

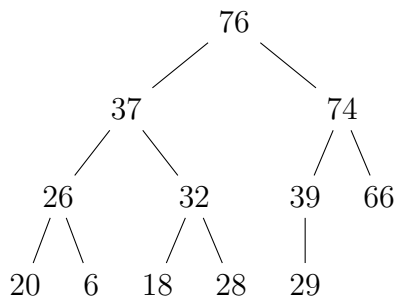
CS303 Data Structures Assignment #5

attachments and source available at <https://github.com/alexskc/cs303>

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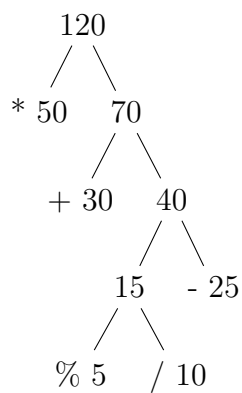
Operator > would create a min queue rather than a max queue.

3

```
struct person
{
    std::string name;
    std::vector<person *> dependants;

    bool operator() (const person& left, const person& right) {
        return left.dependants.size() < right.dependants.size();
    }
};
```

4



5

If every symbol appeared equally frequently, they'd all be on the bottom of the tree. Each letter would be encoded with the same number of bits, and we'd be iterating through a series of binary numbers, which would be something like ASCII.

6

We can modify the existing `main.cpp` to do what we want. See the attached `threeblindmice.cpp`