

Part 3

(1)

schedule pattern: (4, 10, 1, 2, 6, 7, 11, 12, 16, 17)

(2)

frame arrival pattern: (4, 10, 0, 3, 5, 6, 10, 13, 15, 16)

(3)

starting times of time slots: (1, 2, 6, 7, 11, 12, 16, 17, ...)

(4)

k	$\max_{1 \leq j \leq n} (S_{j+k} - S_j)$	=	$\min_{1 \leq i \leq m} (a_{i+k-1} - a_i)$	=	(Column 3 - Column 1)
1	$\max_{1 \leq j \leq n} (S_{j+1} - S_j)$	4	$\min_{1 \leq i \leq m} (a_i - a_i)$	0	4
2	$\max_{1 \leq j \leq n} (S_{j+2} - S_j)$	5	$\min_{1 \leq i \leq m} (a_{i+1} - a_i)$	1	4
3	$\max_{1 \leq j \leq n} (S_{j+3} - S_j)$	9	$\min_{1 \leq i \leq m} (a_{i+2} - a_i)$	3	6
4	$\max_{1 \leq j \leq n} (S_{j+4} - S_j)$	10	$\min_{1 \leq i \leq m} (a_{i+3} - a_i)$	6	4

(5)

$$1 + 6 = 7$$

Ans: 7