

{A,D,C,G3 1HY [20[g]={-1 for each row each ecolomn yee] function M(isi): if( 5=0 or i=0): return O if (dp[i][j] ≠-1): return dp[i][j] Evals = [] for each vi in (v1,..., ve): lvals append (v; +M(i-v;, s-1) return de Lidlijs max luals 4

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(b) function M(m, c):
      do [x][y]=[o for each (x6m and y=0)
                    o for each (yee and x=0 ]
      for each i cin (a, ..., m)
         for each sin (o, ..., c):
            lvals=[]
            for each vimlunine)
                 if (i-va 60) or (5-160):
                    Ivals append (0)
                    Ivals append (v; + dp[i-vi][j-1])
             dp[i][j] = max fluals's
      return dp [m-4] (c-1)
   O(mxcx/2 Percorrer a lista em cada passo
      Upreencher linkas
        Preencher columns
 dx=1-1, -1, -1, 0, 0, 0, 0, 11, 15
dy=1-1, 0, 1, -1, 0, 1, -1, 0, 15
 vistelly) = , La for , ock n and y kn]
 function flood-fill (x, y):
     if (vis (x, y) to) if (& co or z wor
                              (420 or 3 3 4) return
                            ifintx, y] =1) return
      vis [x,y]: 1
      for & in (0,000, 8):
          nx= x+dx[d]
           ny:= y + dy [d]
         flood-fill (nx, ny)
 for x in (0,...,n)
    for y in (o, ., n)
       if (vis [x, y):0 and M(x, y) =0):
          flood-fill(x, y)
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