

* IPO *

profits = [_, _, _, _]

capital = [_, _, _, _]

 $K = \# \text{ of selections}$ $w = \text{initial weight}$

add pairs to a min heap.

pop from min heap; capital \leftarrow weight *

add profits of each to max heap.

pop and add to weight.

If ~~the~~ pairs reach to end before K ,
 even then we need to select further
 for highest profits