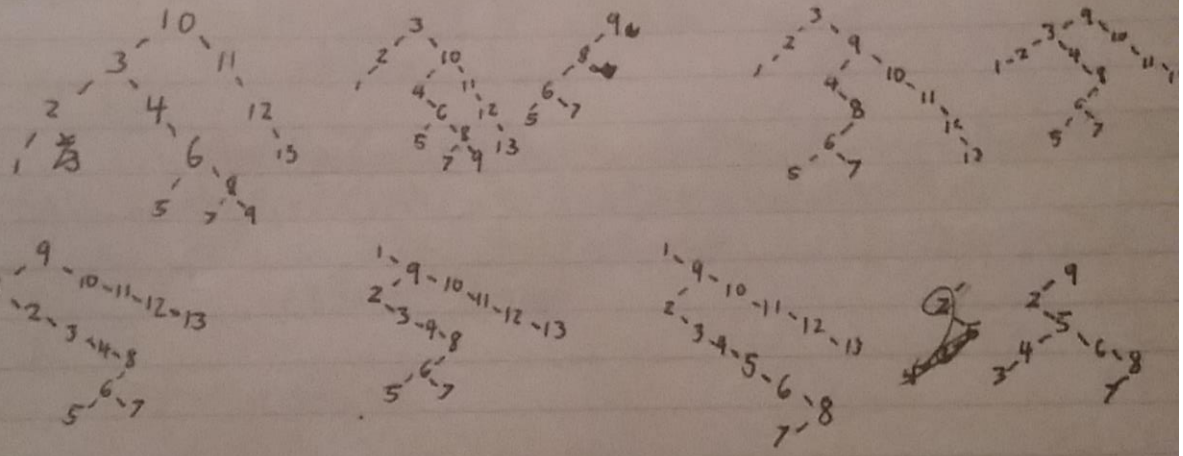
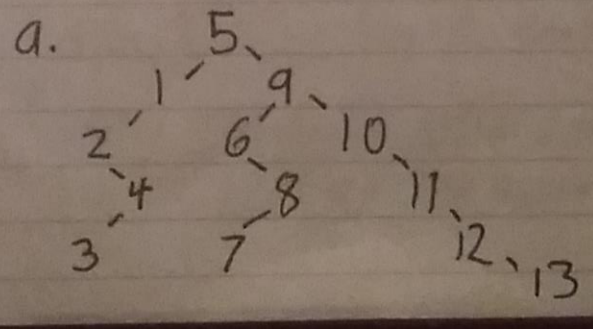
1.

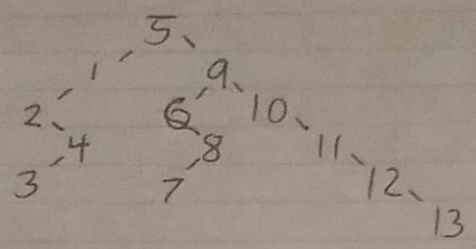
```
rotateRR(node alpha)
{
    node trade = alpha.getRight().getLeft();
    node goUp = alpha.getRight();
    alpha.setRight(trade);
    goUp.setLeft(alpha);
}
rotateRL(node alpha)
{
    node goUp = alpha.getRight().getLeft();
node tradeRight = goUp.getRight();
node tradeLeft = goUp.getLeft();
    goUp.setLeft(alpha);
    goUp.setRight(alpha.getRight());
    alpha.setRight(tradeLeft);
    goUp.getRight().setLeft(tradeRight);
}
```

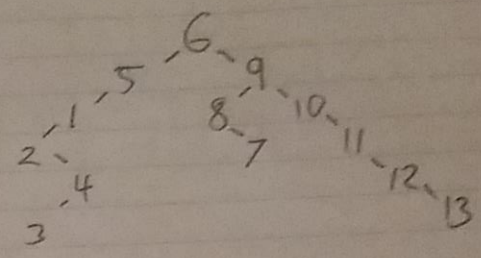


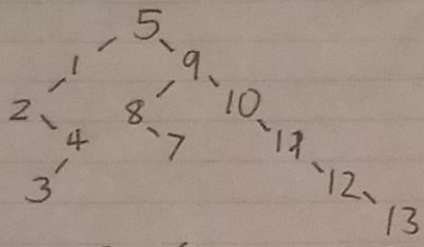
a.



