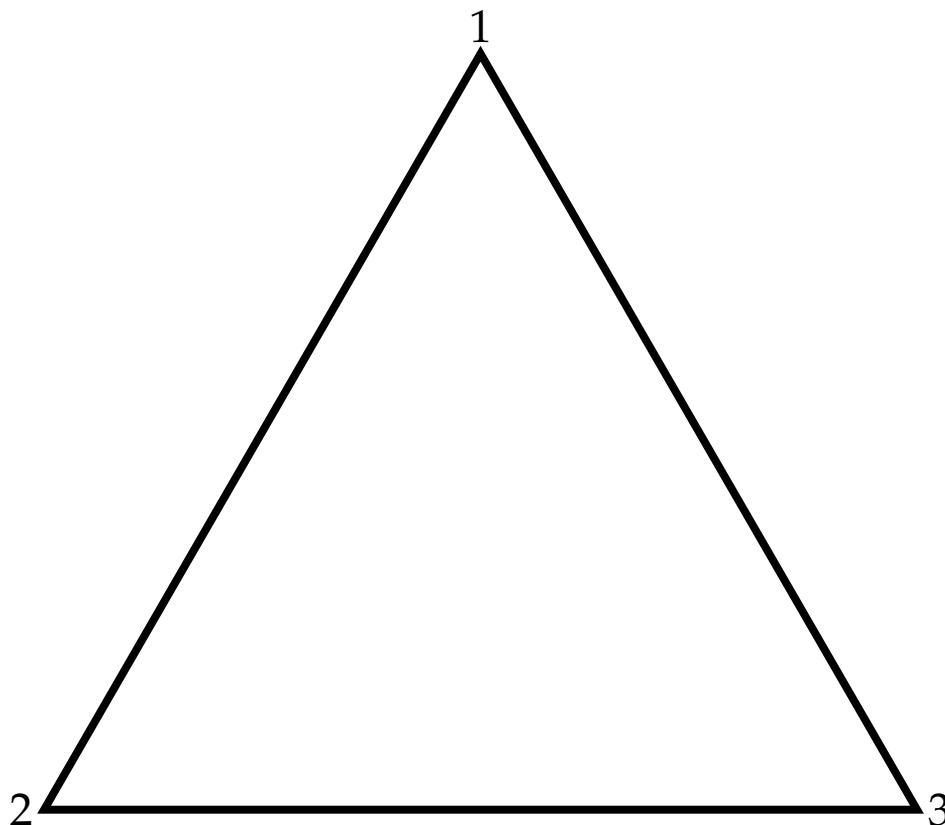


Problem Set 11 Handout

Here's a spot to put your triangle!



The numbers indicate the starting position of the triangle.

n	# of units in mod n	Cycle length of	
		2^k in mod n	10^k in mod n
3	2	2	1
7	6	3	6
9	6	6	1
11	10	10	2
13	12	12	6
17	16	8	16
19	18	18	18
21	12	6	6
23	22	11	22
27	18	18	3
29	28	28	28
31	30	5	15
33	20	10	2
37	36	36	3
39	24	12	6
41	40	20	5
43	42	14	21
47	46	23	46
49	42	21	42
51	32	8	16
53	52	52	13
57	36	18	18
59	58	58	58
61	60	60	60
63	36	6	6
67	66	66	33
69	44	22	22
71	70	35	35
73	72	9	8
77	60	30	6
79	78	39	13
81	54	54	9
83	82	82	41
87	56	28	28
89	88	11	44
91	72	12	6

n	# of units in mod n	Cycle length of	
		2^k in mod n	10^k in mod n
93	60	10	15
97	96	48	96
99	60	30	2
101	100	100	4
103	102	51	34
107	106	106	53
109	108	36	108
111	72	36	3
113	112	28	112
117	72	12	6
119	96	24	48
121	110	110	22
123	80	20	5
127	126	7	42
129	84	14	21
131	130	130	130
133	108	18	18
137	136	68	8
139	138	138	46
141	92	46	46
143	120	60	6
147	84	42	42
149	148	148	148
151	150	15	75
153	96	24	16
157	156	52	78
159	104	52	13
161	132	33	66
163	162	162	81
167	166	83	166
169	156	156	78
171	108	18	18
173	172	172	43
177	116	58	58
179	178	178	178
181	180	180	180