

Output	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	0	0	0	0	0	1	1	1	1	1
B	0	0	0	1	1	1	1	0	0	0	0	1
C	0	1	1	0	0	1	1	0	0	1	1	0
D	1	0	1	0	1	0	1	0	1	0	1	0