

$$5. (a) MRTS = \frac{K}{L} \quad \sigma = \frac{K/L}{K/L} = 1 \quad (b) MRTS \frac{K/L}{L} = \infty$$

$$8. (1) \checkmark$$

$$(2) MRTS = \frac{MRK}{MRI} = \frac{2}{3}$$

$$(3) \times \frac{K/L}{3/2} = \infty$$

$$9. (a) A < (\lambda L^a + \lambda K^a)^B \rightarrow \text{递增}$$

$$(b) N_{Hq} = \lambda^{0.5+0.15} \lambda^{0.15} L + 0.15 \lambda^{0.15} K \Rightarrow \text{固定}$$

$$(c) [\min\{aL, bK\}]^a$$

$$> \lambda^a (\min\{aL, bK\})^a$$

$$\Rightarrow \text{递减}$$