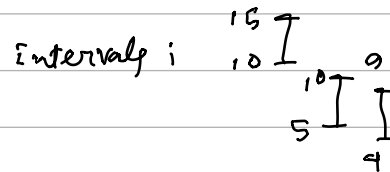


0 Maximize Score of Numbers in Range:

arr: [10, 5, 4, 20]
d = 5



chose 1 number from each interval.

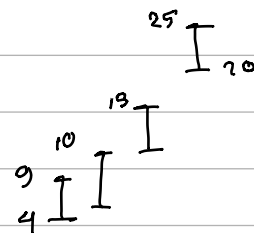
letsay $\{x_1, x_2, x_3, x_4\}$

Score of this choice = $\min \{abs(x_j - x_i)\}$

Need to maximize the score.

Vlad's solⁿ:

sort: 4, 5, 10, 20

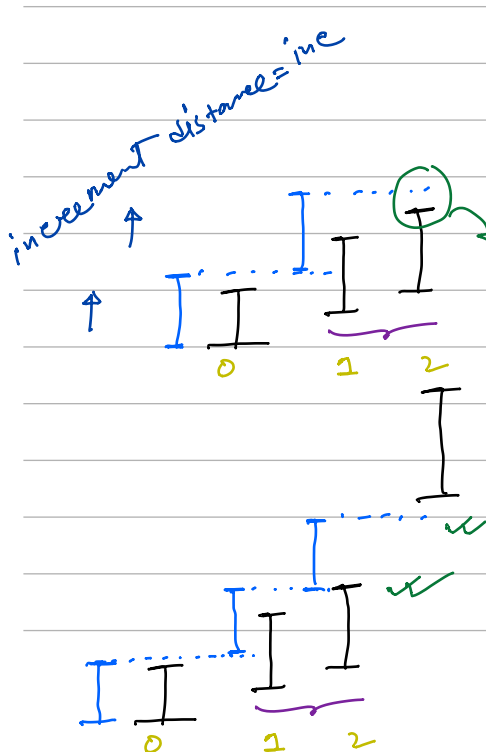


Binary search $l = 0, j = (10 - 4) = 6$

↳ can't have less than 4 from interval 1
" " more " 10 " " 2

* Algo to check whether a minimum diff = d possible in these intervals.

int = { {2, 8}, {9, 11}, {12, 22} ... }



This problem arises because the inc value is not small enough.

(need to take small value of inc)

height = intervals[0][0]

for(int i = 1; i < n; i++)

height = max(interval[i][0], height + inc)

if (height > interval[i][1])

// This inc is not minimum,

