



Build Heap Analysis - Heapify Up

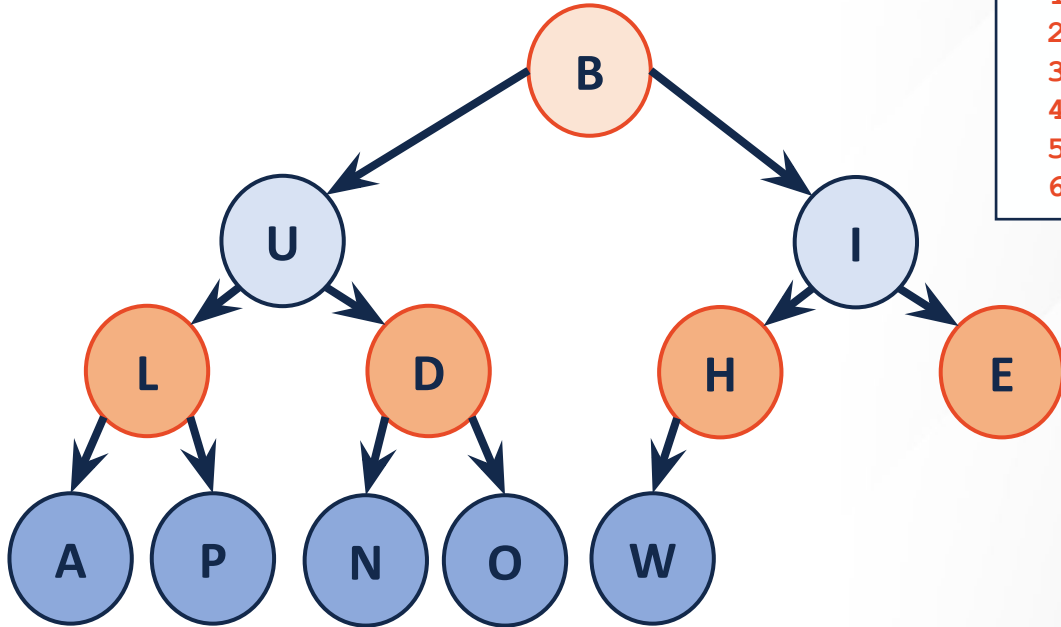
Learning Objectives

1. Know the runtime of Building a Heap with HeapifyUp



BuildHeap - HeapifyUp

```
1 template <class T>
2 void Heap<T>::buildHeap() {
3     for (unsigned i = 2; i <= size_; i++) {
4         heapifyUp(i);
5     }
6 }
```



BuildHeap - HeapifyUp

Level	Number of Nodes	Amount of Work per Node

