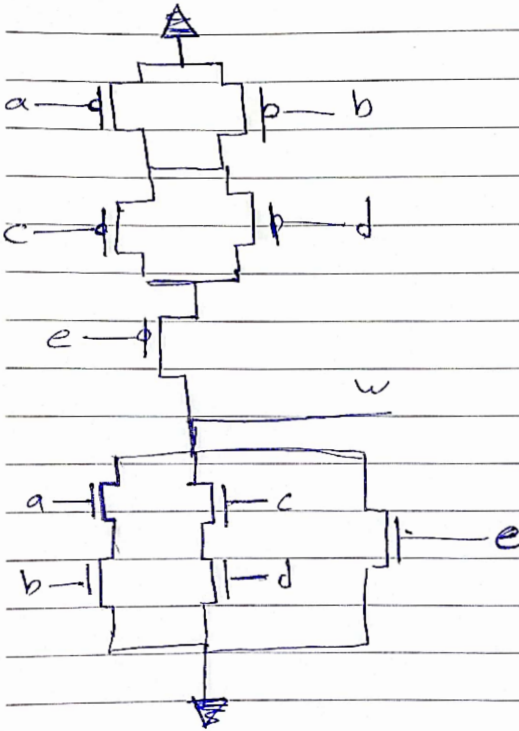


جواب سوال 1:  $\frac{1}{2}$  من pullup و pulldown



+20

$$w = (\bar{a} + \bar{b}) \cdot (\bar{c} + \bar{d}) \cdot \bar{e}$$

$$w = ab + cd + e$$

+15

