



例 3/2

1. $AP_L = \frac{q}{L}$ $MP_L = \frac{\Delta q}{\Delta L}$ $AP_K = \frac{q}{K}$

K	L	Q	APL	APK	MPL
20	0	0	0	0	0
20	5	20	4	1	4
20	10	43	4.3	2.15	4.6
20	15	57	3.8	2.85	2.8
20	20	67	3.35	3.35	2
20	25	75	3	3.75	1.6

2. $q = 21L + 9L^2 - L^3$

$21 + 18L - 3L^2 = 0 \Rightarrow (-L + 7)(L + 1) \Rightarrow L = -1, +7$

$7 + 6L - L^2 - 1 = 7L^L$ (A) 7

$18 - 6L \Rightarrow L = 3$ (B) 7

3. $L = 10$ $K = 5$ (C) 3

$MP_L = 5$ $q = 500$ $\frac{MP_L}{L} = \frac{MP_K}{K}$

$MP_K = 2.5$

$\Rightarrow MP_K = 2.5$

4. (A) $5A + 10B = 4$

(B) $L = 2$

$K = 1$