

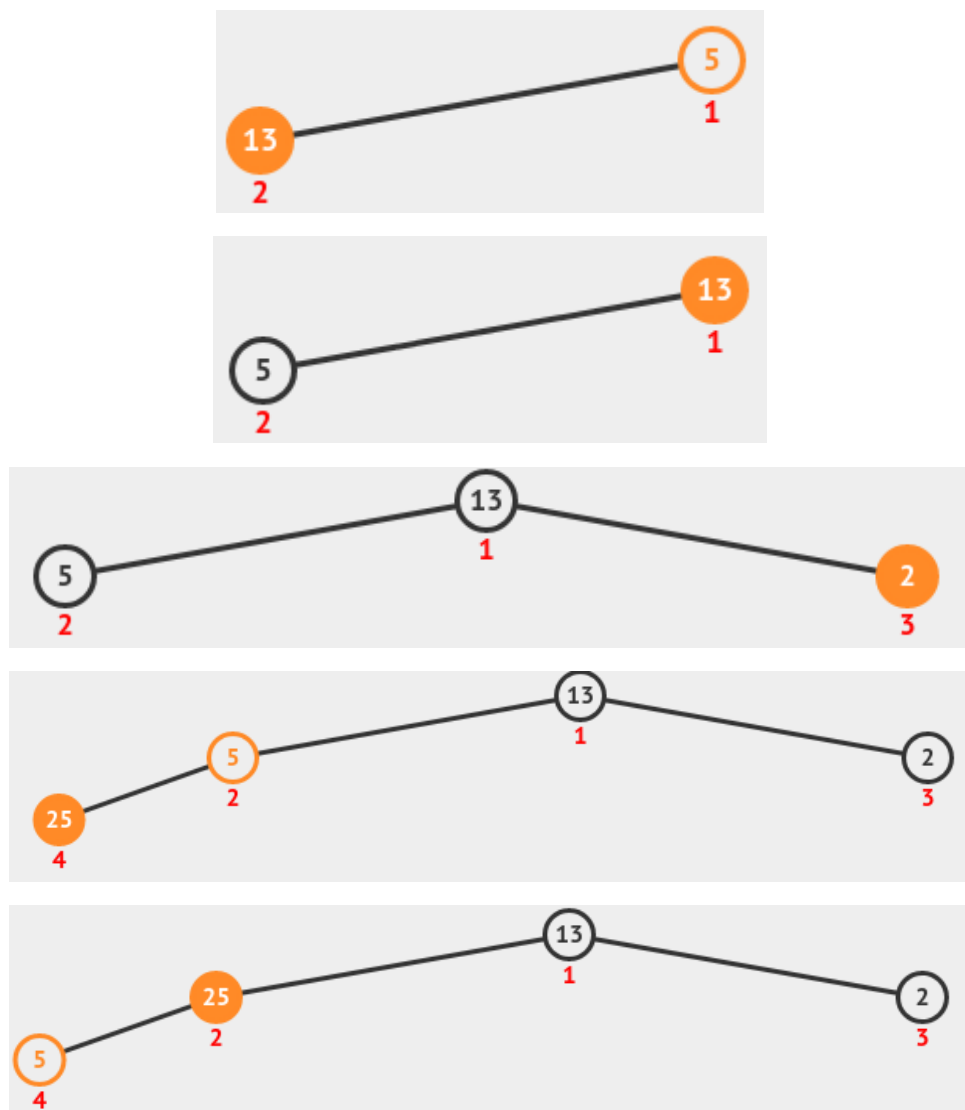
Quick e Heap Sort

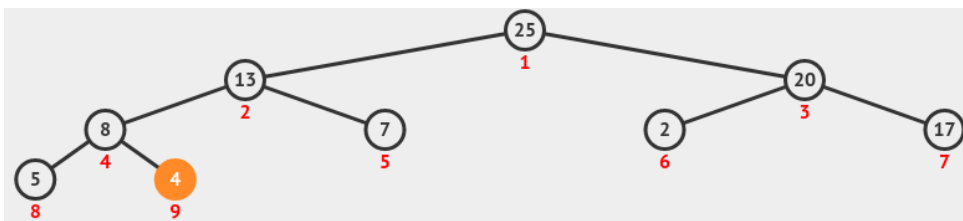
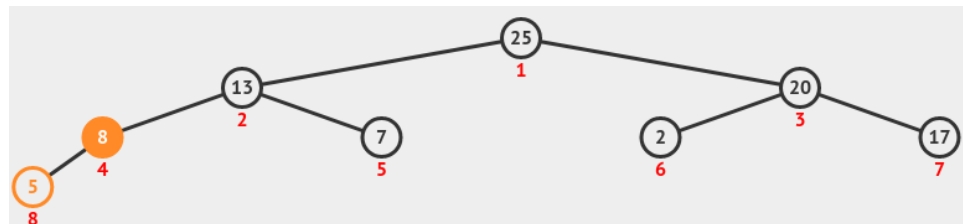
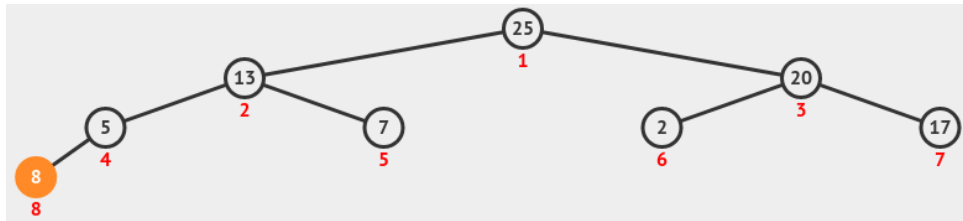
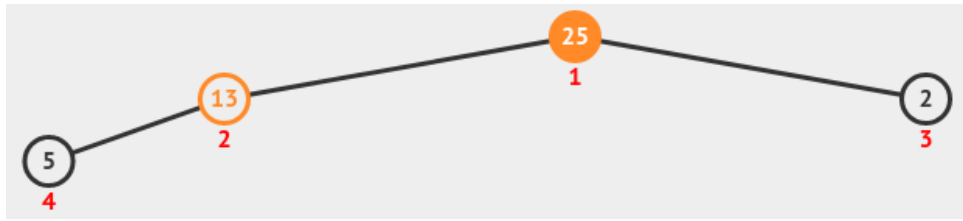
Francisco Alves de Oliveira Neto

