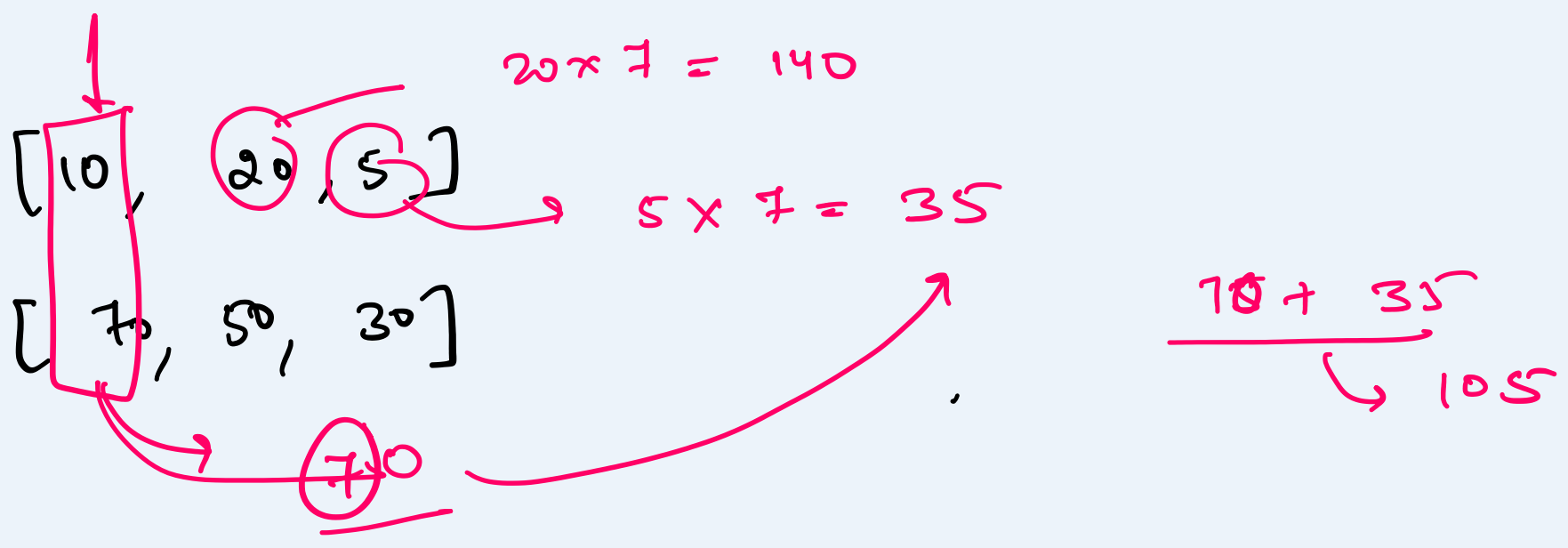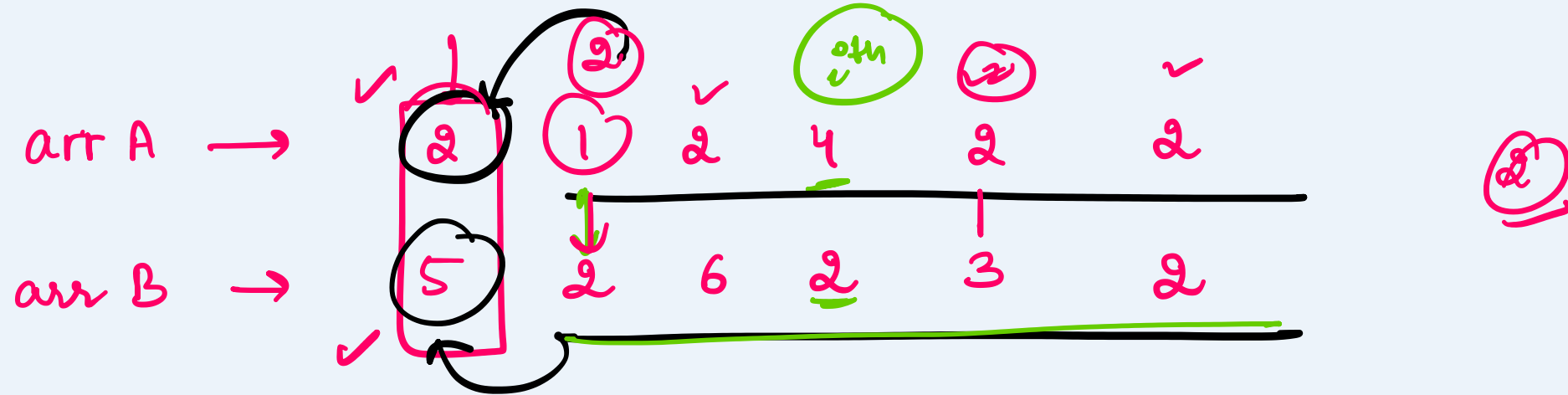**Q**   Minimum cost to hire k workers

At least one worker will be paid their minimum wage expectation.

Appoint every worker as captain once.

For each captain that will be paid their min wage expectation, we need to calculate the cost of hiring k workers with

$$wage [captain] / quality [captain]$$

$$20 \times 7 = 140$$

$$[10, 20, 5]$$
$$5 \times 7 = 35$$

$$[7, 50, 30]$$

$$\frac{10 + 35}{105}$$

$$7$$

Q   Minimum domino rotations for equal row

arr A →   2 1 2 4 2 2   2

arr B →   5 2 6 2 3 2

Three possible cases:—

① All elements of A | B to be same or equal to $A[i]$.

② All elements of A | B to be same or equal to $B[i]$

③ It's impossible to do so.

Q   Partition labels

Repeatedly choose the left justified pattern

a b   a b c b a c   a d e f e g d e h i j h k l i j