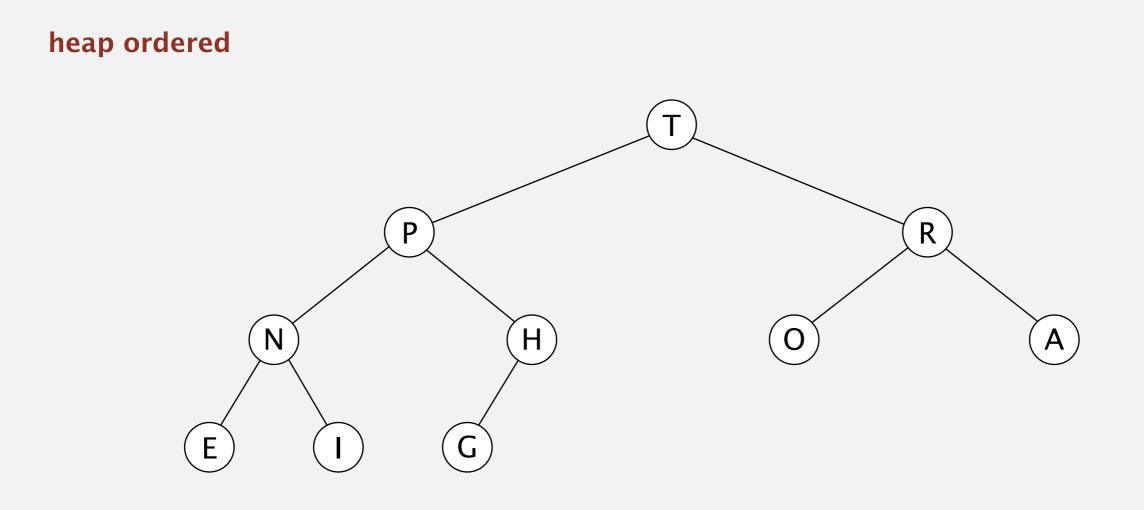


### click to begin demo

Algorithms, 4th Edition·Robert Sedgewick and Kevin Wayne·Copyright © 2002–2011·February 23, 2012 4:05:44 PM

Insert. Add node at end, then swim it up.

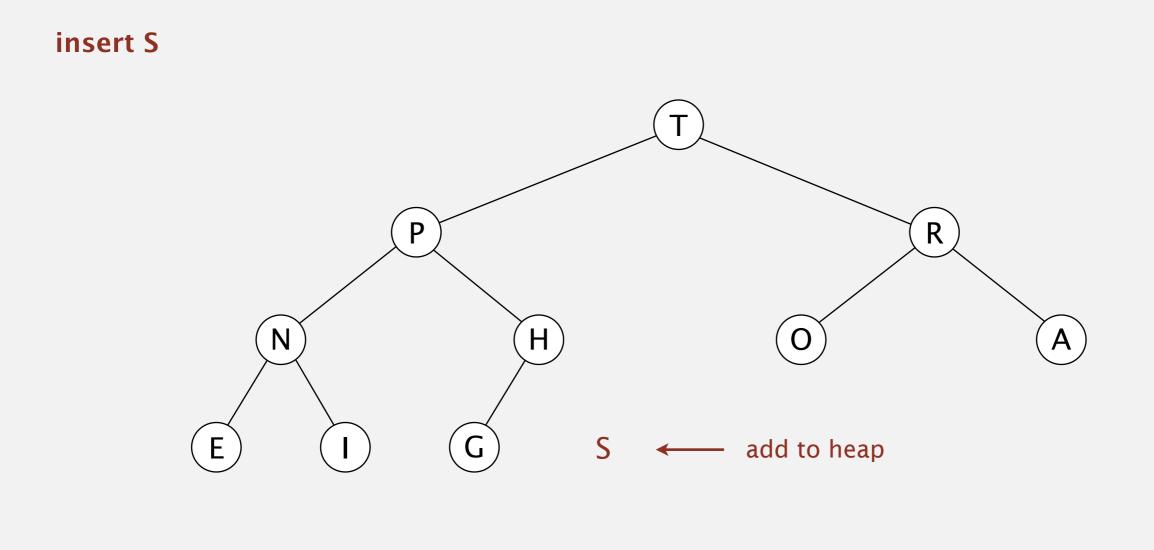
Remove the maximum. Exchange root with node at end, then sink it down.



## T P R N H O A E I G

Insert. Add node at end, then swim it up.

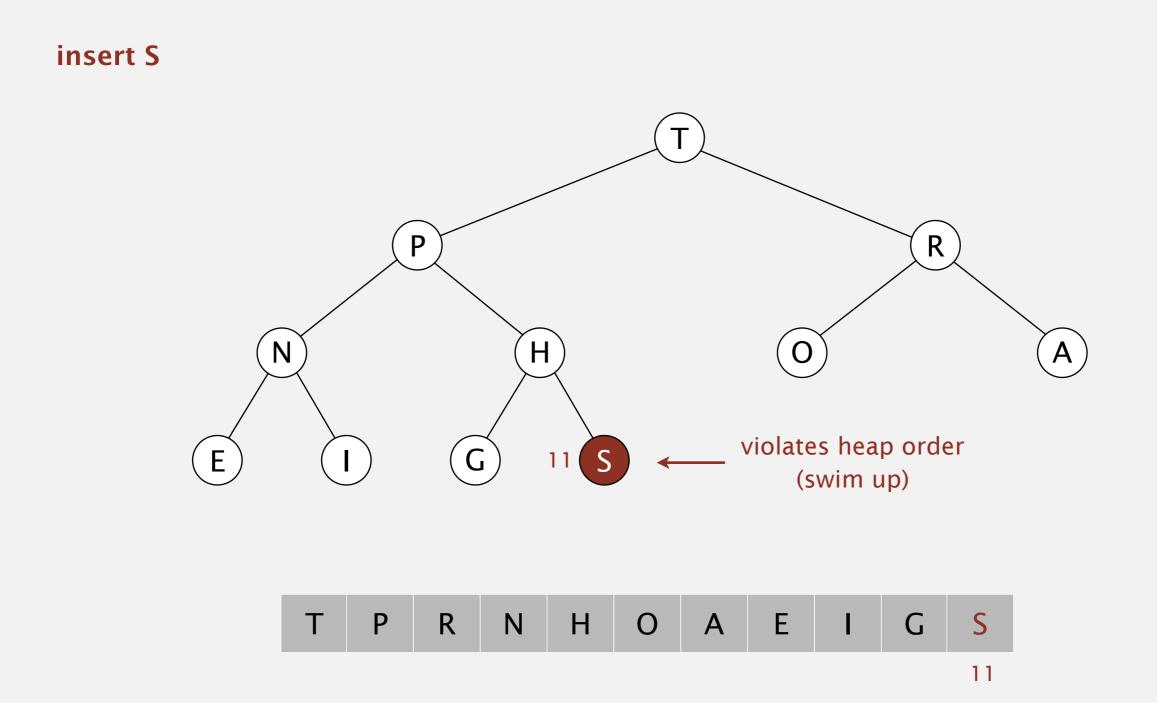
Remove the maximum. Exchange root with node at end, then sink it down.



