

HW10 109511207 蔡宗偉

1.

a.

$$4 + 5 \times 4 + 25 \times 4 = 124$$

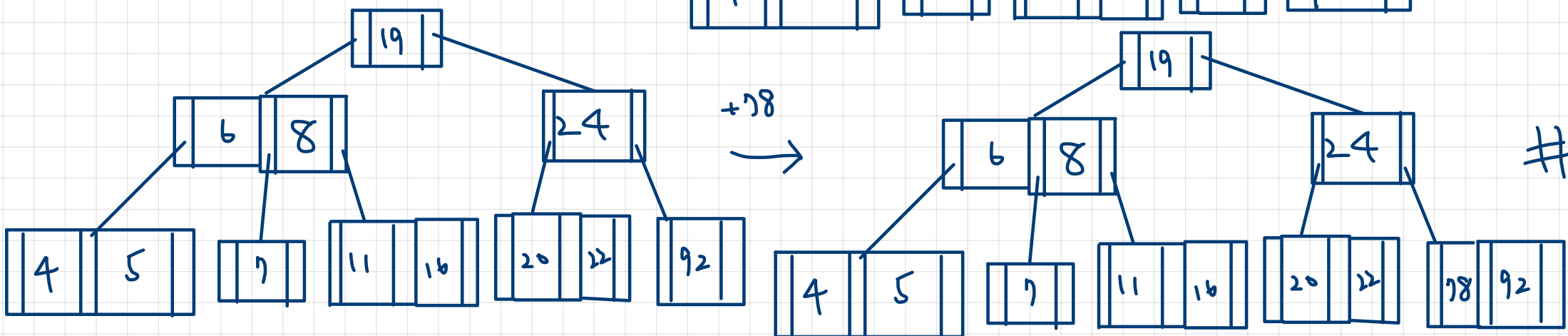
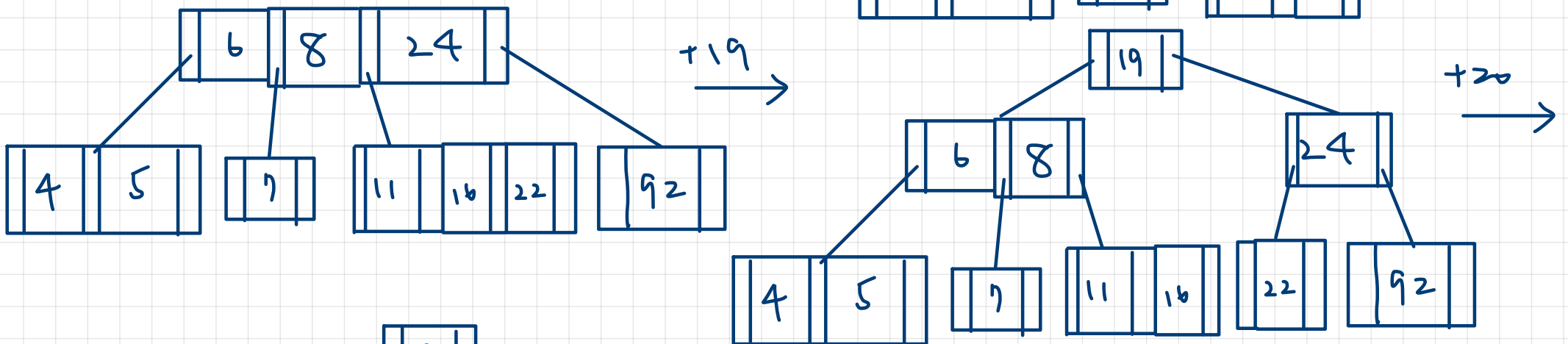
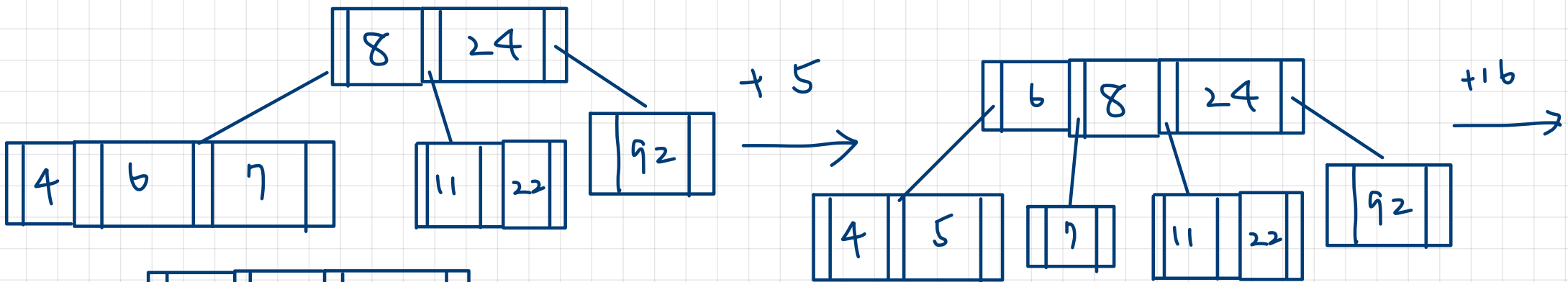
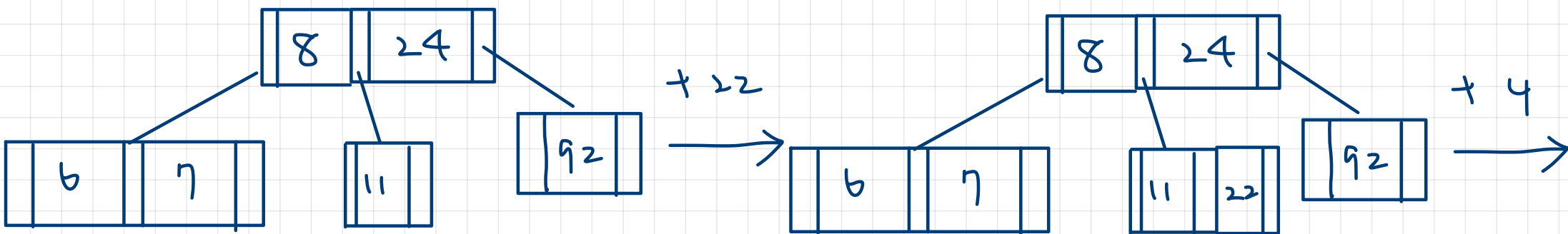
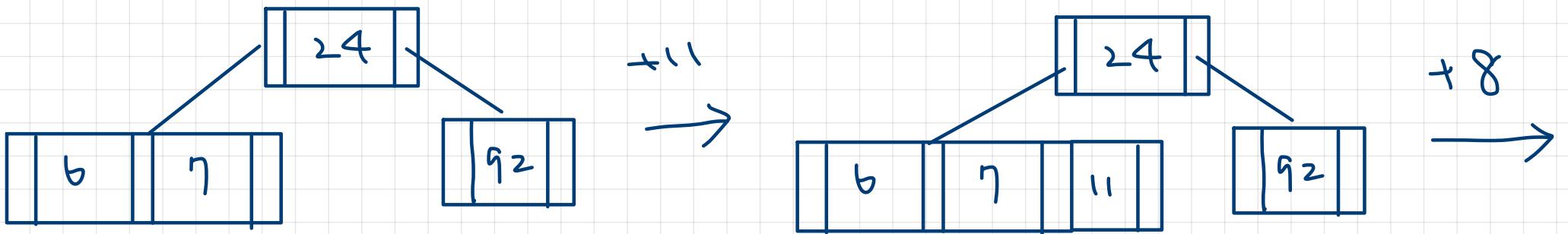
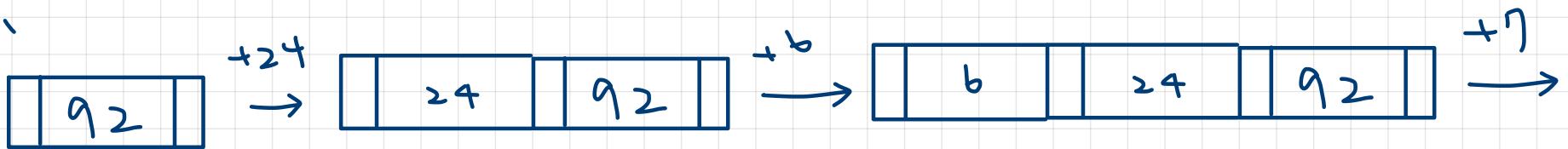
b.