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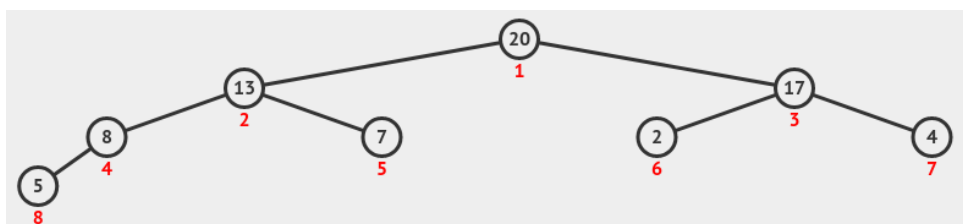
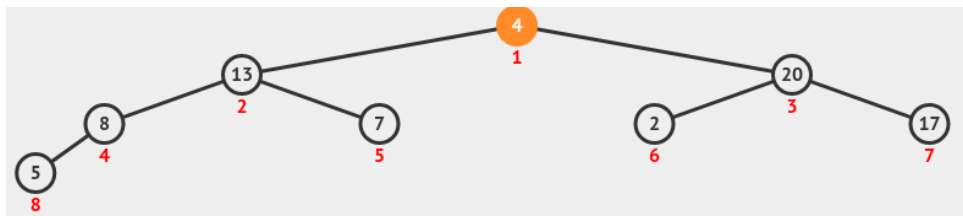
2. $\{102, 98, 77, 76, 54, 49, 44, 34, 12, 10\}$; com o pivô sendo um dos extremos.

4.

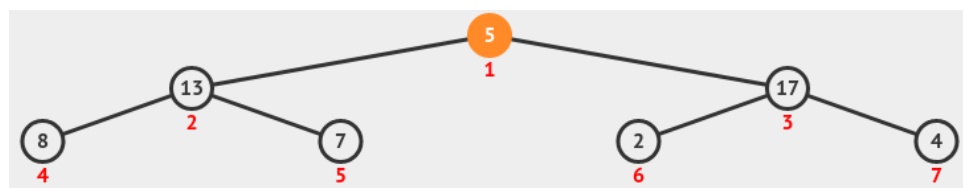


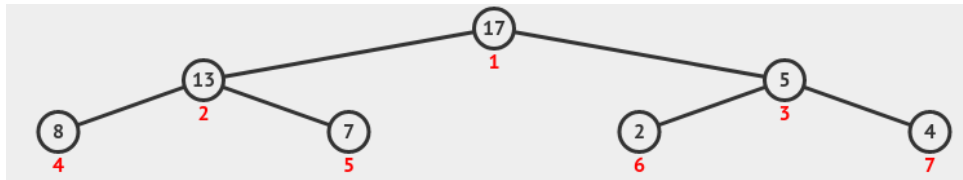


25 é retirado para o vetor e o valor mais baixo a direita o substitui

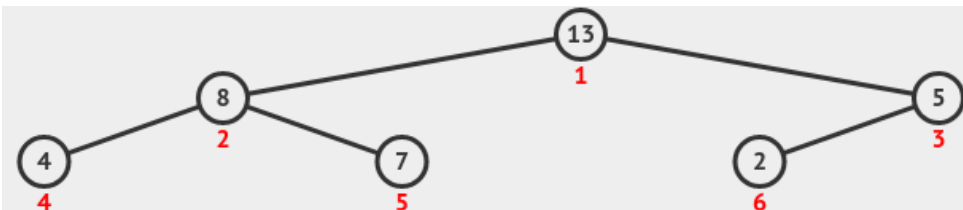
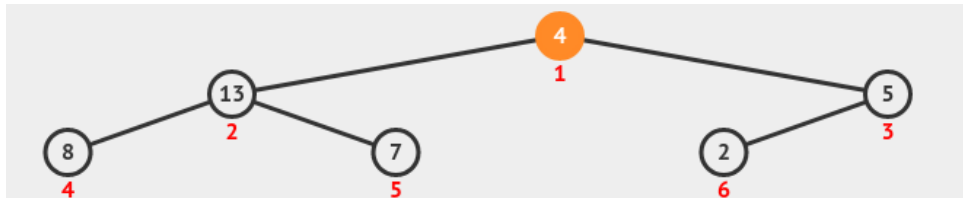


