1187 C Vasya & Array

① If $t_i = 1$ for $[l_1, r_1]$ & $[l_2, r_2]$ such that $l_1 \leq l_2 \leq r_1$ then

$[l_1, r_2]$ → is sorted.

② Use 'merge-intervals' solution to merge the intervals which are intersecting in case of sorted pair intervals. → $t_i = 1$

③ Once merged, for each interval with $t_i = 0$ → $[p_1, q_1]$, check if it lies completely inside some interval $[l_1, r_1]$ with $t_i = 1$. If it does, we can't create array - 'No'

④ If it doesn't overlap, initialize an array sorted in descending order.

⑤ For each of the merged intervals :

$[l_1, r_1]$ $[l_2, r_2]$ $[l_3, r_3]$ $[l_4, r_4]$

where → $l_1 < r_1 < l_2 < r_2 \ldots$

sort $(a+l_1, a+r_1+1)$, sort $(a+l_2, a+r_2+1)$ ...

Keep sorting for all the intervals.

⑥ Output 'YES' & print array a