Assume that in the solution, the selected slot from slotsA is bigger than the respectively selected slot

Do the same in step N° 1 but now assume that the selected slot from slotsB is bigger, return the

Use two pointers in order to try all the possible intersections, and check the length.

Array

Hide Hint 1

from slotsB.

Hide Hint 2

Hide Hint 3

minimum of the two options.

Two Pointers Sorting

*i* Java 

◆ Autocomplete *i* {} 5 ⊕ □ 1 ▼ class Solution { public List<Integer> minAvailableDuration(int[[] slots1, int[[] slots2, int duration) { Arrays.sort(slots1,  $(a, b) \rightarrow a[0] - b[0]$ ); Arrays.sort(slots2,  $(a, b) \rightarrow a[0] - b[0]$ ); int pointer1 = 0, pointer2 = 0; 8 ▼ while (pointer1 < slots1.length && pointer2 < slots2.length) {</pre> // find the boundaries of the intersection, or the common slot 9 10 int intersectLeft = Math.max(slots1[pointer1][0], slots2[pointer2][0]); 11 int intersectRight = Math.min(slots1[pointer1][1], slots2[pointer2][1]); 12 ▼ if (intersectRight - intersectLeft >= duration) { 13 return new ArrayList<Integer>(Arrays.asList(intersectLeft, intersectLeft + duration)); 14 15 // always move the one that ends earlier if (slots1[pointer1][1] < slots2[pointer2][1]) {</pre> 16 ▼ 17 pointer1++; 18 ▼ } else { 19 pointer2++; 20 21 return new ArrayList<Integer>(); 22 23 24 }

▶ Run Code ^