```
Binary Search
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 $\frac{\text{array} \rightarrow [20, -30, 10, 5, 7, 0, 29, 6, 6, 6, 6, 6, 6, 6]}{1 - 2 3 4 5 6 7 8 9 10}$

Osoblem - Position of first infinite element

output -> 7

for loop

Linear Search -> if arr(i) = = 'inf'

-> return i

Binary Search -> mid=i+(j-i)//2

if arr (mid) != inf'

2> Right side of the mid

if arr (mid) = = 'inf'

Previous index element > 1= '∞'

Liveturn mid

otherwice

Left side of the

Note - Array (Logically apply binary search)

(Left side & right side

movement)