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Question 777
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the closest pour point prollen 701 this yeestion."

(loses & splix Poir (Px, px, rd))

St = C)

For p in Px:

i 2 Px cn(1)(0) -d r= P Co) r= PKEn(1)(0) +d

St. opt and (p)

For i=7 to 1571-7

For j7 to 7

10 + Pry = 5(1), 5, [7)

17 d (114 56est

6est = c(114)

(losesthour (Px, Py) L = Px E:P(L) R = Px E:P(L) Px = P

Q-47 H2

Ronget.

it len(s) s=s
(er=rn Grekekell cs)

letter (ight = CD, CD)

start = int((en (o) /2)

For i in runge (start);

letter upond (uci))

For i in runge (start, lun(o));

righte opport (uci))

lettehul = (bncex - bull (lett))

ringht - bull = (uncex - bull (right)

return morger (lettehull, right - bull)

Time Complexity

The margerman a least one right concex. hell take out time
one of we sore dividing the points into two equal
forts, so the time complexity of the obour objections olderal

TCC-MENCE ET-L-NEE

T(n) = 27(N/L) + OCN)

BEST C-SE OCOLOGO)

Laurst Case

rocurvace.

7(n) = 7(n-7) + O(n) $7(n) = \alpha n^2$

```
Oces 7hm #3
 we some the problem
                                 with nin-cost clittore
 methou
   der minds (so, sz, len-Still, len-Stt2, dp)
     17 (100-147==0)
         return len-strz
     17 ( (M-S+12 ==0)
          return venstr7
     i7 (dpfdenESA7) [Jonstr2] 1=-7
          (return dp [len ystr]) Lien-str 2]
      17127Ellen - SK7 + 7] = F 5 2 Clen - St 2 - 7]);
         i 7 (.lp [ lan-SH7] [lan-SH2]) == -7);
             UP[ 12n-Str7) [10n-Str2] = min Dis (57, 52, 12n Str7-7, dp)
         else:
             dpc/m=skr7] (1m-skr2) = dpc/en-skr7-7)[/mskr2-7)
            cetern dpcl-n-str7) Cdp
       :7 (Ap [len_skr]=1)[ (en:skr2) (=-7);
             m7 = UPC 1en-5H7-1)[1en5H2]
                                                          11F21
       else!
                                                          065
          - - - min Discs 7, 52, 10 - SH7 - 7, 100542 (dp)
                                                          delen
        : 7 CUPCINSK7) [=-7] (=-7);
             m2 = UP( lenstra) [ /1n-str 2 -7]
        else
           m2=min 0.5(57,52,14m-547,1-m-5/22-7,0p)
        : 7 C UPC/m-547-7 ][1m-542-7) !=-7):
           m3 = dp [lin - Str.7 +7) [1-m-str2-7) +2
céine
        elje i
            1] = min Pil (57,52, 18, -5, 17, 1 -7, 1 -7, c/e) - -
        do [10-141) [1024.5) = 1 - 1 min (m2, min (us, m))
```

CamScanner ile tarandı

Time Complexity

malentstril

n=lentstril

7(0) = 0(0.1)

17 most==(7 tsi)|); || buse cose

return d:rt[7)[i)

11 nemorization

17 nemoci)[most] |=-7;

return nemoci)[most]

res=-7.

Herocology of notes in mask

For j in rose (1, n+1);

if (nose & (7 crj) (= ond j != 7;

cs = mox (res, fron (jimuse & (~(7 cri))) + distili)

memoci) [nose) = res

return res

Time (unple kity: O(n2.21) where O(n2) are asking maximum numbers of unique supproblems (skutes ons O(n) for transition (through for loop of incode) in e-ely skutes.

Note: we are modifient the function that calculates the minimum to make it makinize. def igredy-oly-rithm (untros-location);

Onteno-locations of the legislandor's xix ())

Selected-on-tennos = E)

izo

while it len ion teno-location);

(unent-on teno-location);

selected-on teno-location);

selected-on tenos, ope and (verant-ontenos)

will the item tenos ope and (verant-ontenos)

i = 7

(= correct-onteno E);

curant-on teno = onteno-locations Ei);

return selected won en

TI FIRST Step Surling: Surling ontones GWELLEN the Shirting point of their coverage oness. This ensures flot Heleth and of the courage ones of each orteness is groter than that of other orteness.

2. Second Stop! locerage Area selection: Stort reletition on tens

Then surther list. After selecting each ontenno record the end polyport of its cocaract or es

3. Third stop: Selecting the Curent Antenno , Between selecting the next entenno, check it the shipting points of this enterno is groter than the Rendpoint of the exercise of orea of the previously selected entenno it it is greater selected this on tenno ofly wise slip to the next one · Repeat these stops entil reaching the matiem necessions,

Time und then unkny ore selected in a single poss.