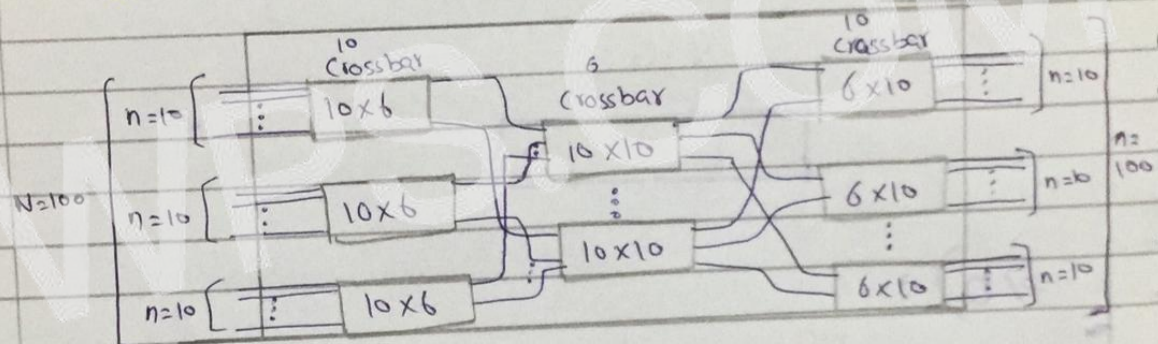


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Question #3(b):

we need a three-stage space-division switch with total inputs of 10,000.....?

Answer:
(a)



(b)

The total number of crosspoints

$$= 10(10 \times 6) + 6(10 \times 10) + 10(6 \times 10)$$

$$= 1800$$