$$4 + 5 \times 4 + 25 \times 4 + 125 \times 4 + 625 \times 4 = 3124$$

c.

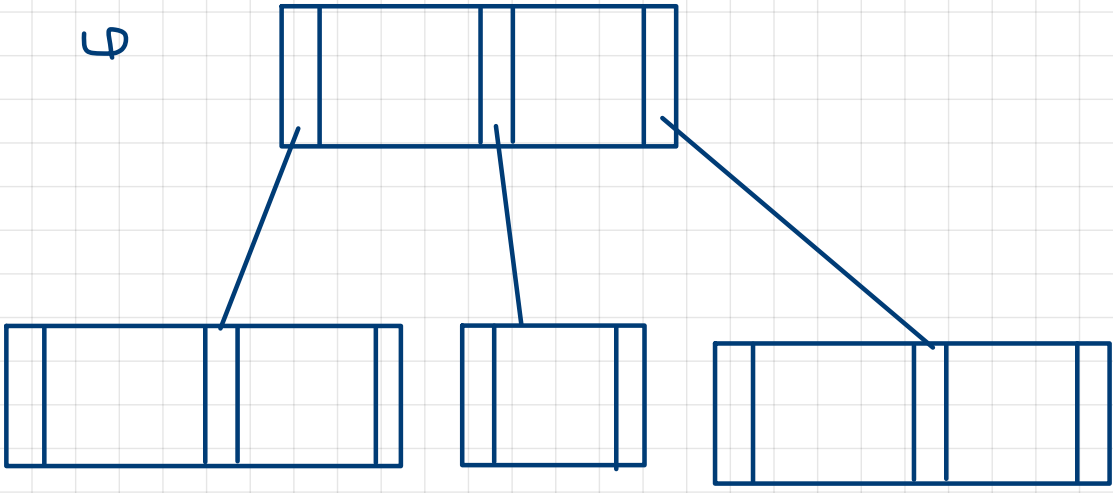
$$4 \times \sum_{n=1}^h 5^{n-1} = 4 \times \frac{1-5^h}{1-5} = 5^h - 1 \quad \#$$

