T5. T6, T8, T9, /Ty box Week 3

$$\frac{dk}{\frac{k}{L}} = \frac{\frac{dk}{L}}{\frac{dMRTS}{MRTS}} = \frac{\frac{1}{2}k^{-\frac{3}{2}}L^{\frac{1}{2}}}{\frac{K(K+L)}{L}} = \frac{k^{-\frac{5}{2}}L^{\frac{3}{2}}}{2k-2L} = 1$$

$$\frac{5}{2} \frac{3}{L^{2}} = 1$$

(b):
$$F(K,L) = 2k+L$$

$$|M|_{L} = \frac{dg}{dL} = \frac{3}{2k+1}$$

$$|M|_{L} = \frac{3}{2}$$

$$|M|_{L} = \frac{3}{2k+1}$$

$$|$$

$$(Q=3k+2L)$$
 (2): MP_k = $\frac{ds}{dk} = \frac{5}{3}$ 国实验 $= 2(JL)+3(Jk)$ = $2(JL)+3(Jk)$ = $2(JL)$ = $2($

T9:

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