T P R N H O A E I G S

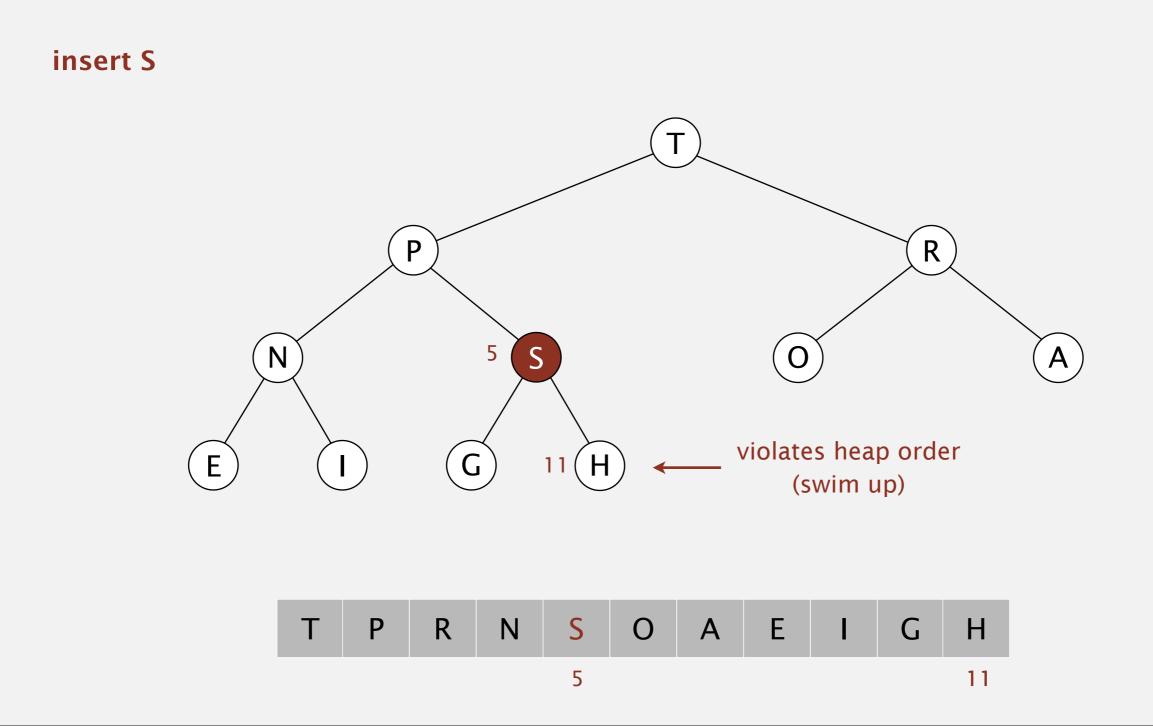
Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.

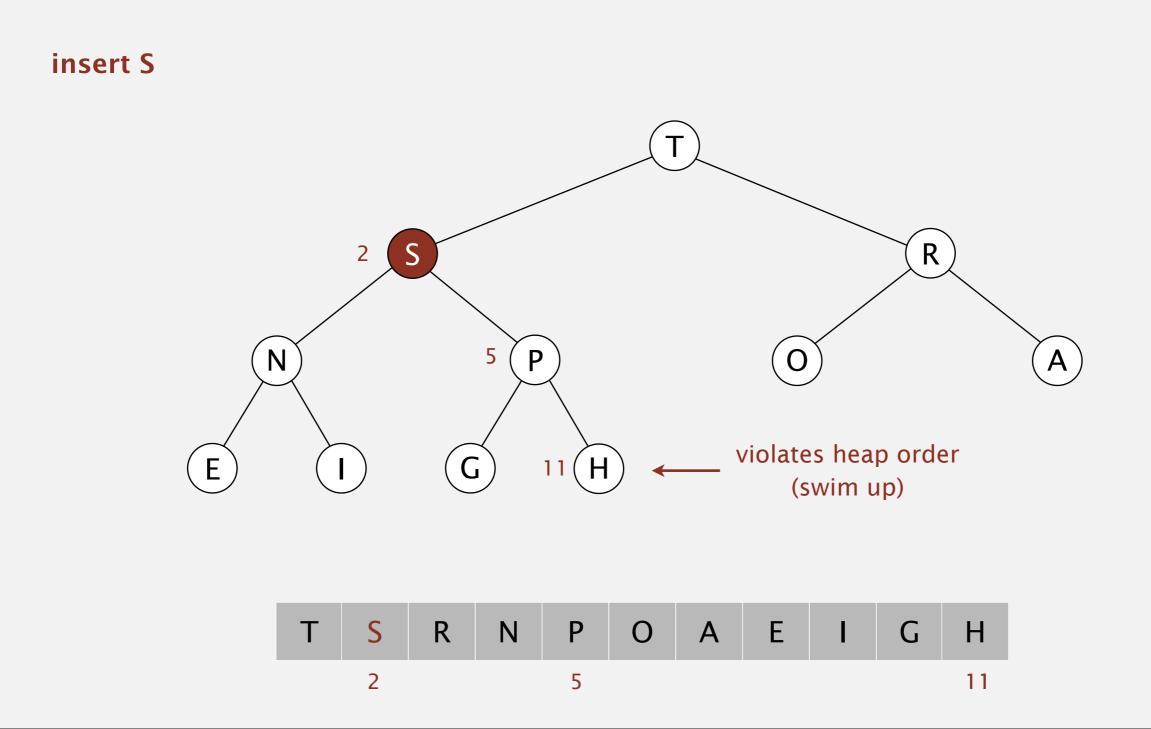


4

Insert. Add node at end, then swim it up.