2.

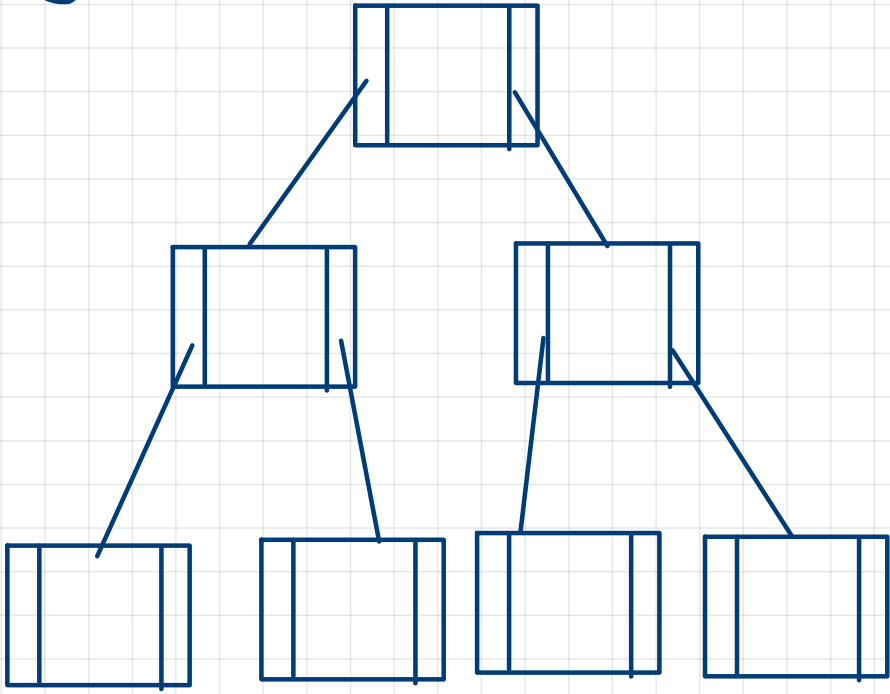


3.

6

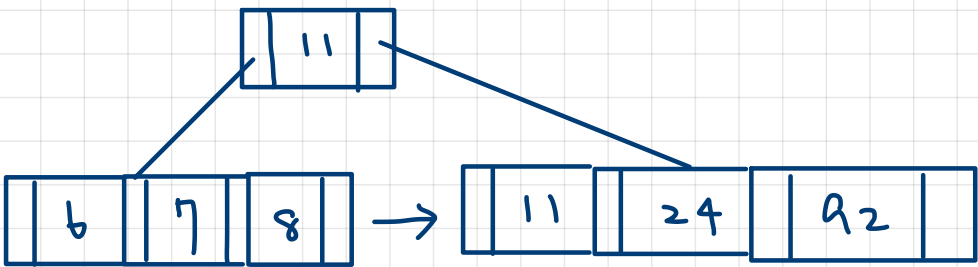
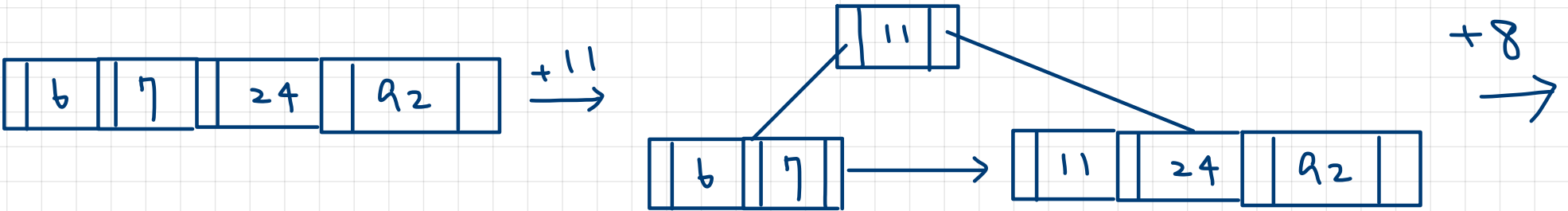
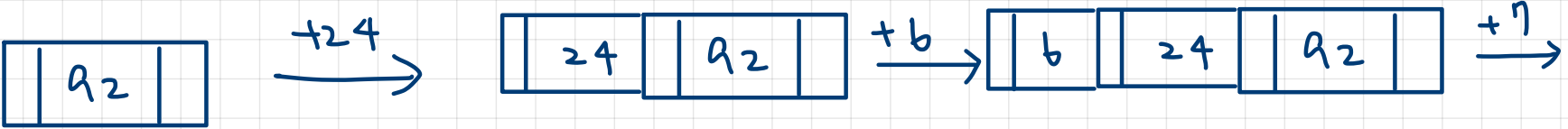


