

Q3

Multiple possible such SubArrays (ranges) are possible, the only constraint for this question is that the solution must be $O(n)$.i.e. Linear time. Else 0 marks will be awarded.

Input	Output
12 0 1 2 1 2 0 1 1 2 0 9 9	3 1 3 4 7 8 12
16 1 2 1 2 1 2 0 1 2 1 2 3 3 2 1 0	2 1 12 13 16

Q4 Solution must be $O(N \cdot M)$. writing a suboptimal solution will result in marks deduction.

Input	Output
5 5 1 2 3 4 5 1 12 4 12 12 12 7 70 5 6 0 0 0 11 0 1 2 9 2 0	117
5 2 1 1 2 2 35 35 7 7 0 0	42

Note: No more Test cases for these two Questions will be provided.