HW4 - 9) 2-3 Tree

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9) 2-3 Tree

Insert 5, 11, 2, 48, 78, 33, 12, 19, 6, 22 into a 2-3 tree (pictures below)
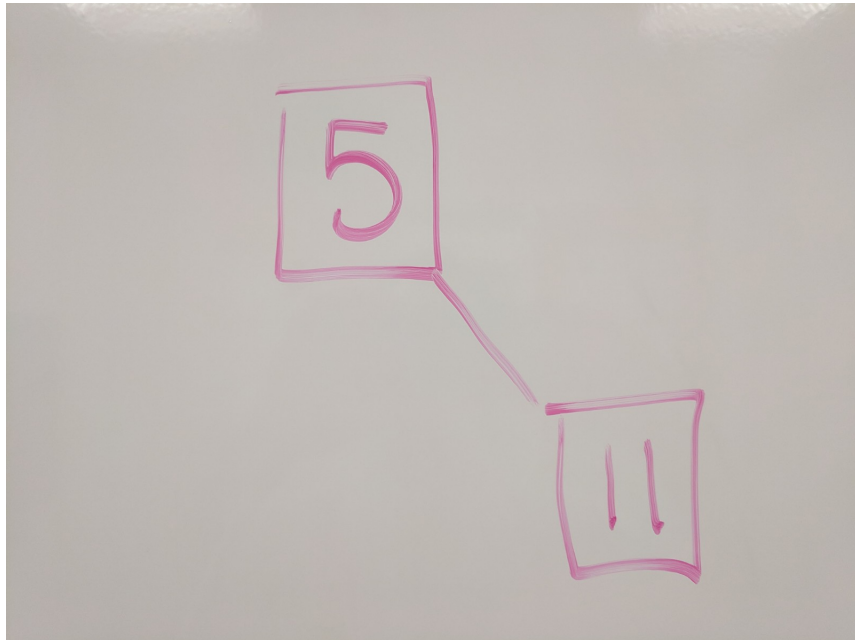
Figure 1: Insert 5

