

TCS QUESTIONS-29.09.2021

Q1. A chocolate distributor unit has installed two new automatic arms for the unloading the chocolate bars from containers. Arm A has the capacity to unload one chocolate bar whilst the other arm B unload two bars at a time. In order for any two containers to be unloaded fully and simultaneously by both arms, the distributors has to choose the correct chocolate bars quantity (quantity “X” for container unloaded by arm A and quantity “Y” container unloaded by arm B) in those containers from supplier.

The task to develop a code to identify a pair of container quantities (maximum quantity 5000) such that both arms unload all chocolate bars from those containers fully and complete their unloading simultaneously so the following containers can be placed for unloading automatically .

The correct pair identified can be marked as ‘Yes’

And for incorrect pairs as ‘No’.

Example 1:

Input:

100---Value of X

200--- Value of Y

Output:

Yes—Print Yes indicating 100 and 200 chocolate bars can be fully emptied simultaneously

Explanation:

Arm A unloads 100s bars in 100 times Arm B also unloads 200 bars

in 100 times ; hence both the containers are emptied at the same time and the next pair of containers can be automatically placed

for unloading .

Hence, the output is a ‘Yes’.