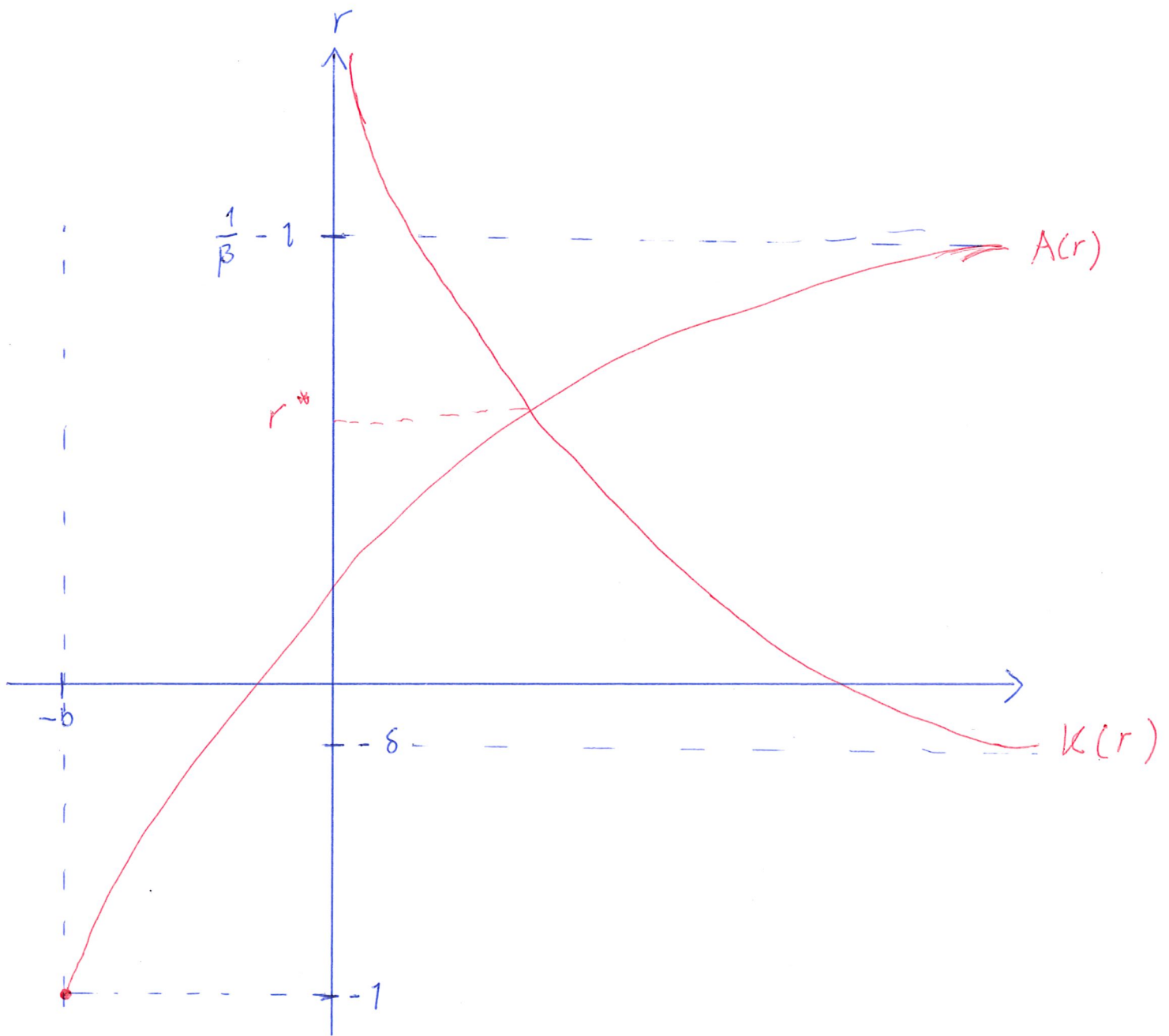


①



$$K(r) = \left(\frac{r + \delta}{\alpha} \right)^{\frac{1}{\alpha - 1}}$$

Euler's theorem

(2)

CRS:

$$F(AK', AL') = A F(K', L')$$

Differentiate wrt A:

$$F_K(AK', AL') K' + F_L(AK', AL') L' = F(K', L')$$

Differentiate wrt K:

$$F_{KK}(AK', AL') AK' + F_K(AK', AL')$$

$$+ F_{LK}(AK', AL') AL' = F_K(K', L')$$

~~$$\Rightarrow F_{KK}(AK', AL') AK' + F_{LK}(AK', AL') AL' = 0$$~~

Evaluate at $A=1$

$$\Rightarrow F_{KK}(K', L') K' + F_{LK}(K', L') L' = 0$$