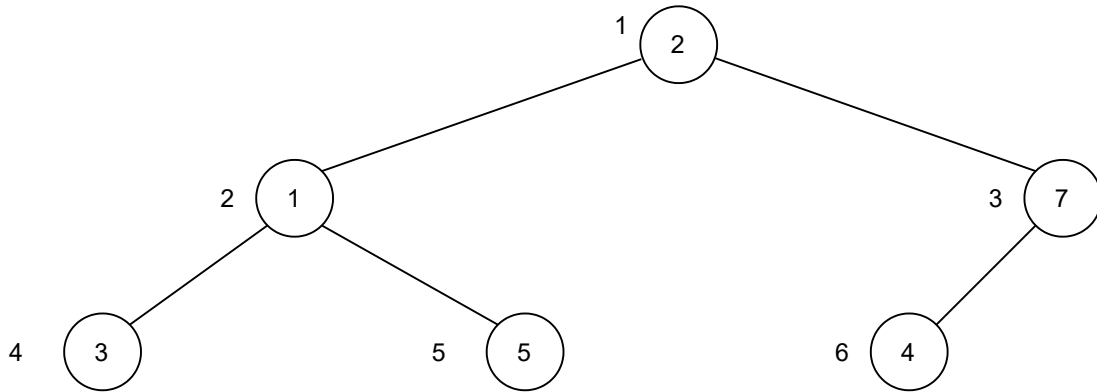
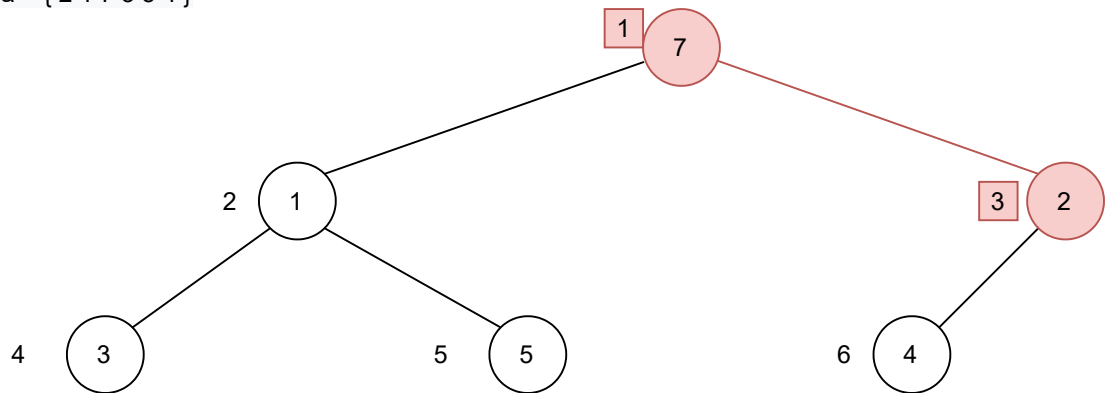


