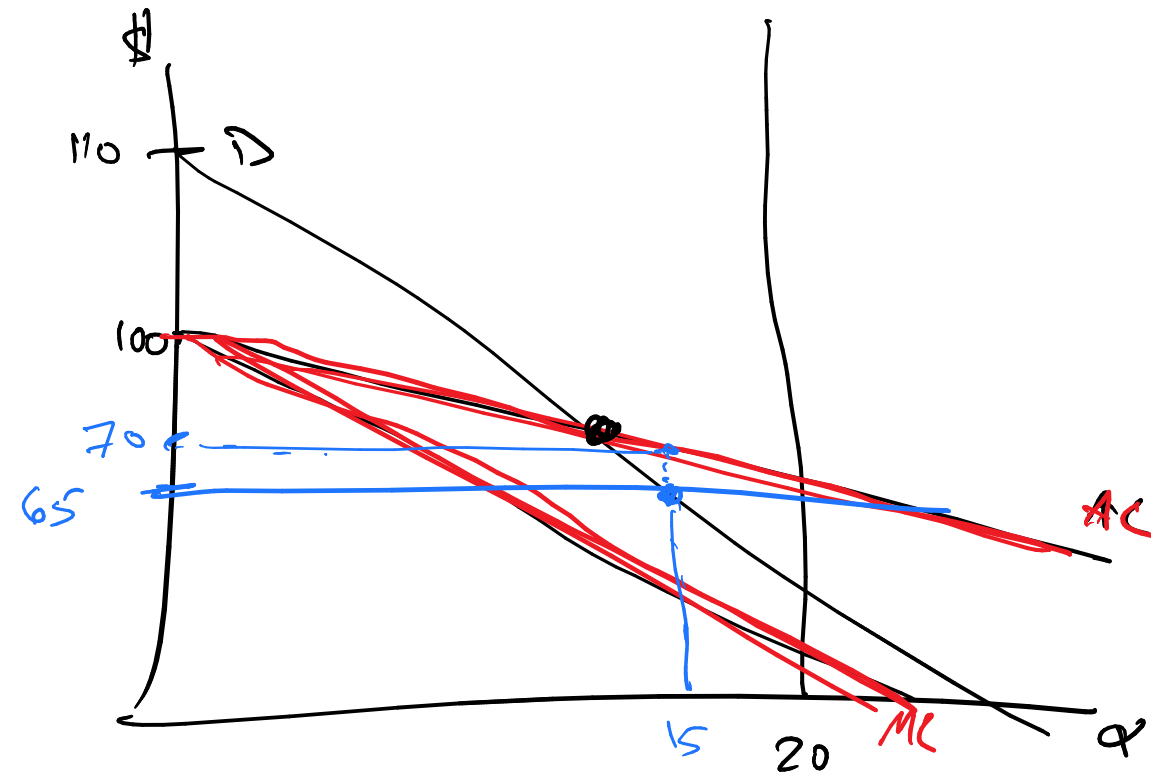


$$C = 100q - 2q^2$$

$$D = 110 - 3q$$

$$AC = 100 - 2q$$

$$MC = 100 - 4q$$



$$65 = 110 - 3q \rightarrow q = 15 \Rightarrow \text{Loss of } \$75$$

$$AC(q=15) = 70$$

$$110 - 3q = 100 - 2q$$

$$\boxed{110 = q}, \boxed{P = 80}$$

$$AC(q=10) = 100 - 20 = 80$$

