

Selection Sort

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Algorithm is Permutation (A, B)

~~1~~
P1 \leftarrow new priority queue using C.

P2 \leftarrow new priority queue using C

while ! A.isEmpty() do

~~e~~ \leftarrow A.remove(A.first())

 P1.insertItem(e, e)

while ! P1.isEmpty() do

~~e~~ \leftarrow P1.removeMin()

 A.insertLast(e)

while ! B.isEmpty() do

~~e~~ \leftarrow B.remove(B.first())

 P2.insertItem(e, e)

while ! P2.isEmpty() do

~~e~~ \leftarrow P2.removeMin()

 B.insertLast(e)

while ! A.isEmpty() and ! B.isEmpty() do

~~a~~ \leftarrow A.remove(A.first())

~~b~~ \leftarrow B.remove(B.first())

 if ~~a~~ \neq ~~b~~ then

 return false

return true