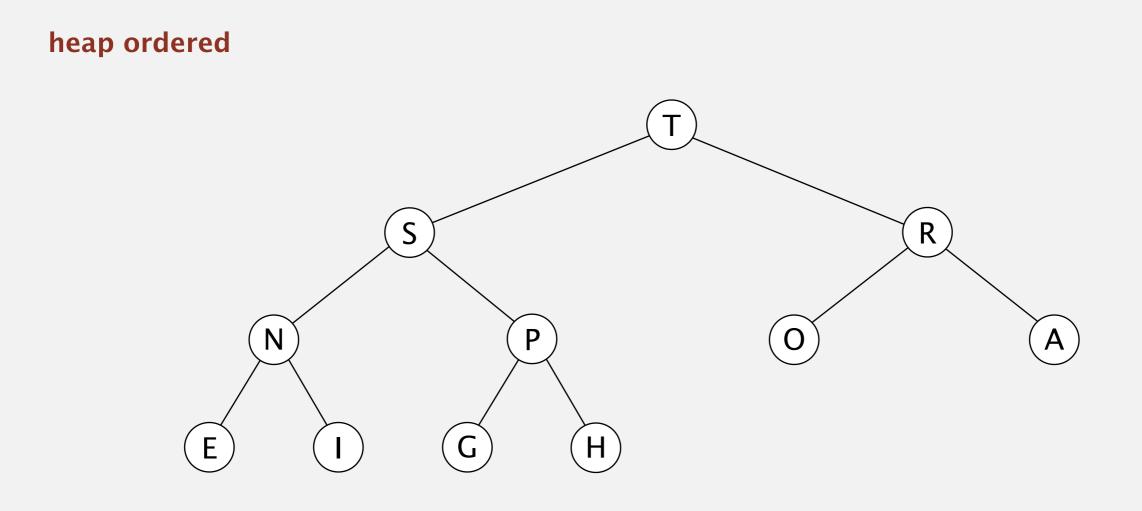


Insert. Add node at end, then swim it up.



Insert. Add node at end, then swim it up.

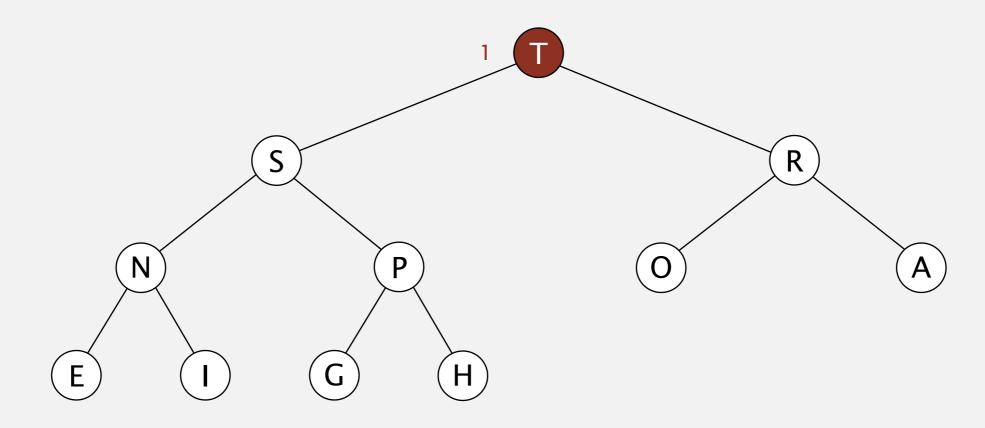
Remove the maximum. Exchange root with node at end, then sink it down.



T S R N P O A E I G H

Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.

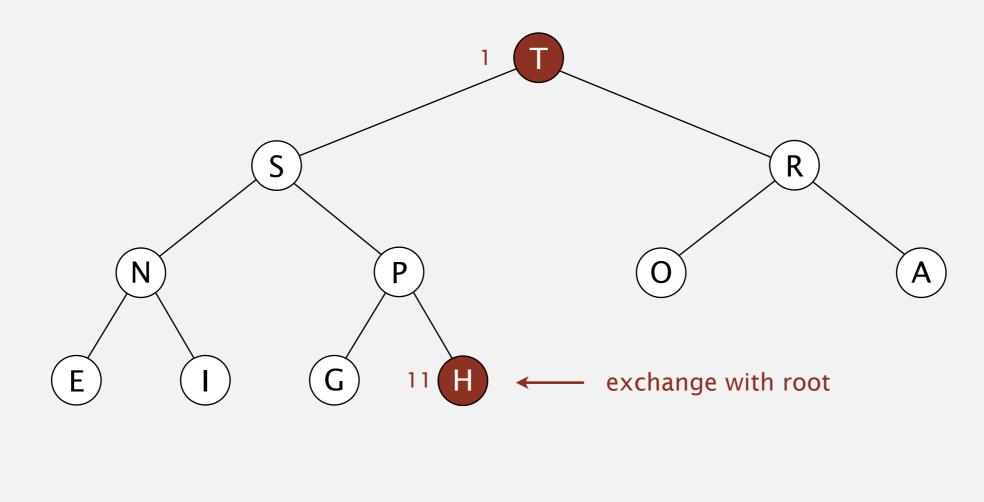




Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.

#### remove the maximum





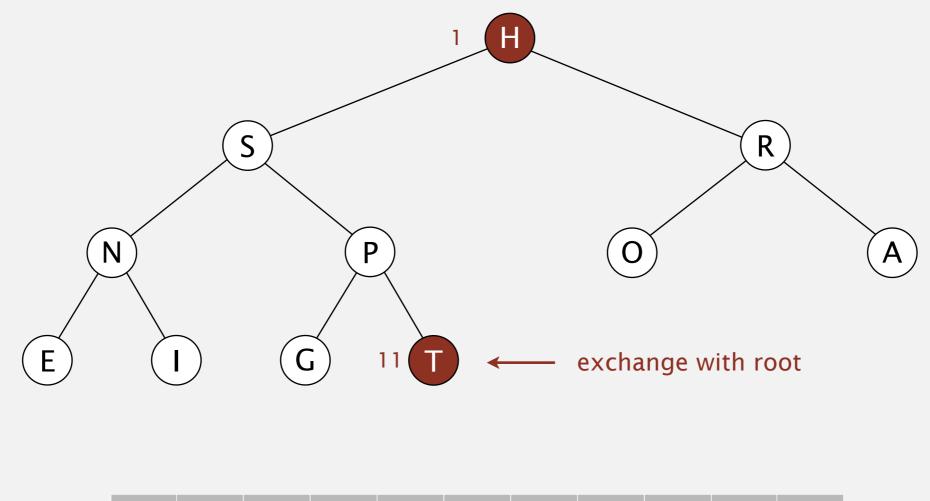
11

Insert. Add node at end, then swim it up.

1

Remove the maximum. Exchange root with node at end, then sink it down.

