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Week 9
Tuesday, 26 March 2024
    = 16/L
91) a) Ang Total Cost = TC
   Total cont (TC) = ATC X 2
 C) TC = VC + FE
1
   Ang Total Cost : Ang Variable Cost T
                   Ang Fixed Cost
             Varying with of
           (19)= (492+29)+10
           Avg VC Avg FC
           C(q) = 492 + 29 + 10
        2 = TK + TL
     8=5, w=50, 1=110
          = MPL = ZTK = JK
MPK
           W = MPL
           =\frac{w}{8}=\frac{50}{5}
                           —(2)
       K = 100L
     From (11 & (2)
     9 = 11002 + 12 = 1052 + 12 = 1152
      110 - 111 = 180
        K = 100 × 100 = 10,000
        90° TK + TL
        (90 - JL) = TK
          "K: (90- JL)2
         C= wL+ &K
         C = wL + \(\(\frac{1}{9}\)\(-\TL\)^2
            q = min (ak, bL)
             C- WLTRK
          4 K= 100, L=1
           then q=1 (means only 1 amit of K
is und, any goes wate)
          9= Sloon it 100a < b
4 100a > b
            For cost minimization ak = bL -(1)
              9= ak = bh
               C = \left(\frac{wq}{b} + \frac{rq}{a}\right)
                C = \left(\frac{w}{b} + \frac{8}{a}\right) 9
            Q = \left(\frac{W}{L} + \frac{N}{A}\right)Q
Q = \left(\frac{L^{2} + K^{2}}{L^{2}}\right)^{2}
MRTS = \frac{W}{R} = \frac{MPL}{M^{2}K}
Q = A
                  MPK = 29 = \frac{k^{-1}}{(L^2 + k^2)^{\frac{1}{2}}}
                 q = (k^{1/2} + k^{1/2})^2 = (21k)^2 = 4k
                       k = 1 = 1
                97 og æsignment.
                  f(x_1, x_2) = C x_1^2 x_2^6
                          - (a x_1 x_2 = MP_1 = f(x_1, x_2)
                                              Ca (a-1) 24 22
                  g/(x1, x2) = \(\frac{2}{2}\)
                  to ul, to the decreasing, Mi, <0
                    \therefore La(a-1) \chi_1^{a-2} \chi_2^b < 0
                                                     is decreasing.
                                               MPI
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