```
音9 A> 8 = MIn { 上, 4} W=1, r=2
                                              权制金=40
         B> & = Mm { \( \frac{1}{4} \), \( \frac{1}{2} \) ,
                                              权利金=100
    # 总成本=生產成本 + 权利金成本
   # 生產成本 = LTC = WL + VK = L + 2K
   # 成丰極小仁
 (A) (A) Q = \frac{1}{2} = \frac{1}{4} \Rightarrow 1^{*} = 2Q, 1^{*} = 4Q
   C= 1 x 28 + 2 x 48 = 108 , LTC = 108 + 40
     @ q = 4 = 1 = 1 = 49, K= 29 001 =
        C = 1x49 + 2x29 = 89 , LTC = 89 +100
(B) 生產 20,
   9=20, TCs = 240, TCs = 260
                                    0
(C) 生產 40.
   9=40, TCA=440, TCB= 420,
                                    B
(D) 產量低於?, 買 A.
TCA < TCB, 109+40 < 89. +100
                   29 < 60
9 < 30
```

```
盾11. 8=10L K , W= V=10 , K固定K
    # STC = WL + VK
     # 成本極小化
(A) STC, AC, MC
     8 = 10 L = K = 100k.
   STC = 10 × 100k + 10 K = 10k + 10K #
   SAC = \frac{q}{10k} + \frac{10k}{q} #
SMC = \frac{dSTC}{dq} = \frac{q}{5k} #
     \frac{dSTC}{dK} = \frac{-q^2}{10K^2} + 10 = 0 \Rightarrow \overline{K} = \frac{4}{10} (找长最小, 50 做 改为) 小
 (B) 反推STC = axx
      STC = 8+8=28 #
                              2萬月 A3 8 = Mm ( = 美)
蹟(2 8=20, AC有 AVC 差10, Q=40, 差?
 8=20, AC = AFC + AVC , AFC = 10
     AFC = FC = 1 FC = 200 IA = DTI = $ 1 4 4
  9=40, AFC'= 5 #
                        E 13. MC = 108 , FC=100, 9=10, TC? + XS + PSX = 0
     C = 1x 48 + = 2011 < = 1001 = 1
      VC = SMC dq = 500 109 dq = 592 0 = 500
      TC = 100+500 = 600 #.
                                               $ = 20.
                        TC= 240, TC= 260
```