

counts.

* Find K pairs with Smallest Sums.

$[1, 7, 11]$

$[2, 4, 6]$

$K=6$

push to priority Queue. $(0,0)$
Keep track of visited pairs.

• push to a pq all $(0,0), (1,0), (2,0) \dots$
upto $\min(\text{len}, K)$. Then pop &
push $(\text{pop}[0], \text{pop}[1]+1)$. No need to

worry on $(\text{pop}[0]+1, \text{pop}[1])$ as it's
already going to cover by another pair.