#### remove the maximum



H S R N P O A E I G T

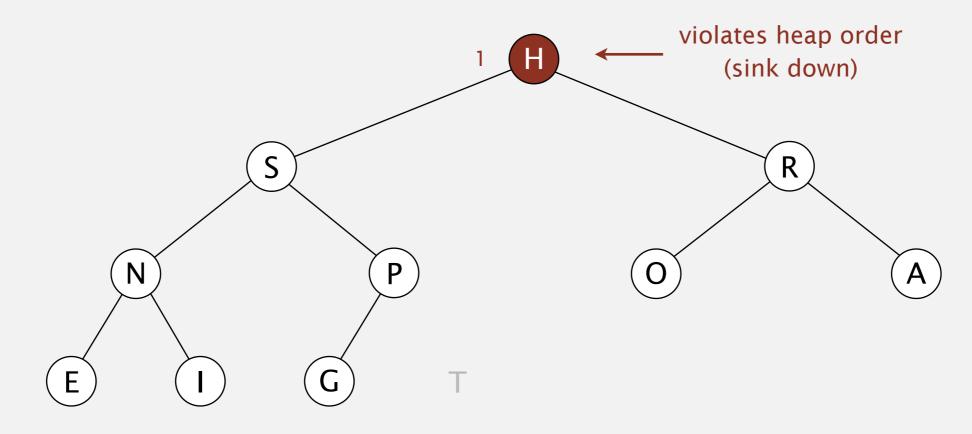
11

Insert. Add node at end, then swim it up.

1

Remove the maximum. Exchange root with node at end, then sink it down.

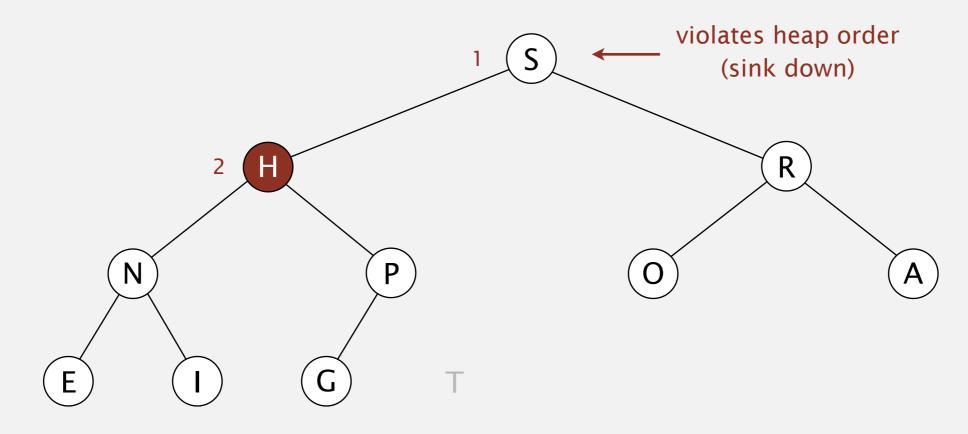
#### remove the maximum



# H S R N P O A E I G T

Insert. Add node at end, then swim it up.

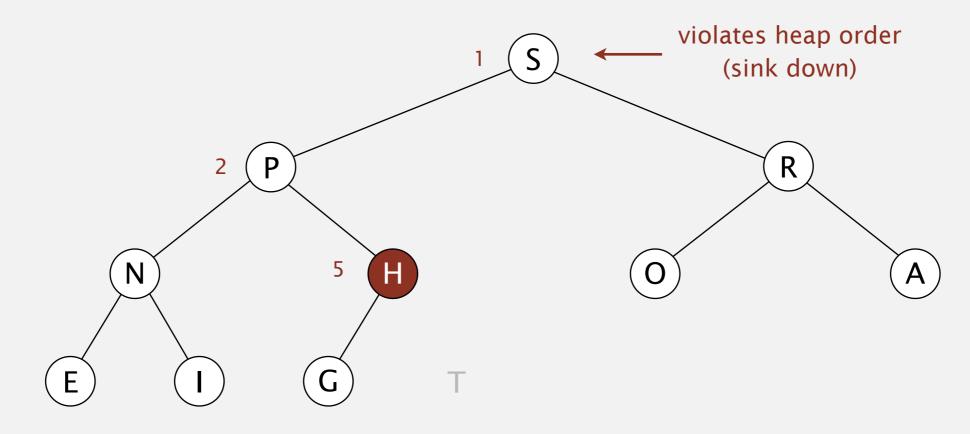
Remove the maximum. Exchange root with node at end, then sink it down.





Insert. Add node at end, then swim it up.

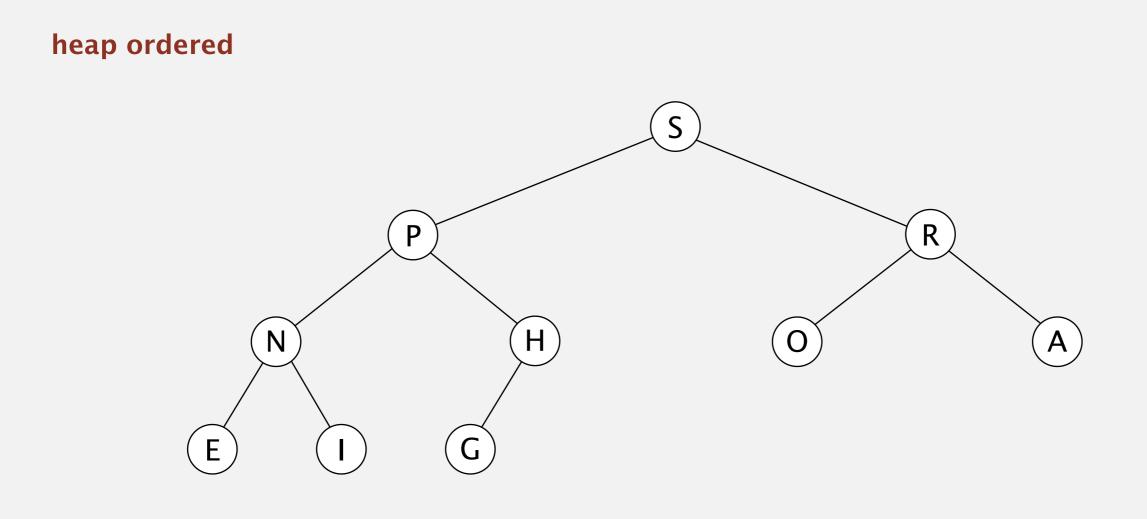
Remove the maximum. Exchange root with node at end, then sink it down.





Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.