array a = { 2 1 7 3 5 4 }

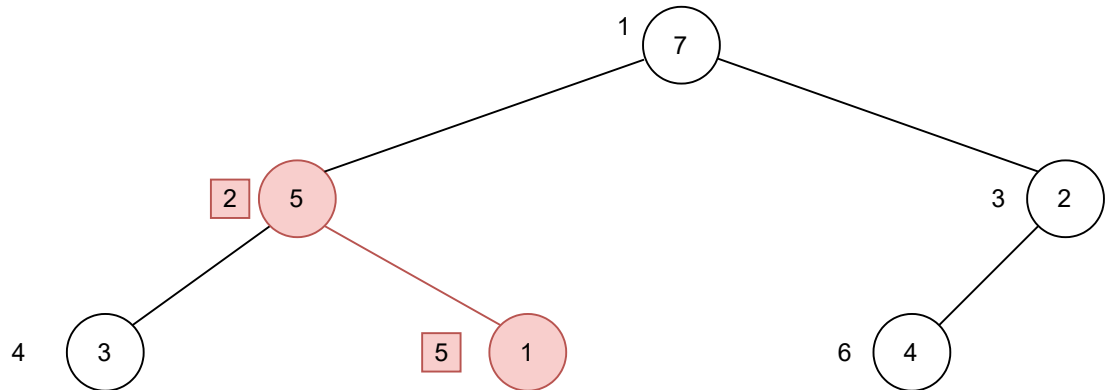
Max heap tree



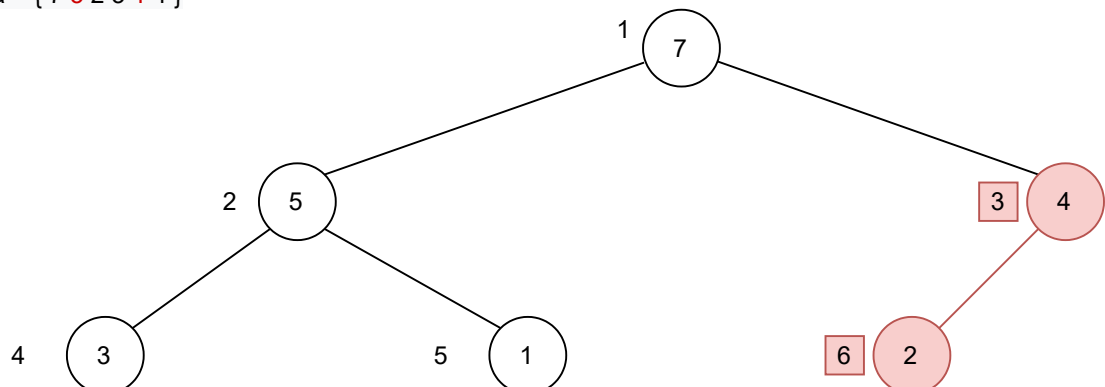
array a = { 2 1 7 3 5 4 }



array a = { 7 1 2 3 5 4 }



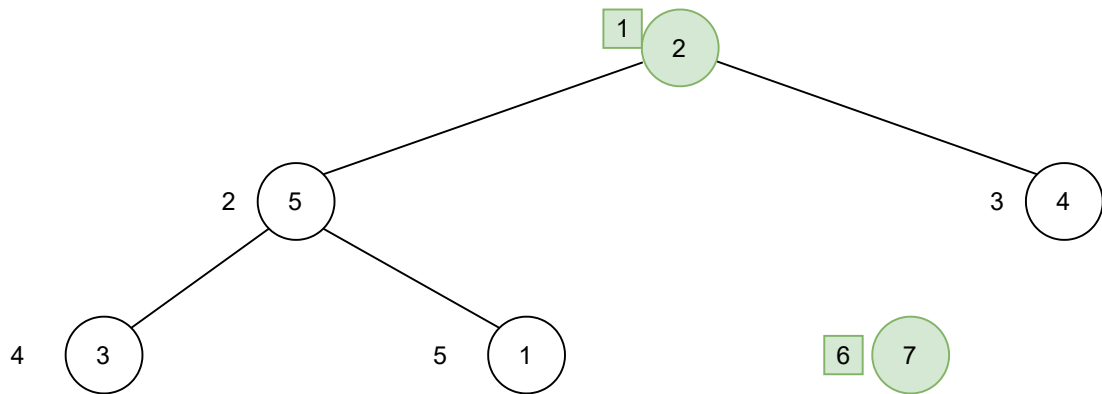
array a = { 7 5 2 3 1 4 }



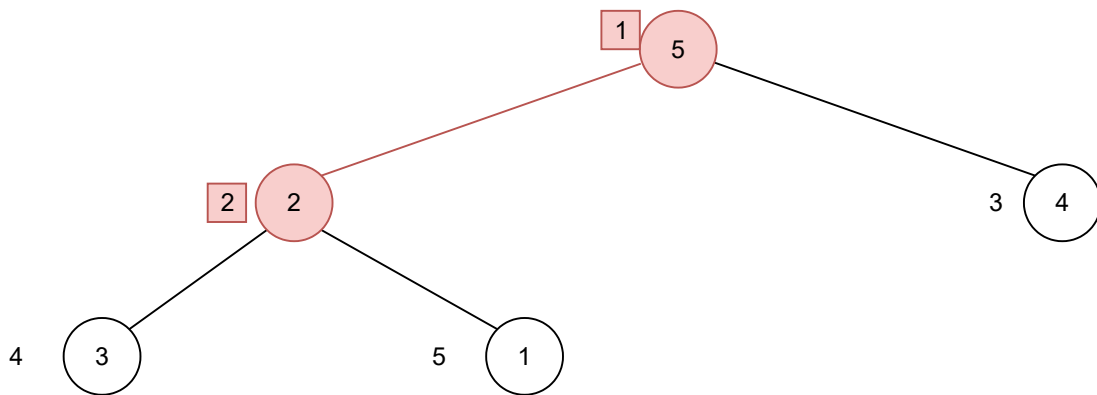
array a = { 7 5 4 3 1 2 }

Max heap in place array a = { 7 5 4 3 1 2 }

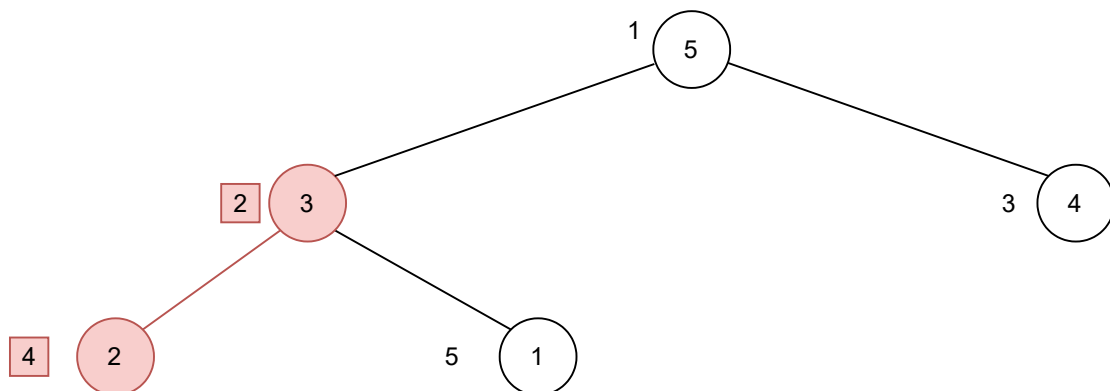
Sort Down



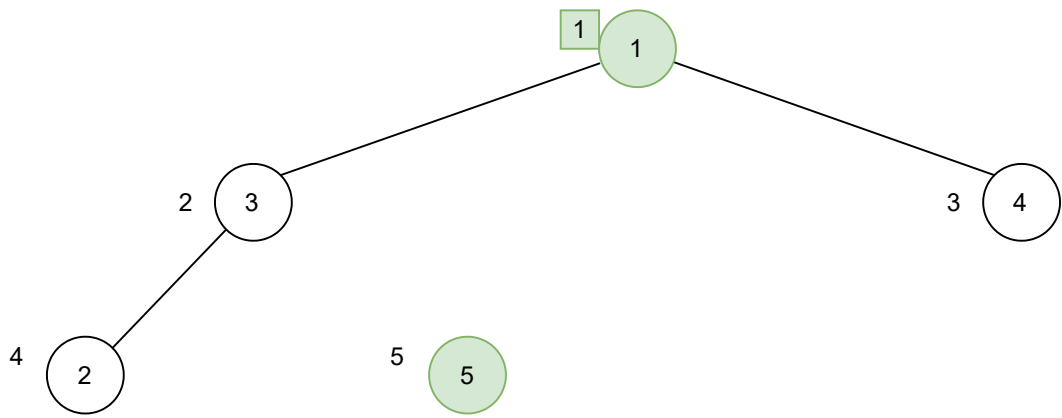
