Binary Min-Heap

Insert 15, 10, 20, 8, 12, 17, 25.

| Insert 15: first number as root |  |
| --- | --- |
| Insert 10 to first available position |  |
| Check for validity? No  10 is smaller than 15, so it would get swap, with 10 is now the root. |  |
| Check for validity? Yes |  |
| Insert 20 to first available position |  |
| Check for validity? Yes |  |
| Insert 8 to first available position |  |
| Check for validity? No  8 is smaller than 15, so swapping 8 and 15 |  |
| Check for validity? No  8 is smaller than 10, so swapping 8 and 10 |  |
| Check for validity? Yes |  |
| Insert 12 into first available position |  |
| Check for validity? yes |  |
| Insert 17 into first available position |  |
| Check for validity? No  17 is smaller than 20, so swapping 17 and 20. |  |
| Check for validity? yes |  |
| Insert 25 into first available position |  |
| Check for validity? yes |  |