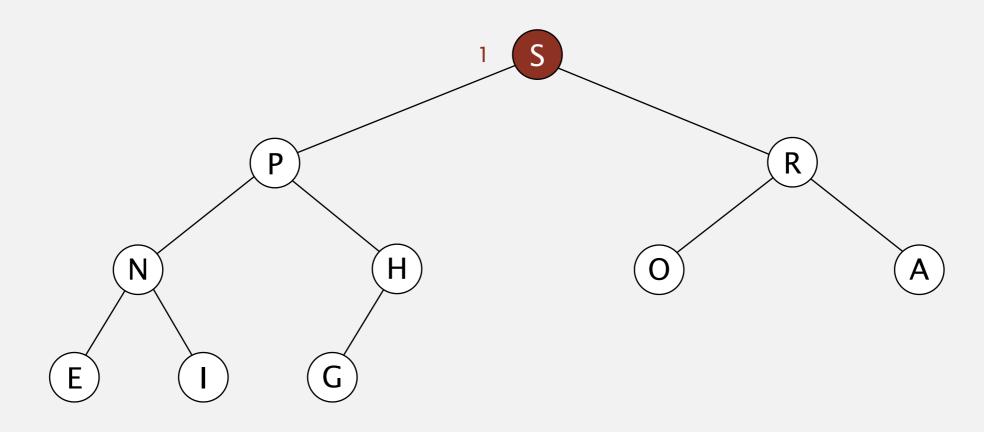
## S P R N H O A E I G

Insert. Add node at end, then swim it up.

1

Remove the maximum. Exchange root with node at end, then sink it down.

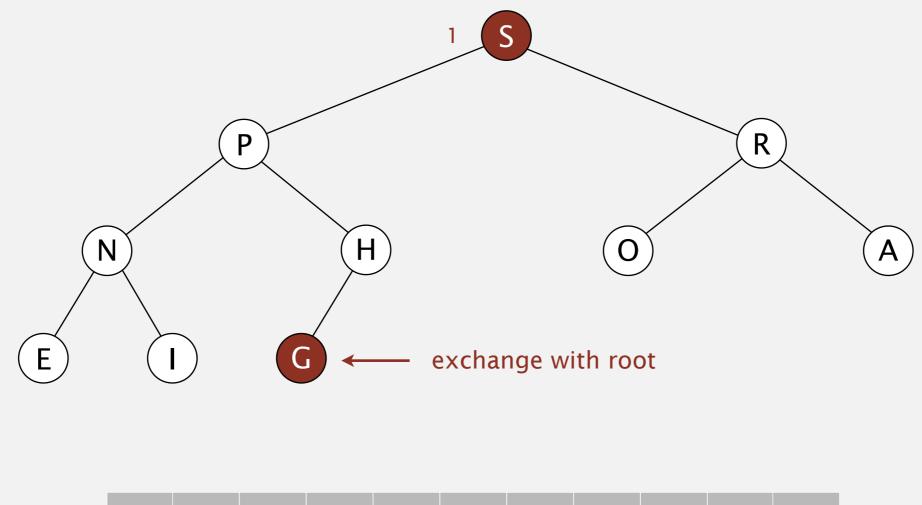
#### remove the maximum



# S P R N H O A E I G

Insert. Add node at end, then swim it up.

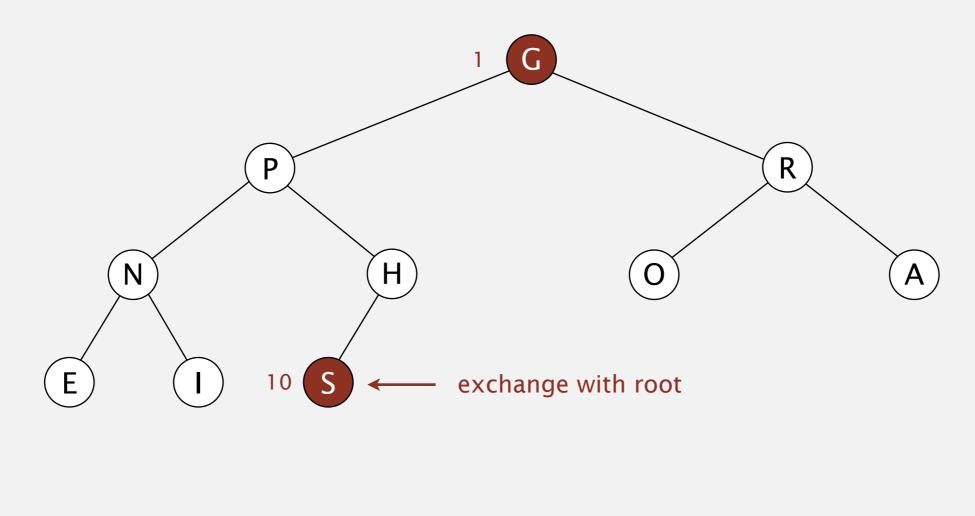
Remove the maximum. Exchange root with node at end, then sink it down.



Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.

#### remove the maximum



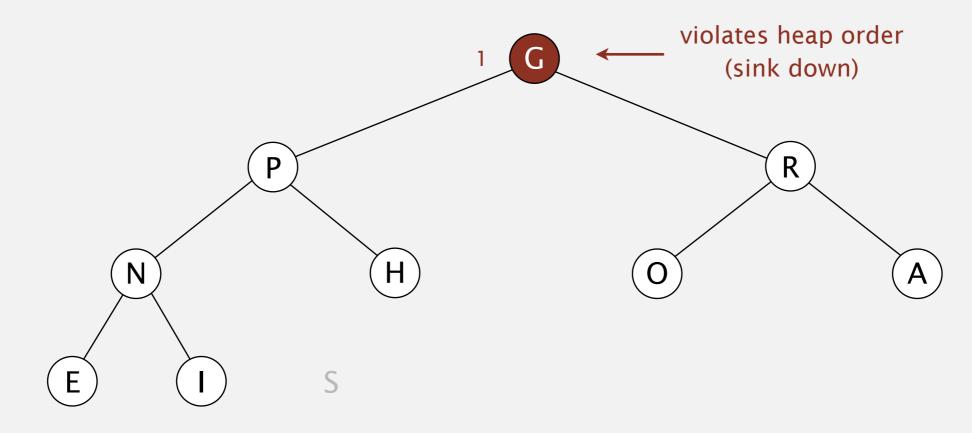
G	Р	R	Ν	Н	0	А	Е	Т	S	
---	---	---	---	---	---	---	---	---	---	--

10

Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.

