多 偉力公司生產函收為 8=10L°5火°5,且 W=Y=10

但設 K為 K。

3 g= 100 UK

= L = 100K

(A) 求短期成本函权, 变动成本 迅際成本函数

(STC=WLK &=f(L,K)=10L'SK0.5

STC= 10 x 82 + 10 Ko = 82 + 10 Ko

SAC = STC = 8 + 10ks + 9

 $SMC = \frac{dSTC}{d8} = 2\frac{8}{10K} = \frac{8}{5K}$

(B) 如何由(A)的答案反推,總成本函牧

dSTC = -82 10 = 0 => K% = 9

STC(K=K%)= 82 +10 8 = 8+8 = 28

當產量為20單位,AC · AVC的差為10元 40單位,AC · AVC的差為多少?

SAC = AVC + AFC

AFC = AC-AVC=10

7 => TFC = 10 × 20 = 200

TFC => == 500 = 5, AC HAVC 差5.

已知辺際成本函数為MC=10g,且固定成本FC為100元 花產量為10單位下之總成本

STC = \$10 108 d8 = 10 \$10 8 d8 = 10x = 10x = 10 = 500 - 0 = 500

STC - TVC + FC = 500+100 = 600