Figure 2: Insert 11
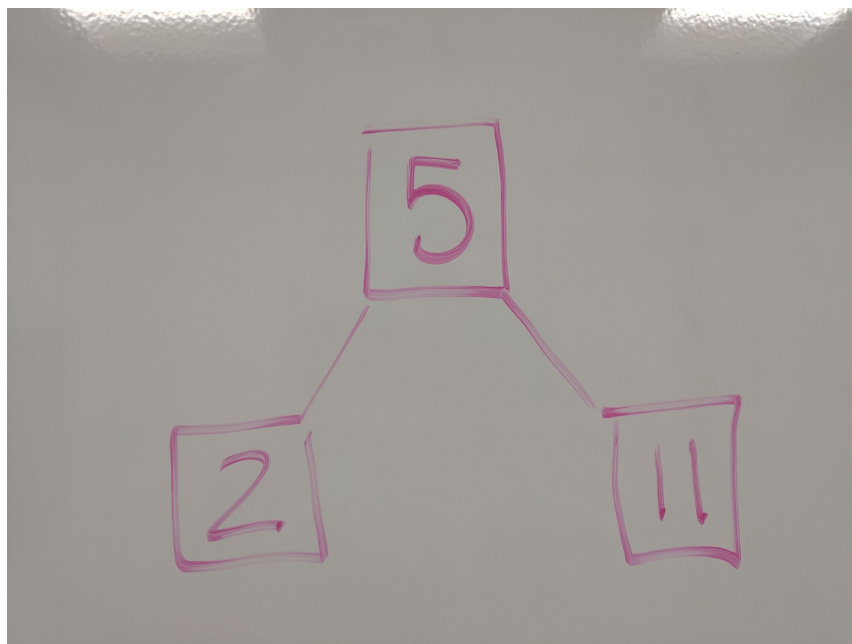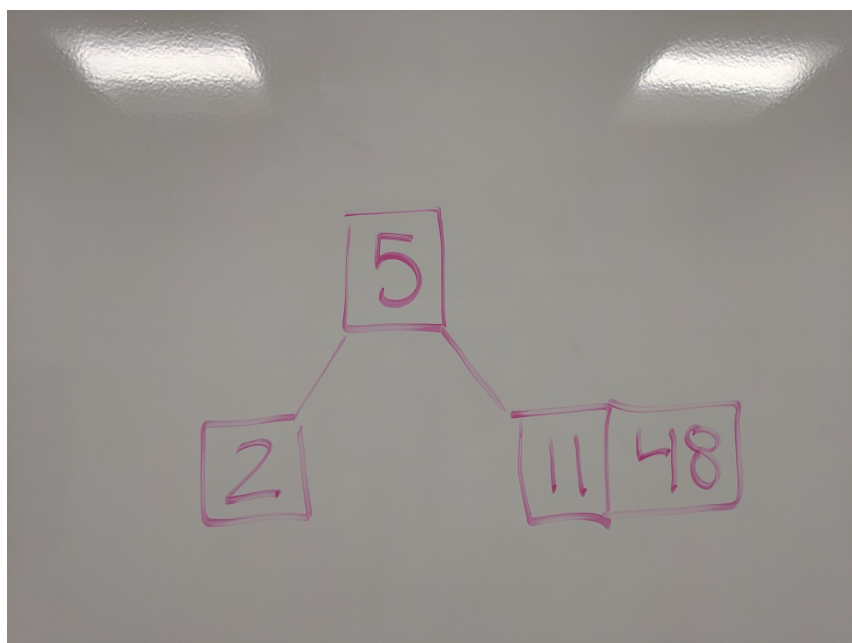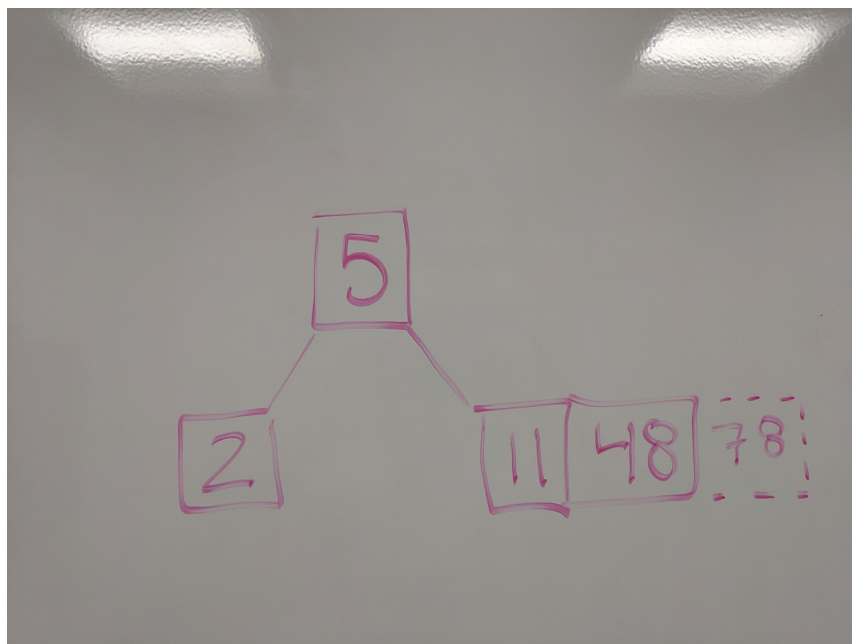
Figure 3: Insert 2