array a = { 2 5 4 3 1 7 }



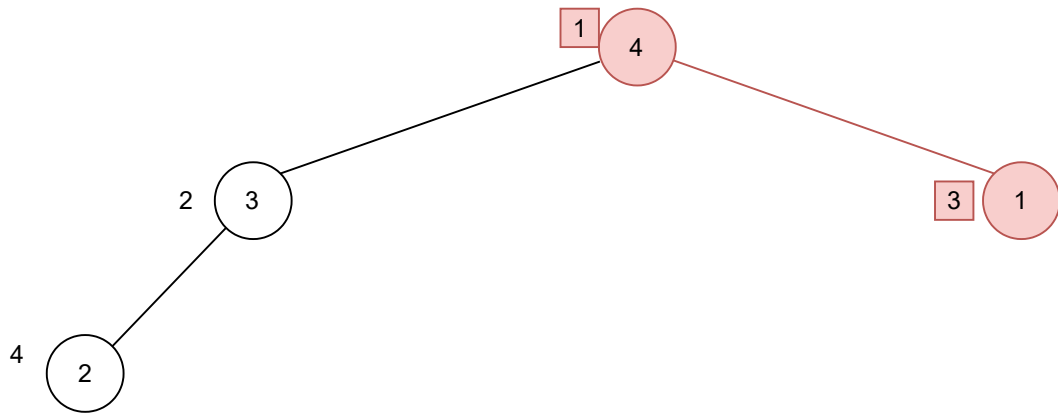
array a = { 5 2 4 3 1 7 }



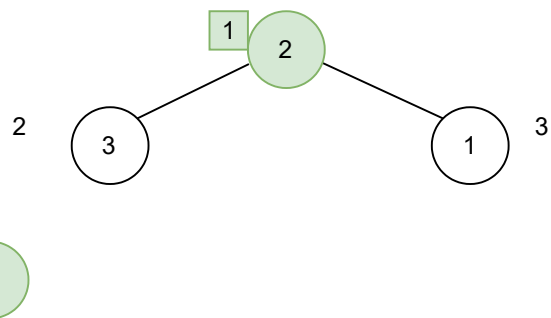
array a = { 5 3 4 2 1 7 }



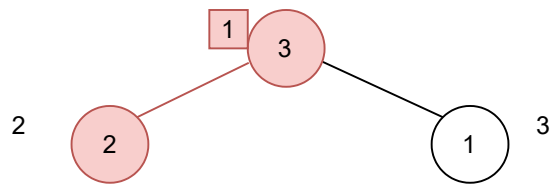
array a = { 1 4 3 2 5 7 }



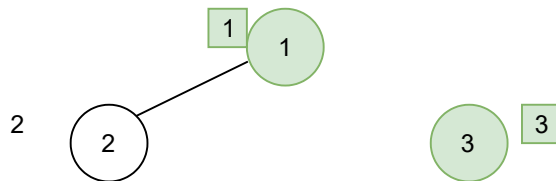
array a = { 4 3 1 2 5 7 }



array a = { 2 3 1 4 5 7 }



array a = { 3 2 1 4 5 7 }



array a = { 1 2 3 4 5 7 }

Sorted Result in Place

array a = { 1 2 3 4 5 7 }