

Function Machines (Extension) – What is the secret code?

Calculate the missing outputs and inputs from the function machines below.

For each of your answers, shade the corresponding number on the grid below to reveal the secret code.

The secret code includes letters and numbers.

$2 \rightarrow \boxed{\times 5} \rightarrow \boxed{}$ $11 \rightarrow \boxed{\times 2} \rightarrow \boxed{}$ $4 \rightarrow \boxed{\times 10} \rightarrow \boxed{}$ $14 \rightarrow \boxed{\div 7} \rightarrow \boxed{}$ $12 \rightarrow \boxed{\div 3} \rightarrow \boxed{}$ $130 \rightarrow \boxed{\div 2} \rightarrow \boxed{}$ $\boxed{} \rightarrow \boxed{\times 8} \rightarrow 72$ $\boxed{} \rightarrow \boxed{\times 3} \rightarrow 18$ $\boxed{} \rightarrow \boxed{\times 5} \rightarrow 100$ $\boxed{} \rightarrow \boxed{\div 4} \rightarrow 4$ $\boxed{} \rightarrow \boxed{\div 10} \rightarrow 7$ $\boxed{} \rightarrow \boxed{\div 3} \rightarrow 17$	$17 \rightarrow \boxed{+ 28} \rightarrow \boxed{}$ $25 \rightarrow \boxed{+ 12} \rightarrow \boxed{}$ $19 \rightarrow \boxed{+ 35} \rightarrow \boxed{}$ $55 \rightarrow \boxed{- 29} \rightarrow \boxed{}$ $70 \rightarrow \boxed{- 13} \rightarrow \boxed{}$ $36 \rightarrow \boxed{- 9} \rightarrow \boxed{}$ $\boxed{} \rightarrow \boxed{+ 13} \rightarrow 82$ $\boxed{} \rightarrow \boxed{+ 17} \rightarrow 40$ $\boxed{} \rightarrow \boxed{+ 26} \rightarrow 67$ $\boxed{} \rightarrow \boxed{- 18} \rightarrow 31$ $\boxed{} \rightarrow \boxed{- 56} \rightarrow 24$ $\boxed{} \rightarrow \boxed{- 30} \rightarrow 14$	$7 \rightarrow \boxed{\times 10} \rightarrow \boxed{+ 6} \rightarrow \boxed{}$ $6 \rightarrow \boxed{\times 5} \rightarrow \boxed{+ 9} \rightarrow \boxed{}$ $3 \rightarrow \boxed{\times 6} \rightarrow \boxed{+ 3} \rightarrow \boxed{}$ $9 \rightarrow \boxed{\times 4} \rightarrow \boxed{- 12} \rightarrow \boxed{}$ $8 \rightarrow \boxed{\times 7} \rightarrow \boxed{- 6} \rightarrow \boxed{}$ $12 \rightarrow \boxed{\times 8} \rightarrow \boxed{- 7} \rightarrow \boxed{}$ $\boxed{} \rightarrow \boxed{\times 3} \rightarrow \boxed{+ 5} \rightarrow 29$ $\boxed{} \rightarrow \boxed{\times 11} \rightarrow \boxed{+ 19} \rightarrow 96$ $\boxed{} \rightarrow \boxed{\times 2} \rightarrow \boxed{+ 36} \rightarrow 58$ $\boxed{} \rightarrow \boxed{\times 9} \rightarrow \boxed{- 10} \rightarrow -1$ $\boxed{} \rightarrow \boxed{\times 12} \rightarrow \boxed{- 33} \rightarrow 27$ $\boxed{} \rightarrow \boxed{\times 5} \rightarrow \boxed{- 7} \rightarrow -7$
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4	39	24	57	73	41	5	0	51	60	76	11	45	6
33	25	53	16	17	80	13	12	20	42	58	56	30	21
35	32	43	8	52	9	89	7	50	48	40	44	27	70
28	18	46	37	78	22	34	19	26	55	69	14	31	15
29	36	59	10	90	54	38	47	65	3	1	49	23	2