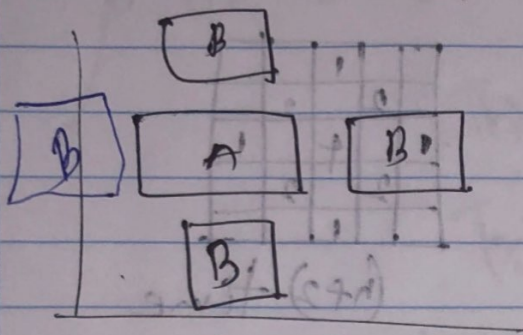
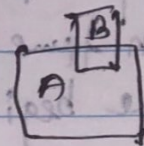
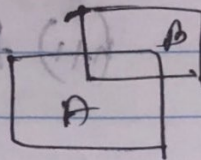


* Rectangle Area

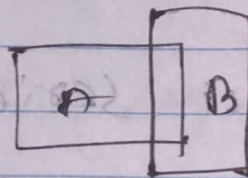
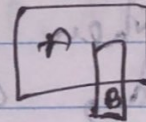
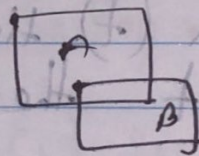


completely disjoint.

or



take the left most one as first & then consider,

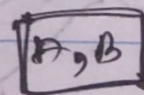
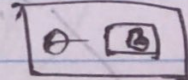
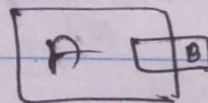


$$\min X = \max (A_{x1}, B_{x1})$$

$$\max X = \min (A_{x2}, B_{x2})$$

$$\min Y = \max (A_{y1}, B_{y1})$$

$$\max Y = \min (A_{y2}, B_{y2})$$



then subtract from the total area.