Figure 4: Insert 48

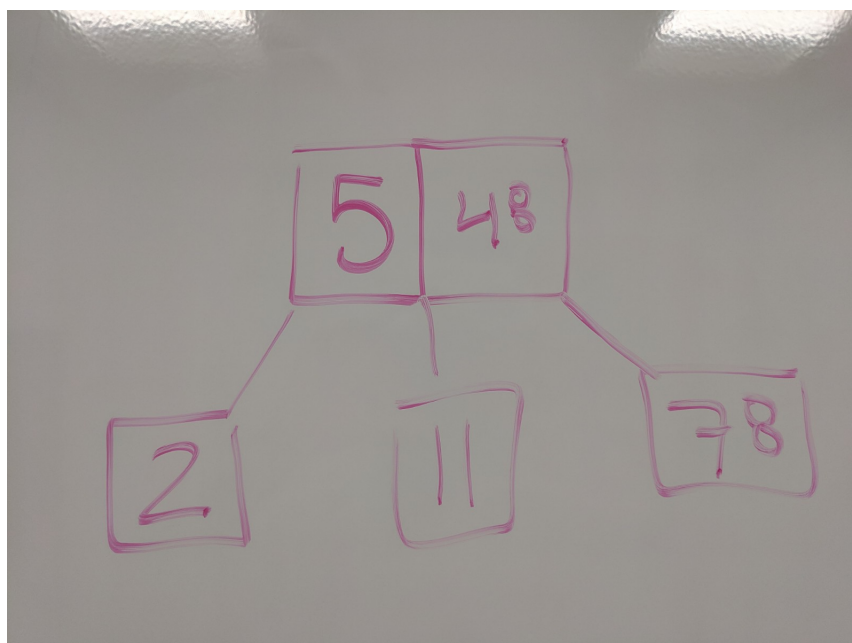Figure 5: Consider insertion location of 78
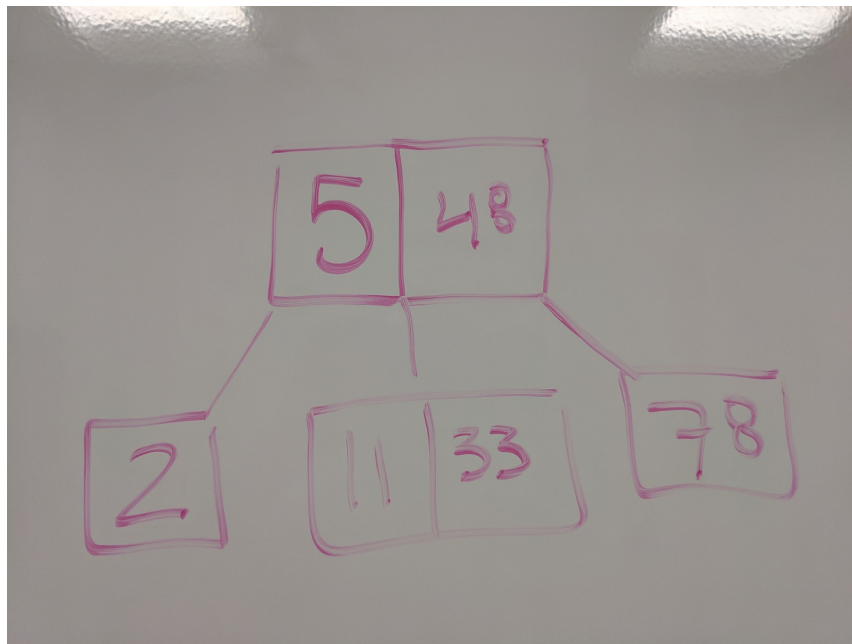