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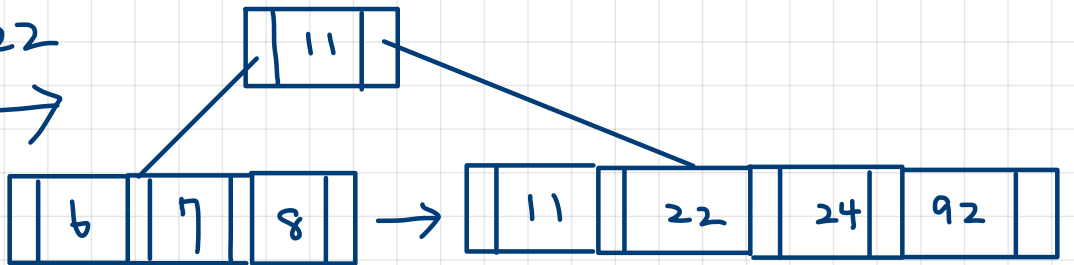


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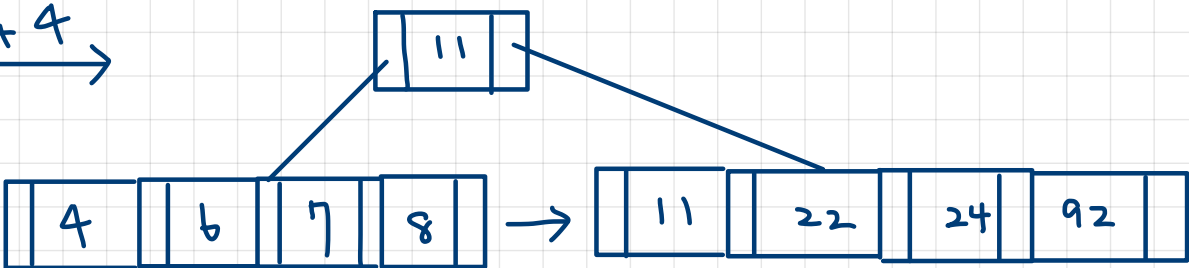