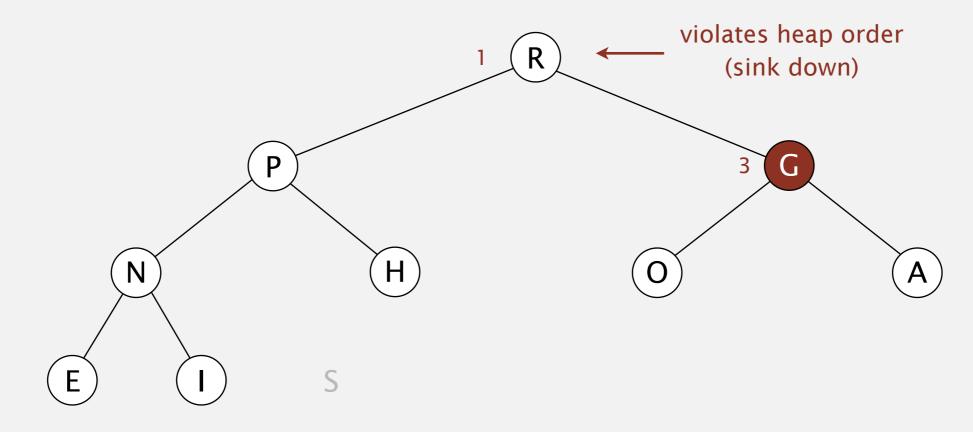
#### remove the maximum



G P R N H O A E I S

Insert. Add node at end, then swim it up.

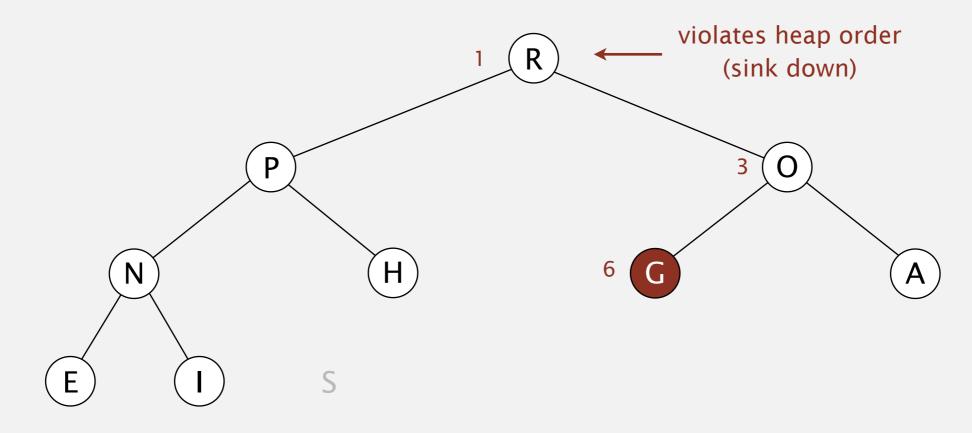
Remove the maximum. Exchange root with node at end, then sink it down.

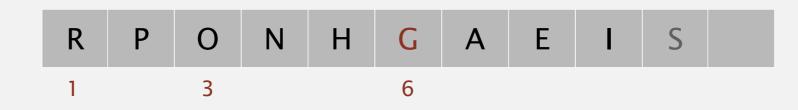




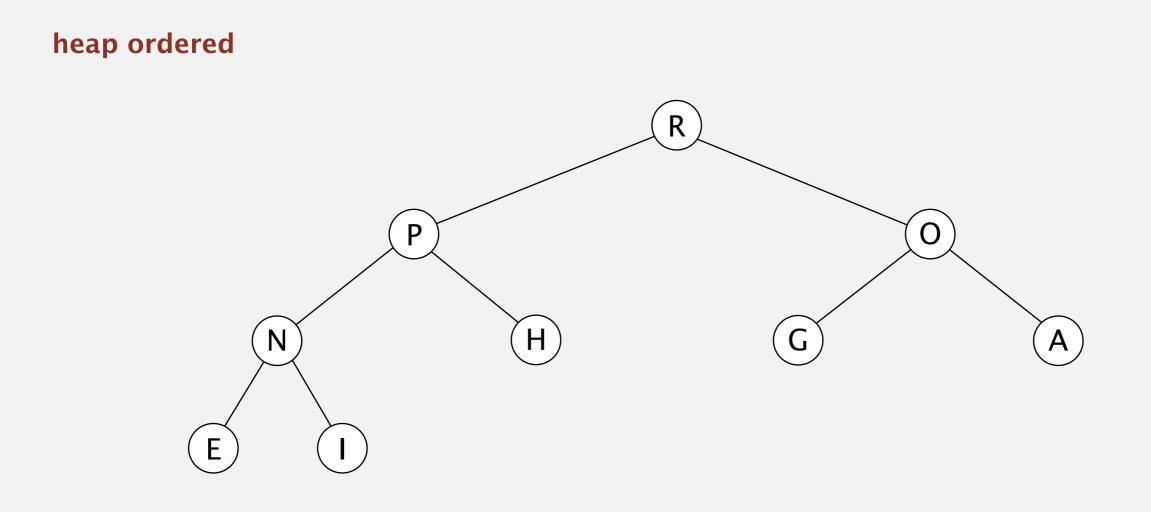
Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.



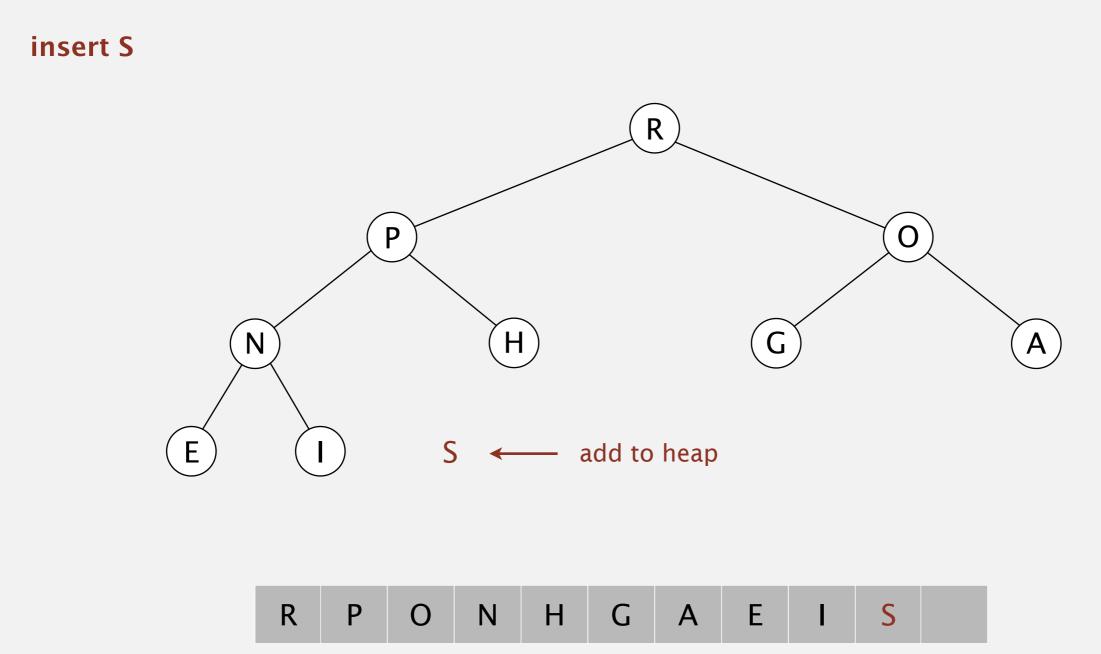


Insert. Add node at end, then swim it up.

