

Question 10.

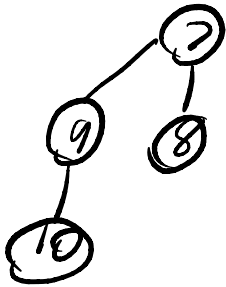
This is a minheap.

Insert 7, 8, 9, 11.

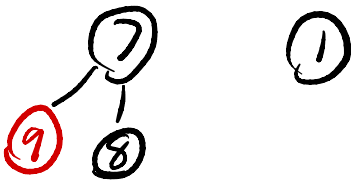
⑦ ⑧ ⑨ ⑪

Decrease 11 \rightarrow 10

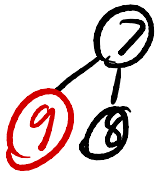
⑦ ⑧ ⑨ ⑩



Decrease 10 \rightarrow 1.



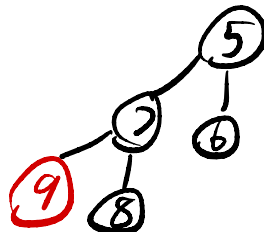
popmin



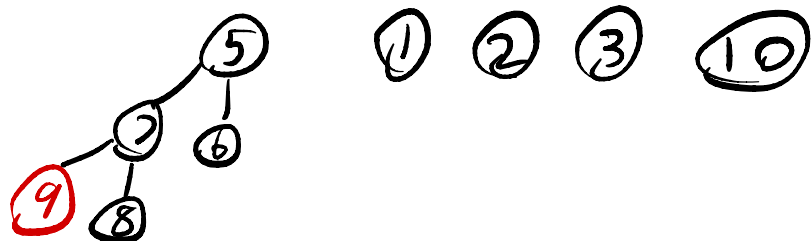
Insert 5, 10



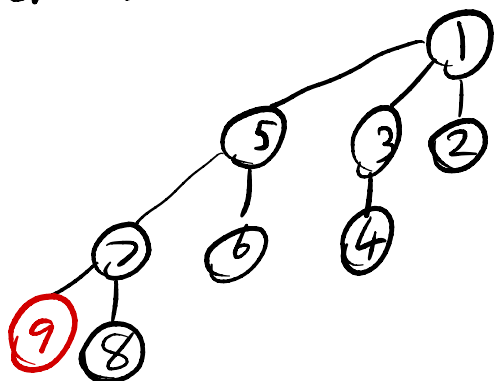
Decrease 10 \rightarrow 6.



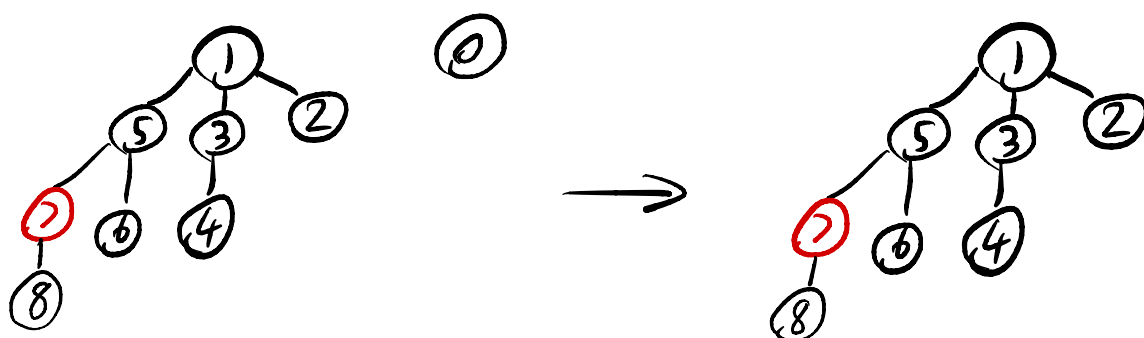
Insert 1, 2, 3, 10.



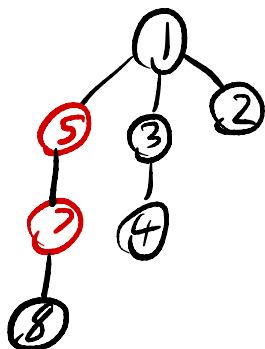
Decrease 10 \rightarrow 4.



Decrease 9 \rightarrow 0, then popmin



Decrease 6 \rightarrow 0, then popmin



Decrease 4 \rightarrow 0, then popmin.