Figure 6: Split and promote 48
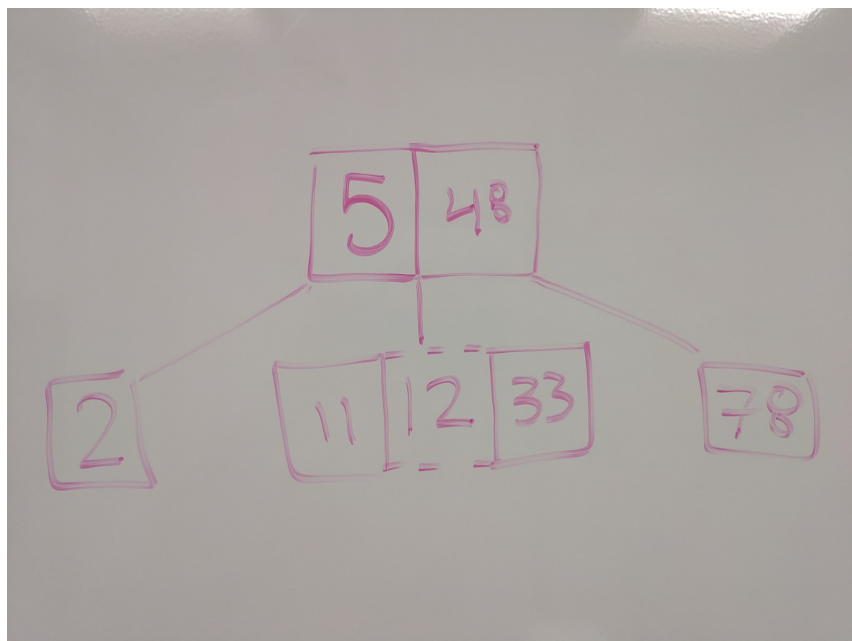
Figure 7: Insert 33

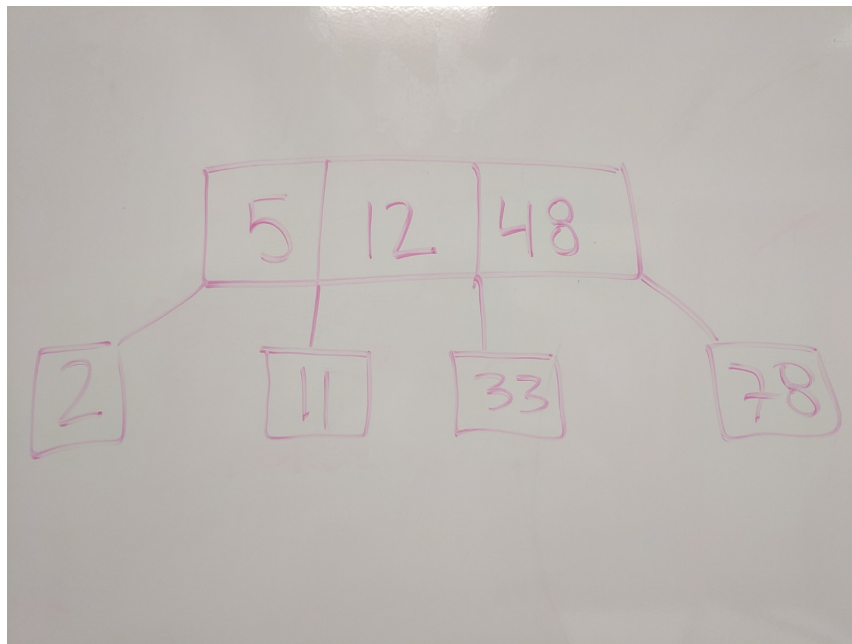Figure 8: Consider insertion location of 12
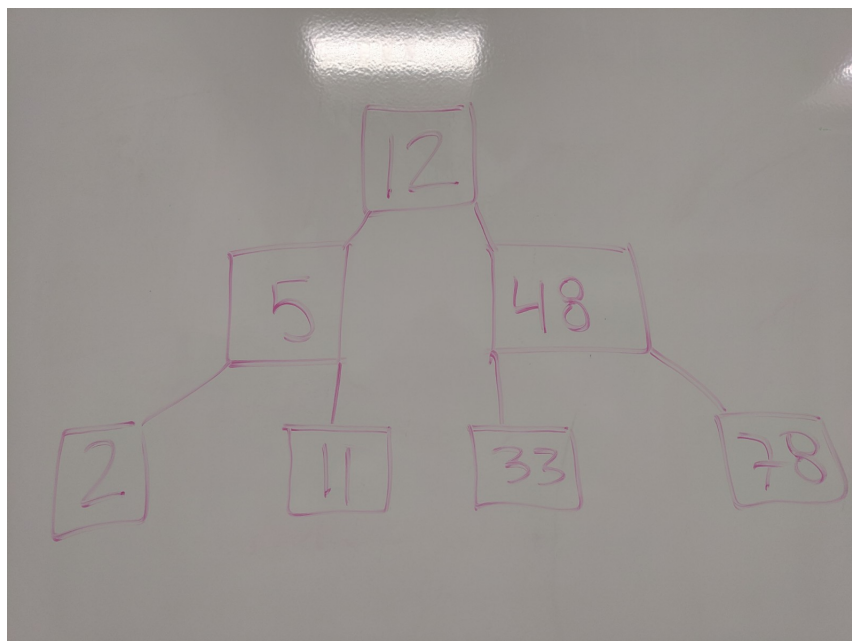
Figure 9: Split and promote 12