20 é retirado para o vetor e o valor mais baixo o substitui

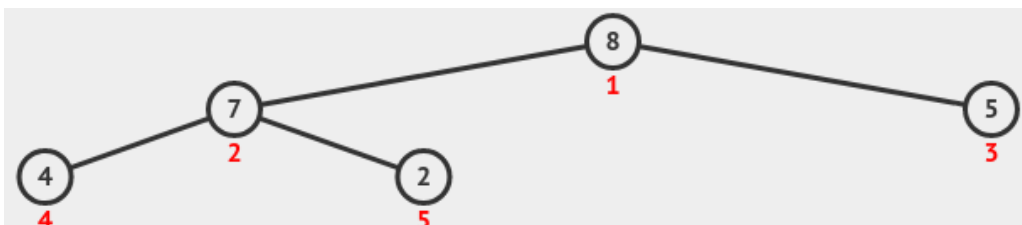
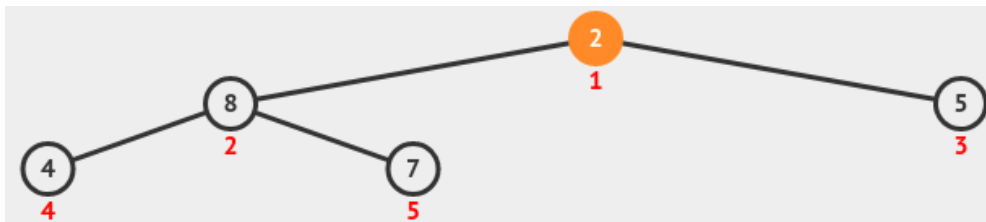




17 é retirado para o vetor e o valor mais baixo a direita o substitui



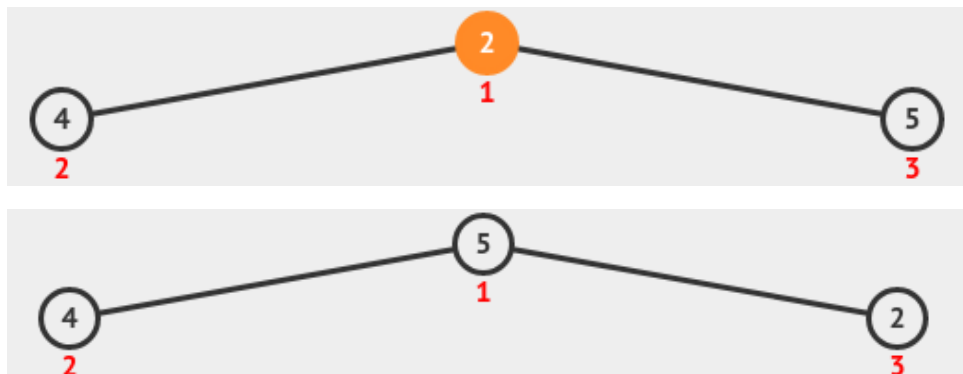
13 é retirado para o vetor e o valor mais baixo a direita o substitui



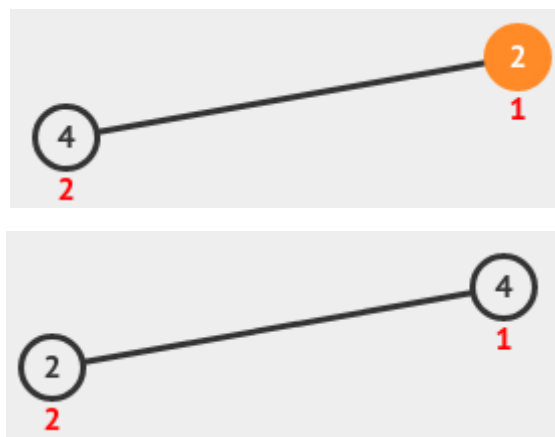
8 é retirado para o vetor e o valor mais baixo o substitui



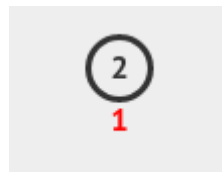
7 é retirado para o vetor e o valor mais baixo o substitui



5 é retirado para o vetor e o valor mais baixo a direita o substitui



4 é retirado para o vetor e o valor mais baixo o substitui



2 é retirado

Vetor ordenado = {2,4,5,7,8,13,17,20,25}

5.

Máximo = $2^H - 1$ com $H \geq 1$

Mínimo = $2^{(H-1)}$ com $H > 1$