

例 12 $q=20$, AC 与 AVC 差 10, $q=40$, 差?

$$q=20 \quad AC = AFC + AVC, \quad AFC = 10$$

$$AFC = \frac{FC}{q} = \frac{rK}{q}, \quad FC = 200$$

$$q=40, \quad AFC' = 5 \text{ \#}$$

例 13 $MC = 10q$, $FC = 100$, $q = 10$, TC ?

$$TC = FC + VC = 100 + VC$$

$$MC = \frac{dVC}{dq} = 10q$$

$$VC = \int MC dq = \int_0^{10} 10q dq = 5q^2 \Big|_0^{10} = 500$$

$$TC = 100 + 500 = 600 \text{ \#}$$