

25	26	27	28	29	30
31	24	32	33	34	35

1st Iteration-

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	14	14	15	16	17	18					
19	10	20	21	22	23	11	24				
25	26	27	28	29	12	30					
31	24	32	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	14	15	16	17	18				
19	20	21	22	11	23	24					
25	26	27	28	12	29	30					
31	24	32	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	15	14	16	17	18				
19	20	21	22	11	23	24					
25	26	27	28	12	29	30					
31	24	32	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	15	14	16	17	18				
19	20	21	22	11	23	24					
25	26	27	28	12	29	30					
31	24	32	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	15	14	16	17	18				
19	20	21	22	11	23	24					
25	26	27	28	12	29	30					
31	24	32	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	15	14	16	17	18				
19	20	21	11	22	23	24					
25	26	27	28	12	29	30					
31	24	32	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	15	16	14	17	18				
19	20	21	11	22	23	24					
25	26	27	12	28	29	30					
31	32	24	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
7	8	8	9	10	11	12					
13	10	14	15	16	14	17	18				
19	20	21	11	22	23	24					
25	26	27	12	28	29	30					
31	32	24	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	8	9	10	11	12					
13	10	14	15	16	14	17	18				
19	20	21	11	22	23	24					
25	26	27	12	28	29	30					
31	32	24	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	10	8	9	10	11	12				
13	10	14	15	16	14	17	18				
19	20	21	11	22	23	24					
25	26	27	12	28	29	30					
31	32	24	33	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	10	8	9	10	11	12				

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	10	8	9	10	11	12				

13	14	15	16	14	17	18
19	20	11	21	22	23	24
25	26	27	12	28	29	30
31	32	33	24	34	35	36

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	10	8	9	10	14	11	12			
13	14	15	16	17	18						
19	20	11	21	12	22	23	24				
25	26	27	28	29	30						
31	32	33	24	34	35	36					

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	10	8	9	10	14	11	12			
13	14	15	16	17	18						
19	20	11	21	12	22	23	24				
25	26	27	28	29	30						
31	32	33	34	24	35	36					

4th Iteration-

H(8)	1	H(10)	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	10	8	9	10	14	11	12			
13	14	15	16	17	18						
19	20	11	21	12	22	23	24				
25	26	27	28	29	30						
31	32	33	34	24	35	36					

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	5	H(24)	6
8	7	8	9	10	14	11	12					
13	14	11	15	16	17	18						
19	20	21	22	23	24							
25	26	27	28	29	30							
31	32	33	34	24	35	36						

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	14	5	H(24)	6
8	7	8	10	9	11	10	12	11	12				
13	14	15	12	16	17	18							
19	20	21	22	23	24								
25	26	27	28	29	30								
31	32	33	34	24	35	36							

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	14	5	H(24)	6
8	7	8	10	9	11	10	12	11	12				
13	14	15	16	17	18								
19	20	21	22	23	24								
25	26	27	28	29	30								
31	32	33	34	24	35	36							

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	14	5	H(24)	6
8	7	8	10	9	11	10	12	11	12				
13	14	15	16	17	18								
19	20	21	22	23	24								
25	26	27	28	29	30								
31	32	33	34	24	35	36							

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	14	5	H(24)	6
8	7	8	10	9	11	10	12	11	12				
13	14	15	16	17	18								
19	20	21	22	23	24								
25	26	27	28	29	30								
31	32	33	34	24	35	36							

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	14	5	H(24)	6
8	7	8	10	9	11	10	12	11	12				
13	14	15	16	17	18								
19	20	21	22	23	24								
25	26	27	28	29	30								
31	32	33	34	24	35	36							

H(8)	1	H(10)	10	2	H(11)	3	H(12)	4	H(14)	14	5	H(24)	6
8	7	8	10	9	11	10	12	11	12				
13	14	15	16	17	18								
19	20	21	22	23	24								
25	26	27	28	29	30								
31	32	33	34	24	35	36							

H(8)	8	1	H(10)	10	2	H(11)	11	3	H(12)	12	4	H(14)	14	5	H(24)	6
7		8		9		10		11		12						
13		14		15		16		17		18						
19		20		21		22		23		24	24					
25		26		27		28		29		30						
31		32		33		34		35		36						

7th Iteration-

H(8)	8	1	H(10)	10	2	H(11)	11	3	H(12)	12	4	H(14)	14	5	H(24)	6
7		8		9		10		11		12						
13		14		15		16		17		24	18					
19		20		21		22		23		24						
25		26		27		28		29		30						
31		32		33		34		35		36						

8th Iteration-

H(8)	8	1	H(10)	10	2	H(11)	11	3	H(12)	12	4	H(14)	14	5	H(24)	6
7		8		9		10		11		24	12					
13		14		15		16		17		18						
19		20		21		22		23		24						
25		26		27		28		29		30						
31		32		33		34		35		36						

9th Iteration-

H(8)	8	1	H(10)	10	2	H(11)	11	3	H(12)	12	4	H(14)	14	5	H(24)	6
7		8		9		10		11		24	12					
13		14		15		16		17		18						
19		20		21		22		23		24						
25		26		27		28		29		30						
31		32		33		34		35		36						

Output: First Line: 24 (ID of the Cadet who enters his house last)

Second Line: 8 (ID of the Cadets infected separated by space).

Since, cadet 8 is in contact with cadet 10 for more than 6 seconds i.e. from t=7 to t=18 so he got infected.

Upload Solution [Question : G]

I, abhishek kumar confirm that the answer submitted is my own.

Took help from online sources (attributions)

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