

Swiss Games Solutions

Game 1: distance from x to the nearest perfect square

9	7	4	12	20	30	31	42	90	111	157	205	302	425	600	2018
0	2	0	3	4	5	5	6	9	10	12	9	13	16	24	7

Game 2: number of letters in the name of x

2	5	6	8	9	15	20	22	33	51	63	77	86	99	100	2018
3	4	3	5	4	7	6	9	11	8	10	12	9	10	10	19

Game 3: least integer $\geq x/3$, i.e. $\lceil x/3 \rceil$

0	2.5	π	5	10.5	100	38	45.5	-7	-2.5	73	-23	$\sqrt{7}$	$\sqrt{10}$	π^2	2018
0	1	2	2	4	34	13	16	-2	0	25	-7	1	2	4	673

Game 4: $x^3 - 2x = x(x^2 - 2)$

1	2	3	4	10	5	-1	-3	$\frac{1}{2}$	$-\frac{1}{3}$	$\frac{3}{2}$	$\frac{2}{3}$	-0.1	0.2	$\sqrt{2}$	$-\sqrt{3}$
-1	4	21	56	980	115	1	-21	$-\frac{7}{8}$	$\frac{17}{27}$	$\frac{3}{8}$	$-\frac{28}{27}$	0.199	-0.392	0	$-\sqrt{3}$