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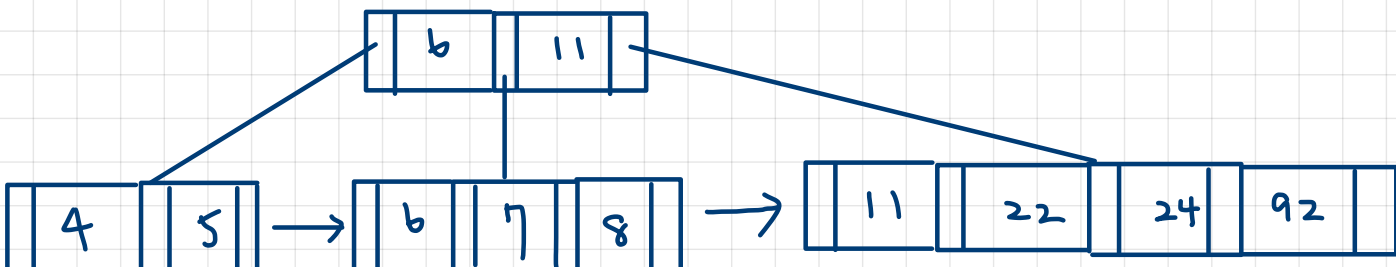
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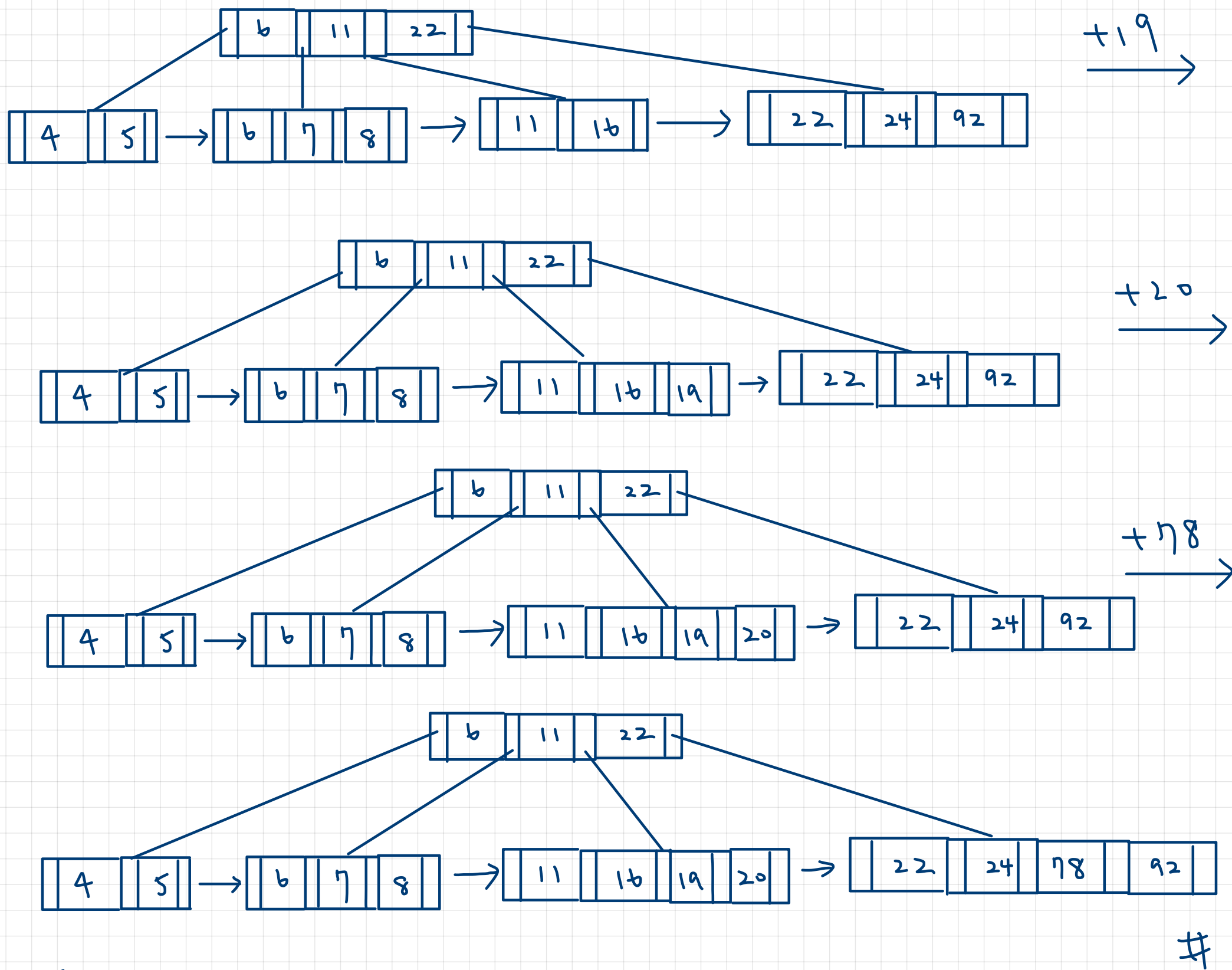
