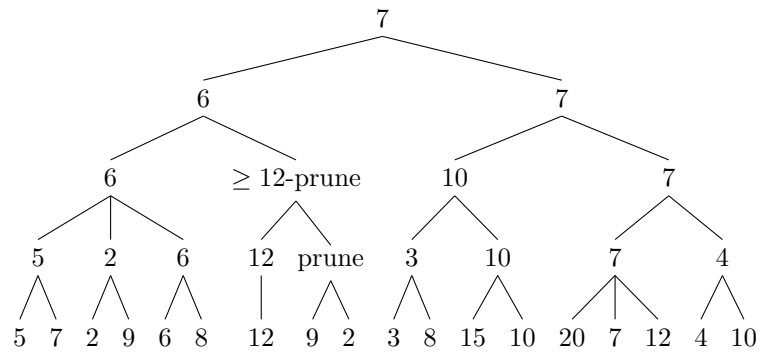# Problem Set 1

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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:

```
                                    7
                  6                                7
           6          ≥ 12-prune        10                7
       5    2    6    12   prune      3      10        7        4
      5 7  2 9  6 8   12   9 2       3 8   15 10     20 7 12   4 10
```

I only encountered one area that could be pruned (the node ≥ 12) - in this case the best move for MAX is to take the right side tree and get a score of 7 as opposed to 6.