**Question 1**

In a Juice shop, the shopkeeper sells Mango, Orange and Pineapple milkshakes. Group of customers comes and orders milkshakes. Your Juice machine can deliver two different milkshakes in 1 second or 1 milkshake in a second. Find out the minimum time required to deliver these milkshakes.

**Test case 1:**

Total number of orders for Mango milkshake

5

Total number of orders for Orange milkshake

4

Total number of orders for Pineapple milkshake

4

Minimum time needed to deliver all orders is: 7

**Test case 2:**

Total number of orders for Mango milkshake

3

Total number of orders for Orange milkshake

0

Total number of orders for Pineapple milkshake

0

Minimum time needed to deliver all orders is: 3

**Test case 3:**

Total number of orders for Mango milkshake

1

Total number of orders for Orange milkshake

4

Total number of orders for Pineapple milkshake

2

Minimum time needed to deliver all orders is: 4