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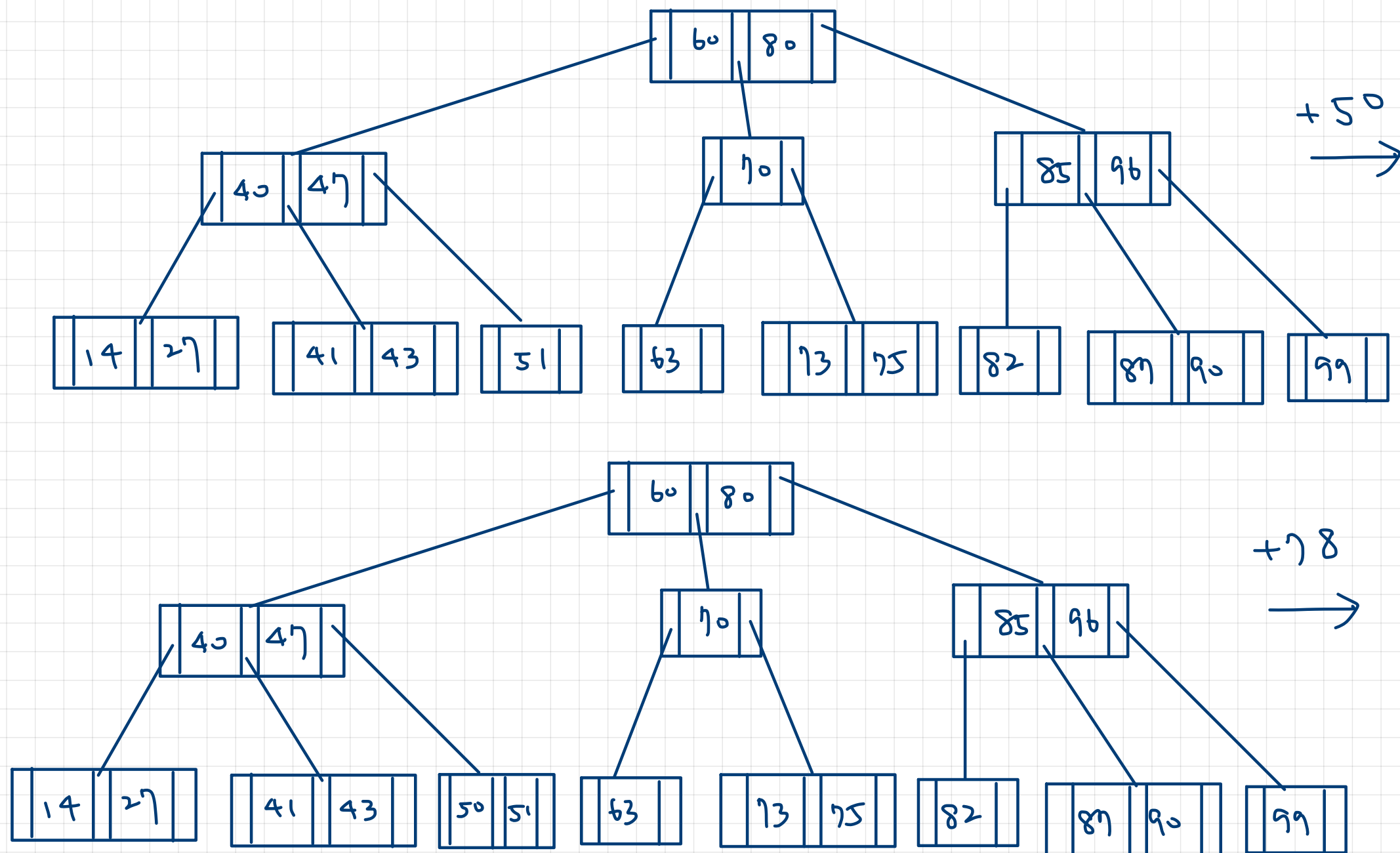
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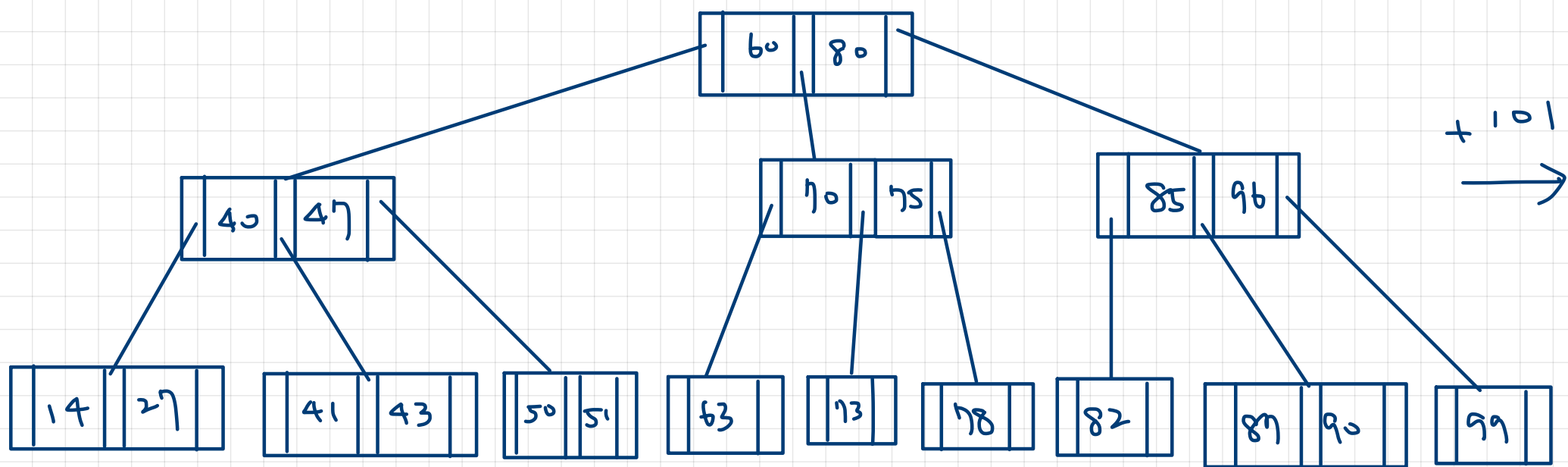