26.







3 ~~Golan~~ checkSim(Node ~~Sss~~ startA, startB)

```
if(startA == null && startB == null)
        return true;
if(startA == null || startB == null)
        return false;
~~else~~
~~if(checkSim(startA, startB.getRight(), startA.getRight(), startB.getLeft(~~
if(checkSim(startA.getRight(), startB.getRight()) ~~&& checkSim(startA.getLeft(~~
    && checkSim(startA.getLeft(), startB.getLeft()))
        return true;
else
    return false;
```

2048 Bytes data 512 key=8 pointer=4

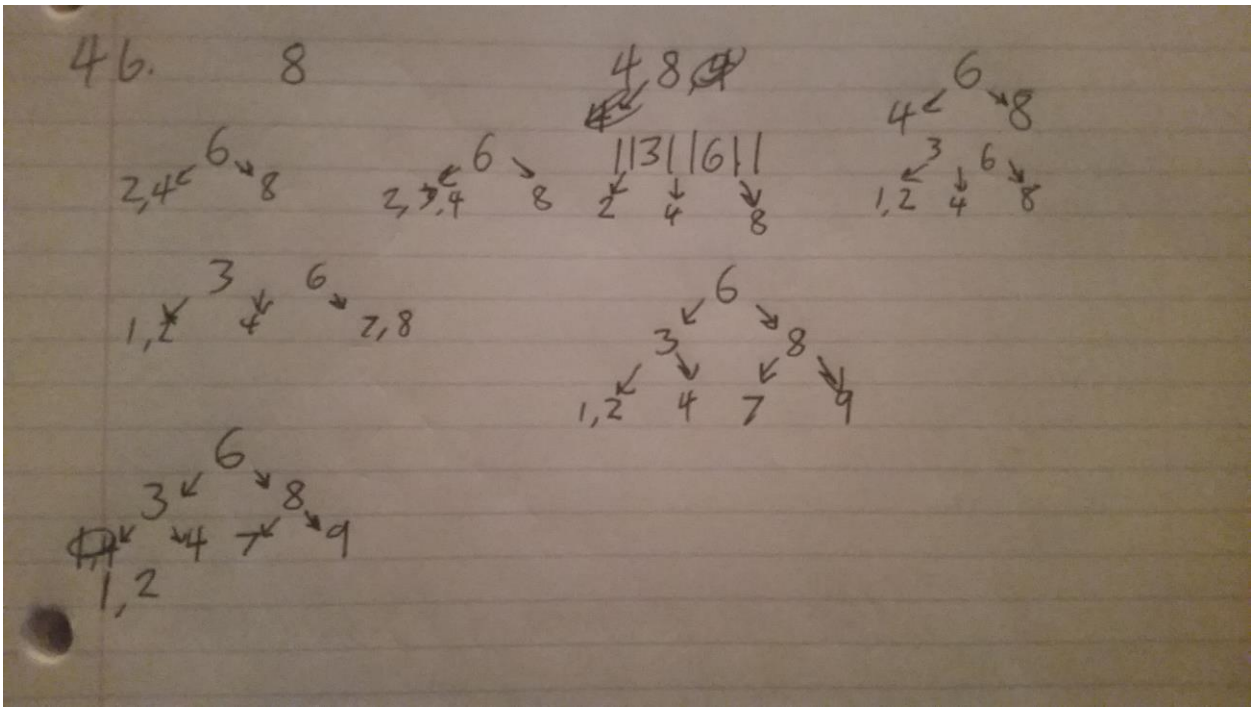
2048/512 = 4

4M + 8(M-1) <= ~~4096~~ 2048

12M <= ~~4004~~ 2056

M = 171

L=4
M=171


46.
8
2,4
6
8
2,4
6
8
1
3
6
1
2
4
8
4
6
8
1,2
3
4
6
8
1,2
3
6
4
7
8
9
1,2
3
6
4
7
8
9
1,2