Problem Set 1

Mark Xavier (xaviem01)

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1. Alpha-Beta Pruning - assuming we work left to right and we prune if we decide that a sub-tree is not worth reviewing:

```
                                  6
                     _____
                    6                               ≥ 7
              _____                   _____
             6          ≥ 12-prune          10          ≥ 7-prune
          ___|___         ___|___         ___|___         ___|___
         5   2   6       12  prune       3    10         7    prune
        /\  /\  /\        |   /\        /\   /\        /|\    /\
       5 7 2 9 6 8       12  9 2       3 8  15 10     20 7 12 4 10
```

5   7   2   9   6   8   12   9   2   3   8   15   10   20   7   12   4   10