+16

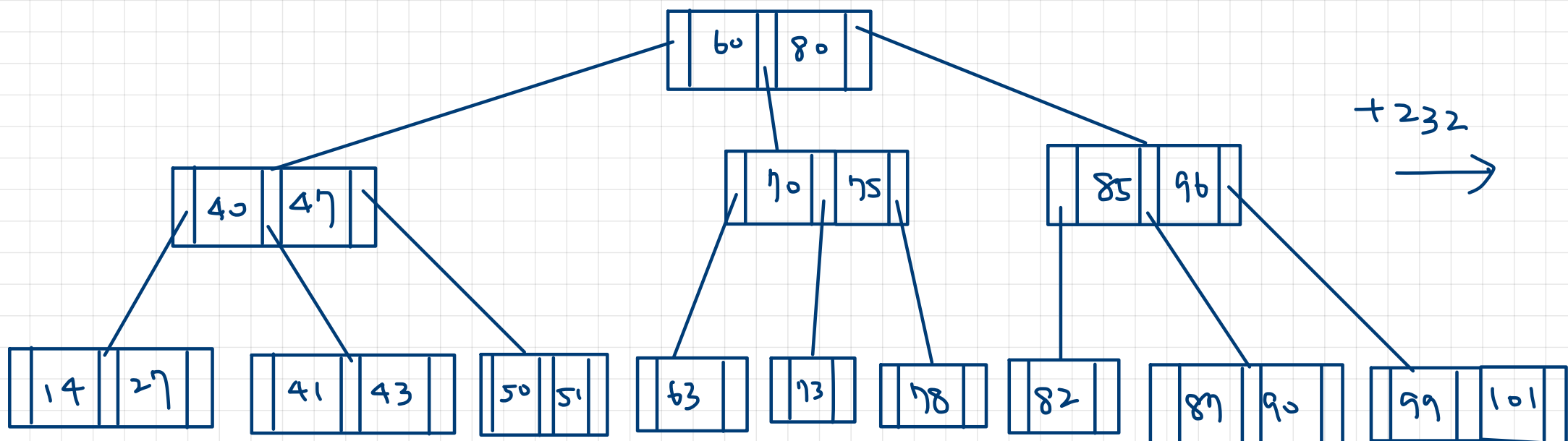


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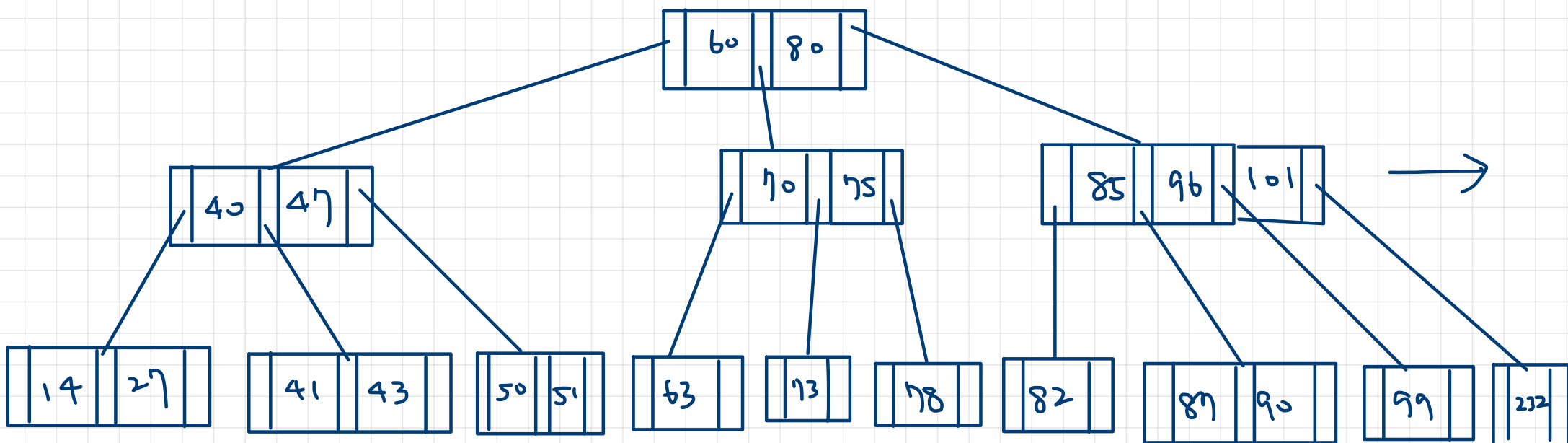