Figure 10: Split and promote 12 a second time
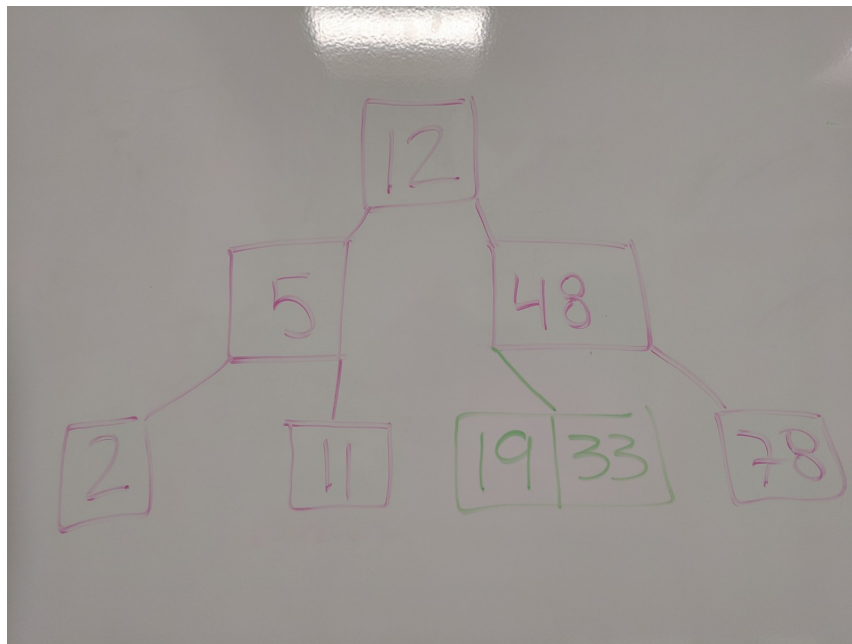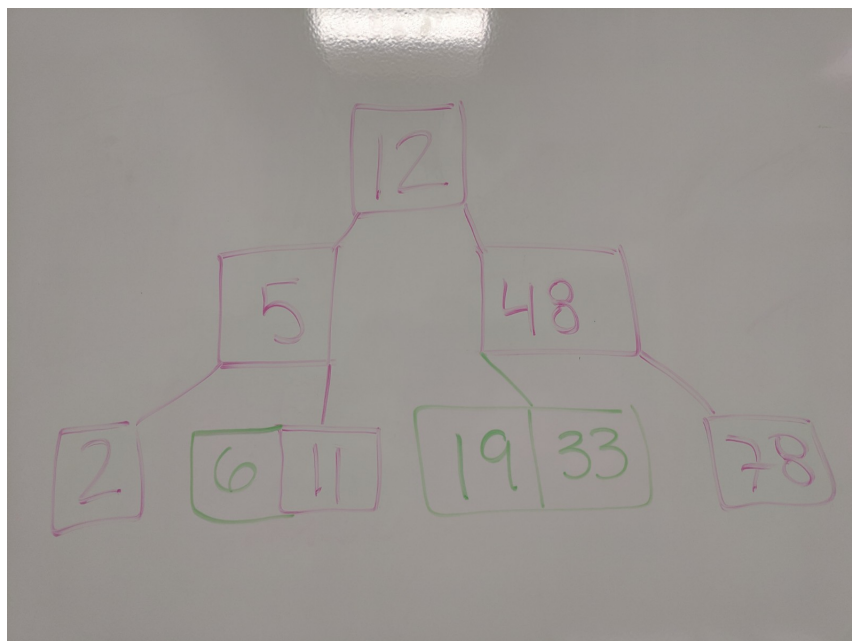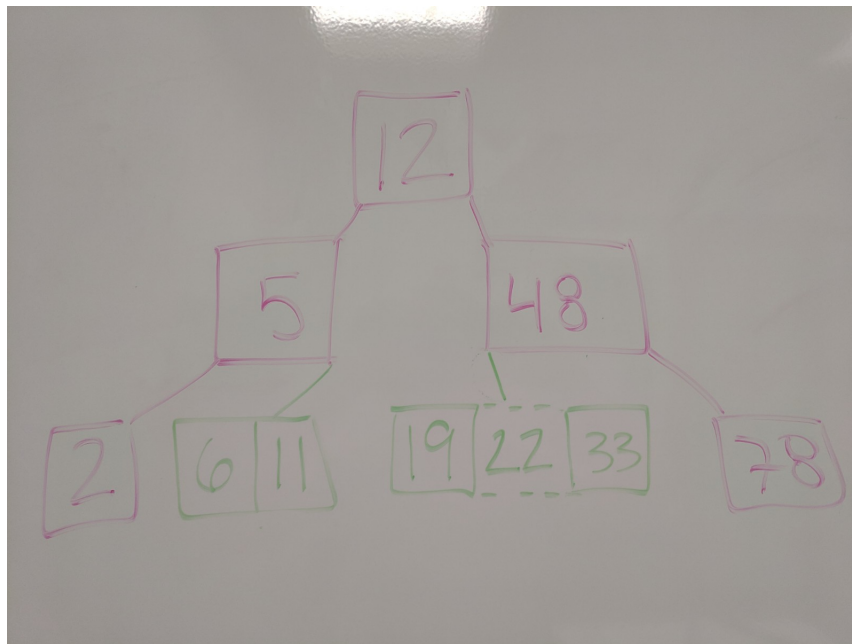
