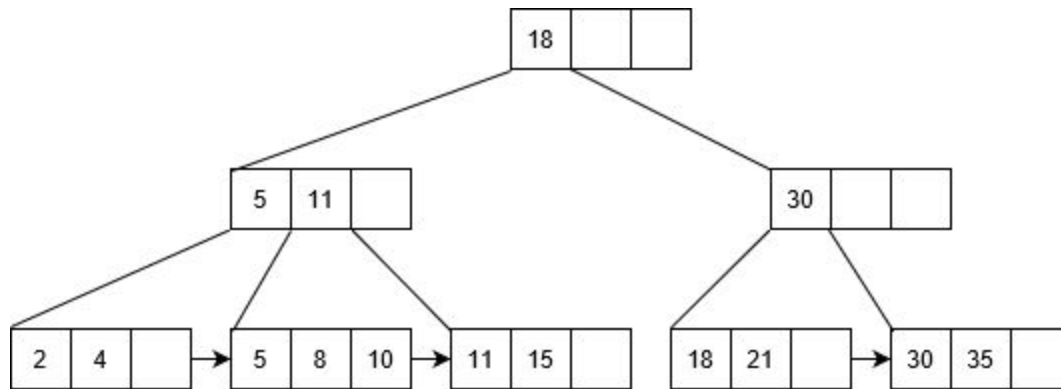


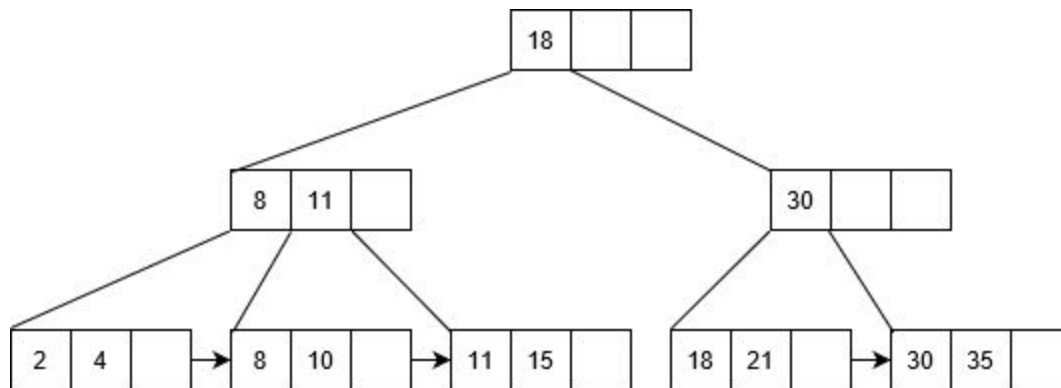
CS1555 hw8
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 Siming Zheng
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4.

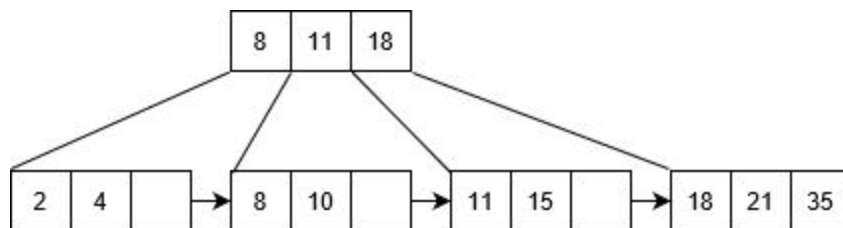


5.

(a)



(b)



6.

Since the formula for n items with k keys in l levels is $l = \log(n,k)$,
 And the root is 1 when n is an odd number,
 $\log(7525,9) + 7525\%2 = 5$ levels