.0	0.0	40.9	68.6	81.0	4	4	8	5				4	4	8	8	27	
16	14	20	46.7	46.7	46.3						44.0	47.2	46.4	40.7	32.2	4	4	9					4	4	9	9	9	
17	13	20	77.2	77.2	94.9						69.2	76.6	87.1	95.2	97.3	1	1	3					1	1	3	2	2	
18	1012	5852	0.0	0.0	23.4						0.0	0.0	10.4	23.4	66.3	9	9	17					9	9	17	17	17	
19	13	22	69.6	69.6	91.3						61.5	68.7	77.2	91.2	96.4	2	2	6					2	2	6	6	6	
20	14	24	37.8	37.8	53.0						34.1	38.1	41.3	53.1	73.3	6	6	18					6	6	18	18	18	
21	13	24	81.4	81.4	91.6						69.2	81.1	82.3	91.6	97.4	1	1	10					1	1	9	10	10	
22	1012	10672	0.0	0.0	3.9						0.0	0.0	0.0	3.9	57.6	11	11	38					11	11	11	38	38	
23	13	26	58.1	58.1	65.6						47.3	57.3	58.1	65.4	89.6	3	3	18					3	3	3	18	18	
24	16	30	16.0	16.0	36.3						13.2	16.2	15.9	35.7	30.4	10	10	19					10	10	10	19	19	
25	13	28	84.3	84.3	97.6						69.2	84.1	84.3	96.7	98.3	1	1	3					1	1	1	3	3	

Nega

Base	1st Lychrel		Lychrel Density, %													Max Palindrome Delay, steps											
			Digits						Digits (base 10)						Digits						Digits (base 10)						
		base 10	2	3	4	5	6	7	8	9	2	3	4	5	6	2	3	4	5	6	7	8	9	2	3	4	5
-2	11001	9	0.0	0.3	6.2	31.2	12.2	28.9	32.5	38.1						1	3	18	17	12	18	131	185				
-3	1202121	193	0.0	0.0	7.5	15.4	0.0	5.7	13.1	24.9						4	10	36	35	9	20	36	41				
-4	13033	55	0.0	16.8	41.4		8.9	21.9	38.6	56.1						5	58	59		14	59	59	56				
-5	133	13	5.0	24.4	38.7		5.6	18.2	32.7	43.5						5	42	50		5	43	50	58				
-6	152	8	12.8	26.3			10.0	20.2	34.4	45.0						34	34			6	34	54	55				
-7	162	9	15.6	29.7			10.0	22.8	25.5	42.5						19	20			19	21	21	60				
-8	173	11	25.0	45.0			16.7	36.2	35.7	59.6						19	29			16	21	29	61				
-9	177	25	11.7	33.4			5.6	18.9	24.5	43.0						18	38			18	23	38	54				
-10	194	14	21.9	44.1			13.3	26.1	32.5	47.0						18	35			15	21	48	47				
-11	1A5	16	19.7				15.6	17.1	36.7	42.2						16				15	16	24	40				
-12	1B2	14	23.4				21.1	17.8	41.9	41.6						21				21	21	48	48				
-13	1C6	19	19.8				18.9	12.8	37.7	34.8						17				16	16	45	45				
-14	1D2	16	31.8				35.6	20.1	45.0	39.0						16				16	16	47	48				
-15	1E3	18	26.7				28.9	16.4	42.6	34.1						60				27	28	60	61				
-16	1F3	19	32.9				40.0	18.9	46.4	40.7						19				11	19	42	42				
-17	1G7	24	22.4				24.4	11.4	37.1	34.9						26				23	23	76	76				
-18	1H2	20	31.4				38.9	16.6	41.2	37.8						22				22	22	33	36				
-19	1I4	23	29.2				31.1	17.3	38.4	40.1						31				20	20	39	40				
-20	1J2	22	30.5				43.3	19.3	35.8	44.2						28				22	28	49	49				
-21	1K2	23	29.8				38.9	17.9	33.2	43.2						42				14	18	34	44				
-22	1L2	24	31.9				35.6	14.4	33.3	47.4						26				22	22	26	45				
-23	1M2	25	32.7				44.4	19.2	31.0	48.1						30				13	25	30	37				
-24	1N2	26	32.4				48.9	17.6	28.2	51.0						37				16	37	37	44				
-25	1O8	33	30.5				34.4	17.0	24.0	48.1						44				18	22	33	54				