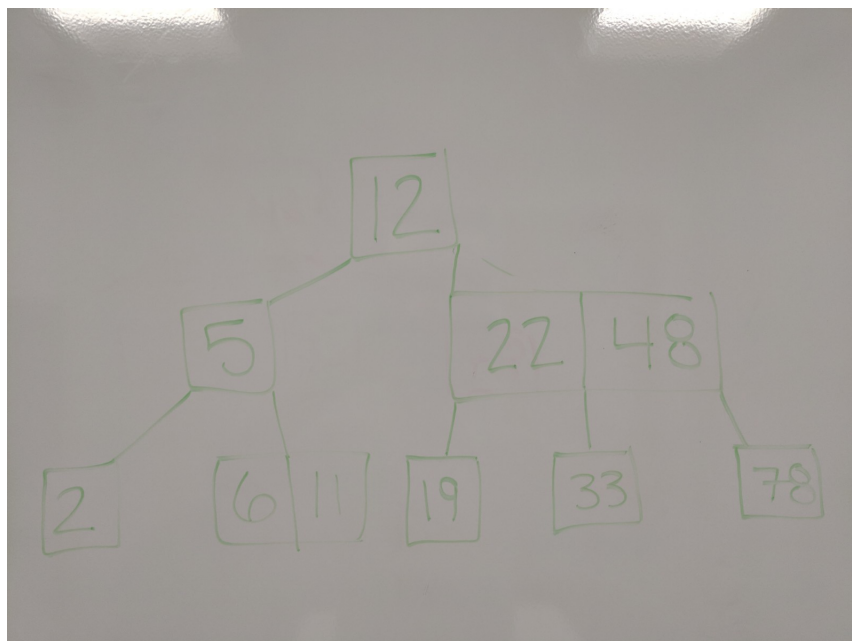Figure 11: Insert 19

Figure 12: Insert 6

Figure 13: Consider insertion location of 22

Figure 14: Split and promote 22