

Week 1  
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$AP_L$	$AP_K$	$MP_L$
4	1	20
4.3	2.15	23
3.8	2.85	14
3.35	3.35	10
3	3.75	8

2. (A)  $L$  大於多少,  $MP_L$  開始遞減?

$$MP_L = 21 + 18L - 3L^2 < 0, (1-3L-3)(L-7) < 0 \rightarrow L > -1$$

(B)  $L$  等於多少時,  $TP$  達最大?

(C)  $L > ?$   $AP_L$  開始遞減?

$$AP_L = 21 + 9L - L^2 < 0$$

3.  $AP_L = 500 \div 10 = 50$

$$MP_L = 50 \div 10 = 5$$

$$AP_K = 500 \div 5 = 100$$

$$MP_K = 100 \div 5 = 20$$

4. (A)  $Q = 5L + 10K$

$$(B) Q = \min \left[ \frac{L}{2}, \frac{K}{1} \right]$$

4.

$$(A) q = 5A + 10B$$

$$(B) q = \min \left[ \frac{4}{2}, k \right]$$