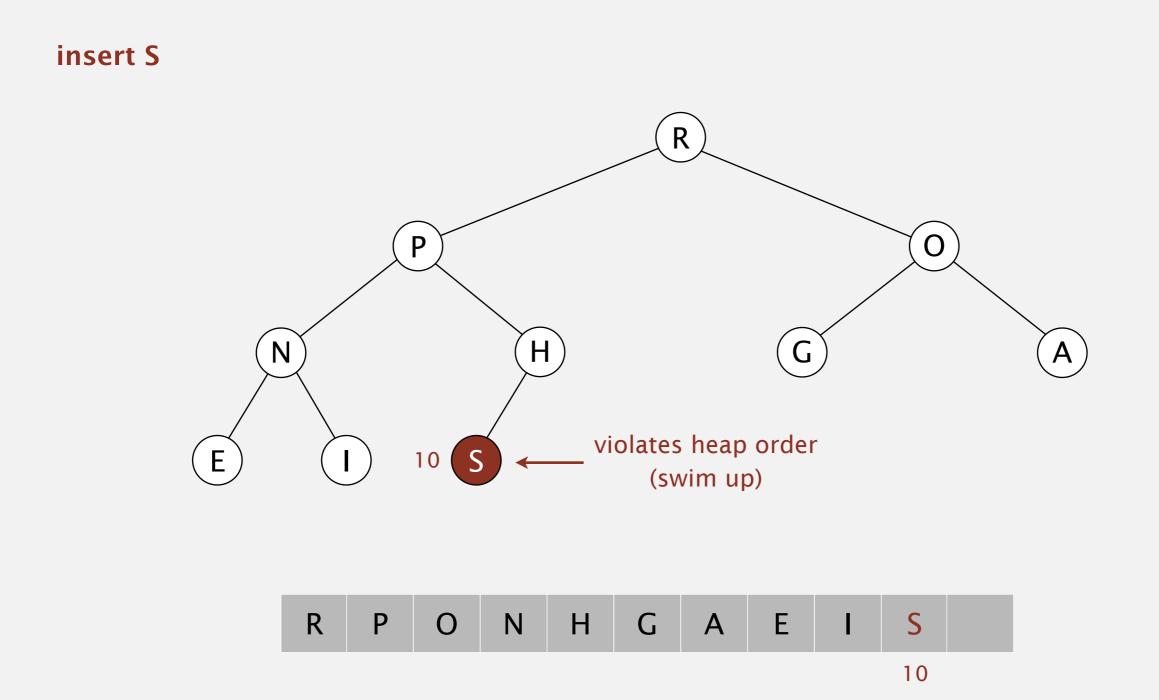


R	Р	0	Ν	Н	G	А	Е	I	

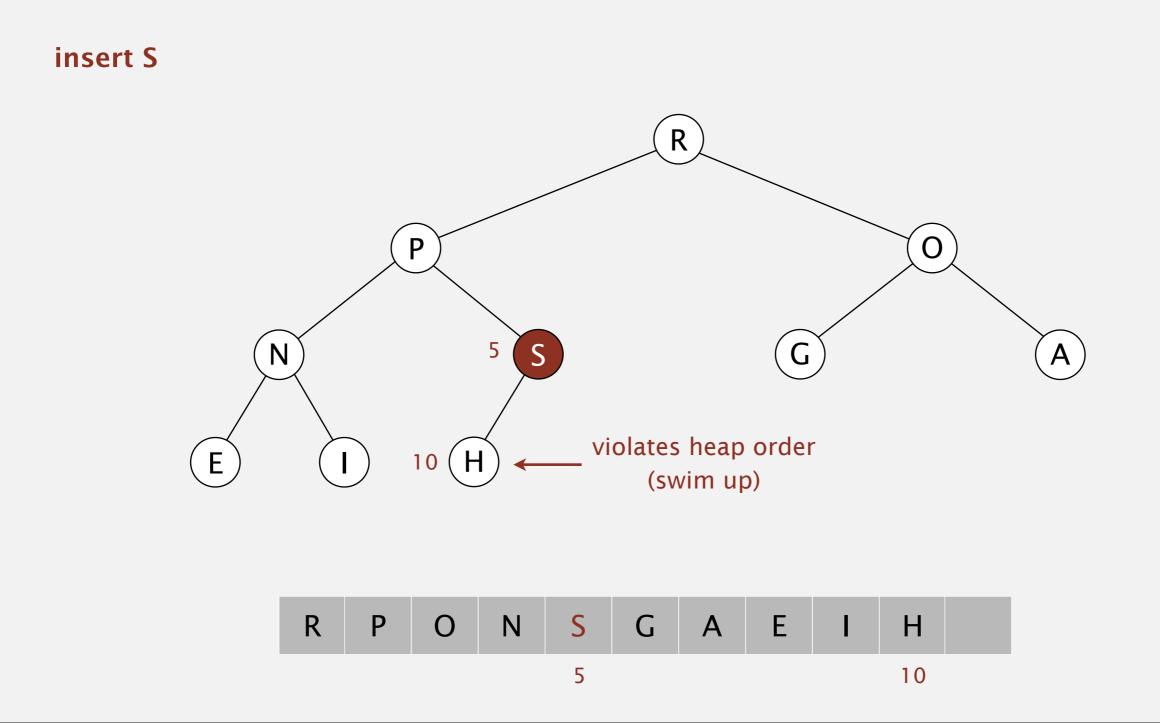
Insert. Add node at end, then swim it up.



