

A106x60103 鄭又靜

Q	APL.	APK	MPL.
0	0	0	0.
20	4.	1	4
43	4.3	2.15	4.6
57	3.8	2.85	2.8
67	3.35	3.35	2
75	3	3.75	1.6

A106x6.103 鄭又靜

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

$AP_K = \frac{q}{K}$

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

$21 + 18L - 3L^2$

$7 + 6L - L^2 \rightarrow (-L+1)(L+1) \Rightarrow L = -1, 7.$

$18 - 6L \rightarrow L = 3$

(A) 7

(B) 7

(C) = 3

3.  $L = 10$

$K = 5$

$MP_L = 5$

$q = 500$

$MP_K = 2.5$

$\frac{MP_L}{L} = \frac{MP_K}{K}$

$\rightarrow MP_K = 2.5$

4. (A)  $5A + 10B = 95$

(B)  $L = 2$

$K = 1$

