

```
, Beka Soluhoza
 Is Holia: -> Teranspose
 I'm Revouse every Row
           10311,1 ( -> FIJ10)
           [0] [2] [0] [0]
           10][3] - [3][0]
                                       2 6 10 14
           [1] [2] - [2] [1]
                                        3 7 11 15
                                       4 8 12 16
  code: def scotate (matrix: list )
             n= len (makux)
              It Thonepose the notice
              for i in sunge (n)
                   for j in monge (i):
                       makux [i][j], makix [j][i] = matrux [j][i], makux [i][j]
                 It paverse each from tot the motive
                 for i in monge (n)
                       matrix [i] · Mcourse ()
# feeblem! Marge Overlapping Subutervals.
  given an array of intervals, murge all the overlapping intervals and Hetwin
     an array of non-overlopping intervals
     def mageovarlapping Intervals (arr: ListList Lint 1) -> int:
            n = len carry
                                                 Tic : O(N* 109N) +01210)
            # Sout the given interval
                                                  S.C + O(N)
             arr. sout()
             ans=L]
             for i'm sungern):
                   stour, end = arreisto] arrtistis
                   II ship all the morged intervals
                    if ans and end <= ans[-1][1]!
                          continue
                    II check for the rest of intervals
```

```
for j in mange (it1, n):
          is arritifo] <= end:
             end: moxiend, arrlists)
          else 1
             bycok
    ans append (tstart end)
  Hetrun ans
# optimal:
      det morge over - - -
          n = len (orr)
           () +402.860
           Gns:[]
          for i'm ronge(n):
                # if the current enterval does not
                # he in the last interval
                if not ans or arrivilled ? anst-1711.
                     ans append (arrli])
                # 1/2 the current tolerval less on
                 -fre last interval
                 else:
                    anst-17[1] = max (ons[-1][1], art[1][1])
             Hetury ans
```