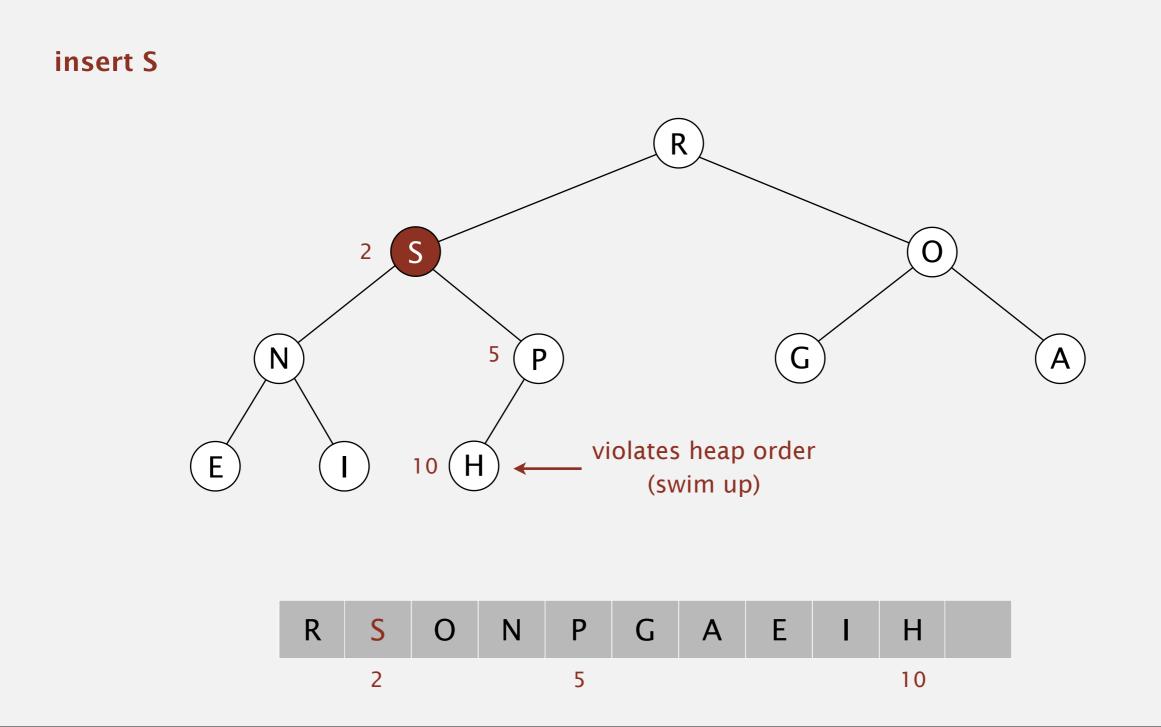
Insert. Add node at end, then swim it up.



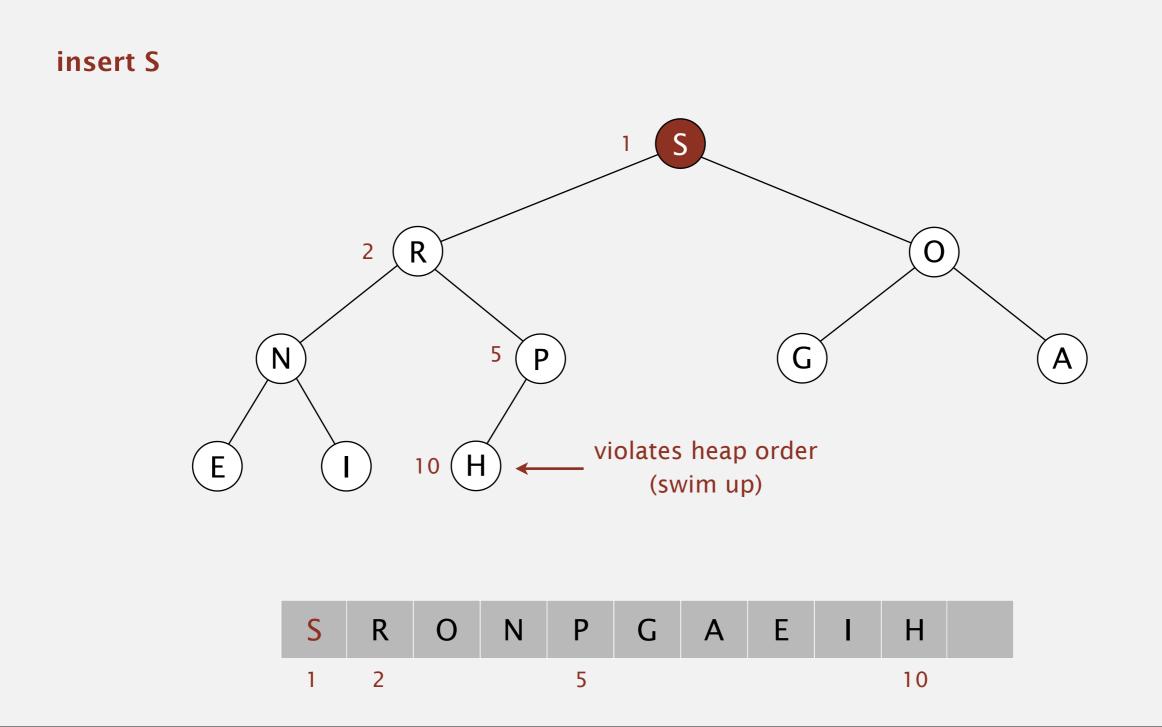
Insert. Add node at end, then swim it up.



Insert. Add node at end, then swim it up.

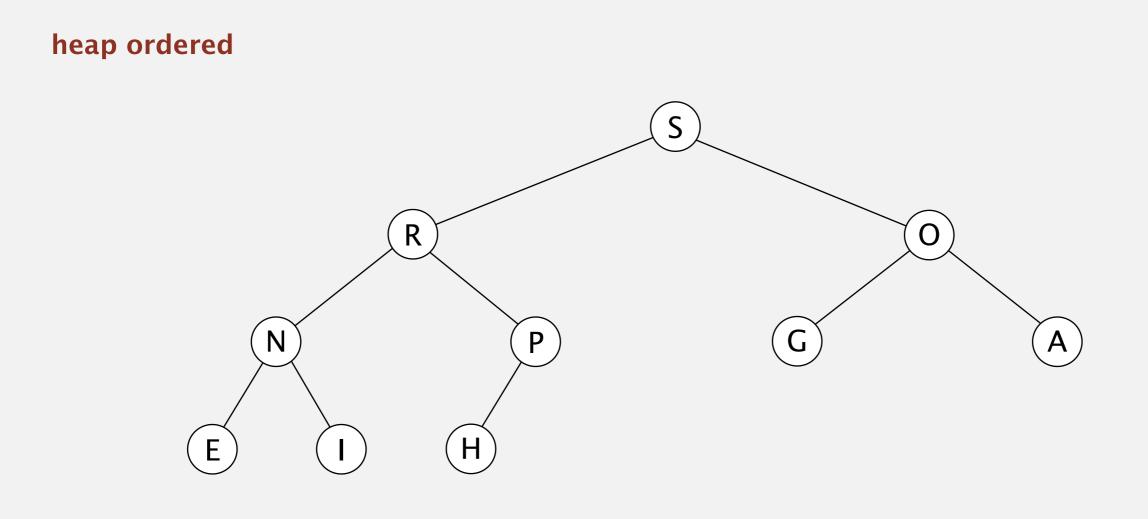


Insert. Add node at end, then swim it up.



Insert. Add node at end, then swim it up.

Remove the maximum. Exchange root with node at end, then sink it down.



# S R O N P G A E I H