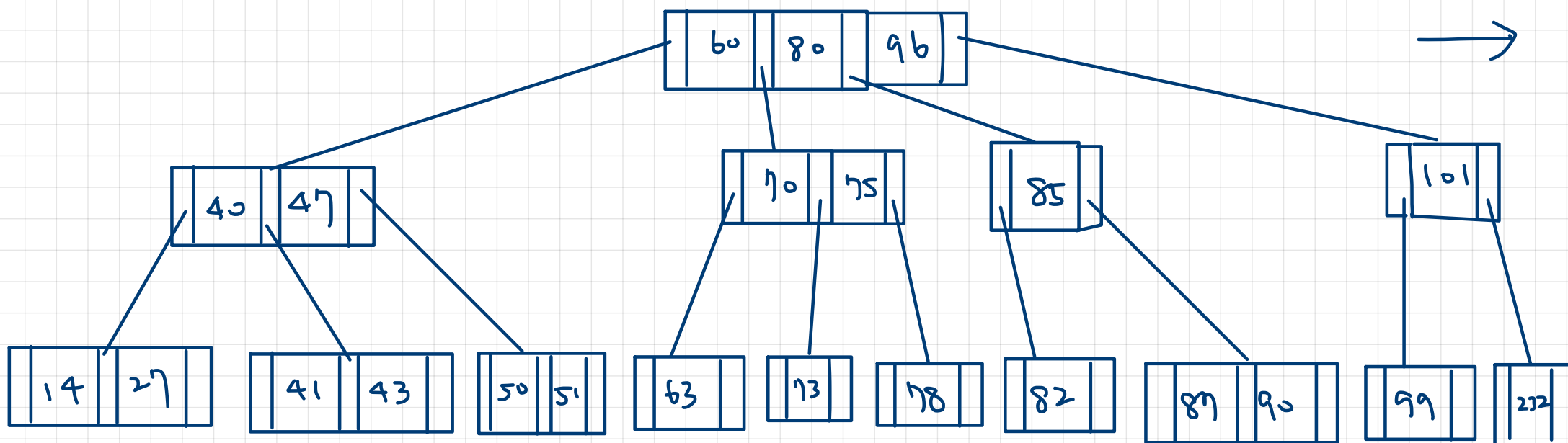
+ 101  
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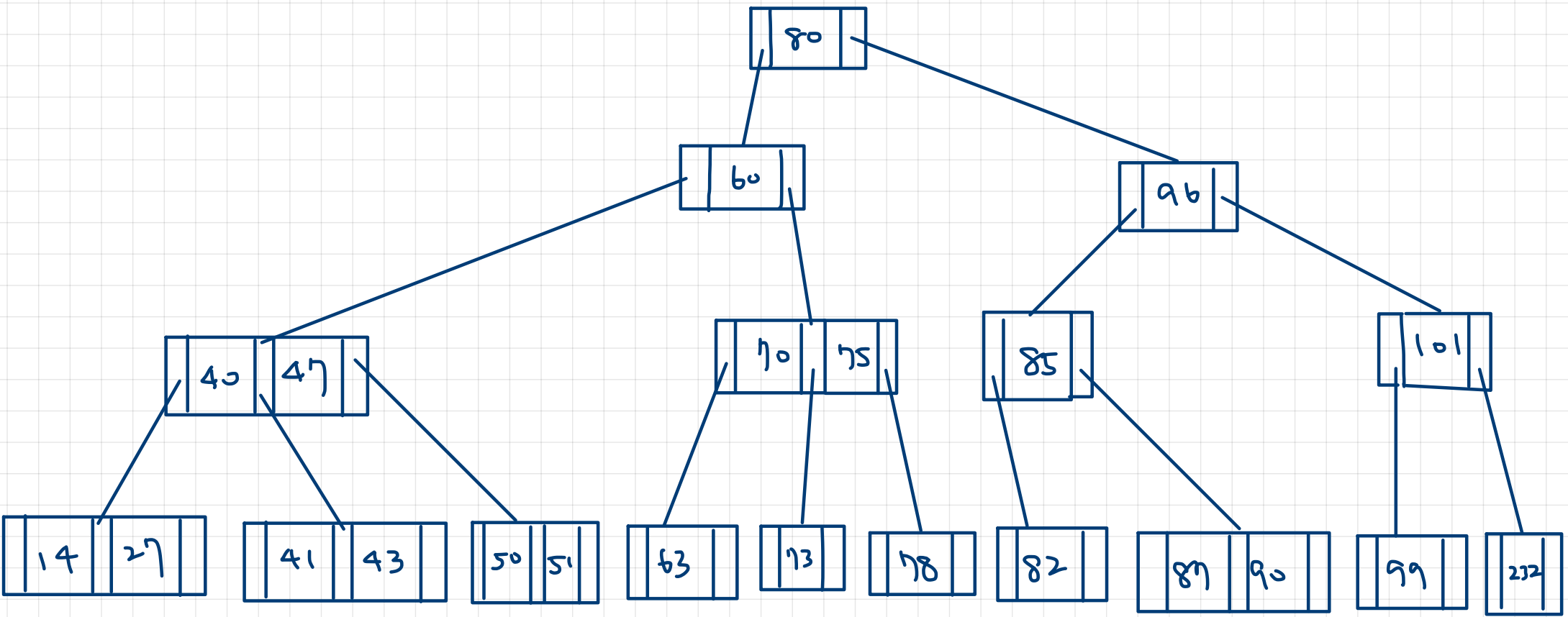
+ 232  
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