

```
cost (1) = min (c[dia) + cost(a)
 -05 050HO-
multistage Greaph solved example.
 Ca(12) =0
G(11) = 5 d(11) = 12

G(10) = 2 d(10) = 12

G(10) = 4 d(9) = 912
 C(8) = min { 05+2, 6+53 = 7.
 d(8)=10-4
  0(7) = min 2 3+4, 3+2 3=5
  d(7)=10
 c(6) = ming6+4,5+23=7
   4(6) = 10
  015) = min 211+5, 8+73=15
    d(5) = 8
   G(04) = ming 11+7 3:18
   d(4)=8
   (13) = min & 7+5, 2+73 = 9
     d(3)=6
    C(40|2) = min \{4, +7, 2+5, 1+7\} = 7
d(2) = 9 \{4, +7, 2+5, 1+7\} = 7
    c(1) = mingg+7,8+9,3+18,2+15 }
       d(1) = 7
            -7-10-12
    minimum cost = 9
         c(11,12)=
                   min (C(12,11)
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mullistage Grouph Exercise 1, fig 5.4

(cost(j)) D(j)
  cost (11,12) = min 50+
  cost (11) = min { (0st(11/12) + (0st(12/12)}
 = \min_{s \in S} \{ 5+0 \}.
m = q.
f = n-1 = 8, \cos t (1:q) = 0
 cost (8) = min ((8,9)+ (19)
 d(8) = 9 3 to = 3
cost(7) = c(7,9) + c(9) = 7 + 0 = 7.
cost (6) = min { cost (6,8) + cost(8), cost (6,7)+ cost(7)}
    d(6) = 8. 5, 133 = 5
(ostd(5) = onin { cost(5,8) + (ost(8), (ost (5,17) + (ost(7))}
       = mih & 2+3, 6+73 = 5
    9/12) = 8.
costrar = +11 7 7 83 = 87 7 d(4) = 8.
40) = ( ministers, 200 ] = 8
person = min (9+10, 5+87 -12
   1-3-5-8-9-
                       12
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