Youels in Range

012345

A= scaley.

$$Q = \begin{bmatrix} 0 & 4J & \rightarrow 2 \\ 24J & \rightarrow 2 \end{bmatrix}$$

sca Leu. 001010 pf[] = 001122.

Minimum Pich.

ans =  $\begin{bmatrix} man & [o] & Even \end{bmatrix}$  -  $min & [odd] \end{bmatrix}$ =  $\begin{bmatrix} 100 & -1 \end{bmatrix}$ 

nowely = a, e, i, o, u.

little pony & Bitwise Operator -2 Disjoint Subaway no overlap. <u>Mo</u> Bitwise AND of 1st subaway
Bitwise OR of 2nd subaway = mapimum. 0 1 234. 1 A=[55 434] 4: 0100 3:0011 AND - 5 OR > 7. 0000-[0 0] →5 [1 0] [0 1] →5 [12] 4: 0100 [02] -4 (13) 5:0101 [03] -0 0100 To 4) 40 Sum= 5+7 = 12 3:0011 5:0101 A=[3561] OR : 0111 AND = 6 08.= 7. Sum = 7 +6 = 13 AND = cannot incherge 10 10 1 UUUUNIXXXX A: YYYYY

```
OBSI: AND of a number can remain game or demonse
OR: 10101 detrever
                          10101
                           10101
     1 2 32 8 4 ) stor= 3 3
in suffice v
            op2! OR = 2 8um = 3um = yu.
  AND = 32
                  OR = [2 | 32 | 8] = 42 8um = 46
   AND = 4
            N# (N)0
        TC: O(NY)
     inder D
      PfOR= (
forli=0; i<N;i+e) d. HTake caux of corner case
tempAm= max (Pfli-1), Sflite1) + aroli]
         ans max (ans, tempon)
                                            N=105
                 TC: O(N+N+N) = O(3N) = O(N)
                 SC! 0(2N) = 0(N)
```

```
they = take
       forli=1; i2N; i++){.

if abs(ali] - a[i-1]) > b) {.

they = toue; break;

}.
                                  of ( flag) return 0;
                                                                                                                                                                                                                                                                                                                      CP = N-1
                         torli=b; i< N; i te)

if abs(ansi] - ans [i-1] <= b)

Si=i

ele
break.
                                        e: = N-1
                                             for(i= N-2) i>= S; ii--)

if (abs (arofi) - aro [i+1]) <= b) s

ei=i

break;

lab ]=
                                                                                                                                                                                                                                                                                                                                                                                      rabje batt.
                                              ans= N.

e_{i-1} - e_{i+1} + 1

fort l = s_{i}

fort r = e_{i}; r < N; \sigma + e_{i} + 1

fort r = e_{i}; r < N; \sigma + e_{i} + 1

fort r = e_{i}; r < N; \sigma + e_{i} + 1

fort r = e_{i}; r < N; \sigma + e_{i} + 1

fort r = e_{i}; fort r = e_{i}

fort r = e_{i-1} - e_{i-1}

fort r = e_{i-1} - e_{i-1}

fort r = e_{
```

