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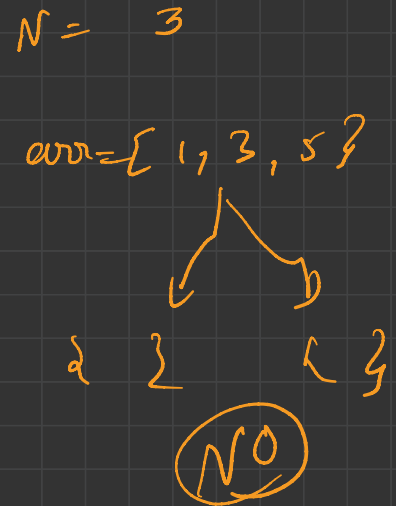
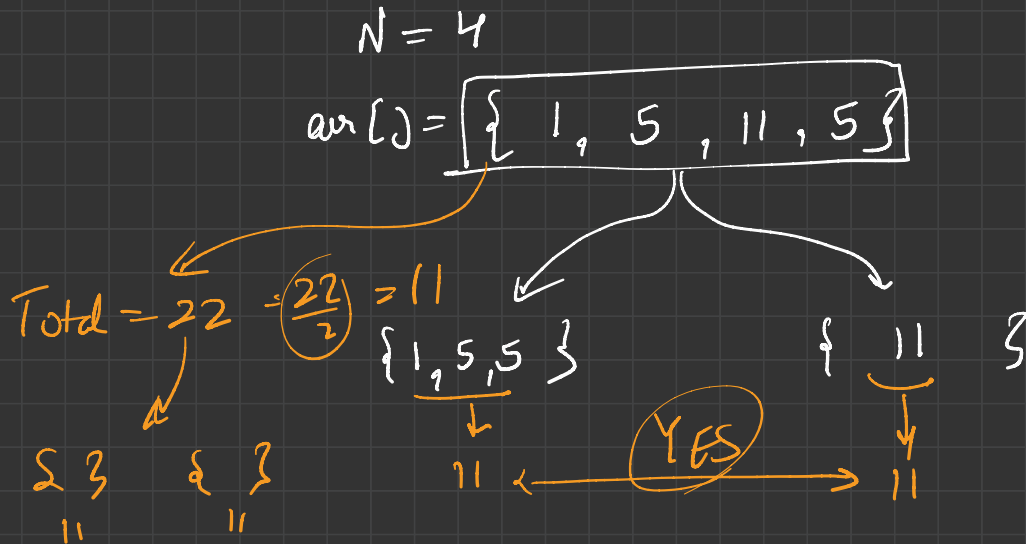
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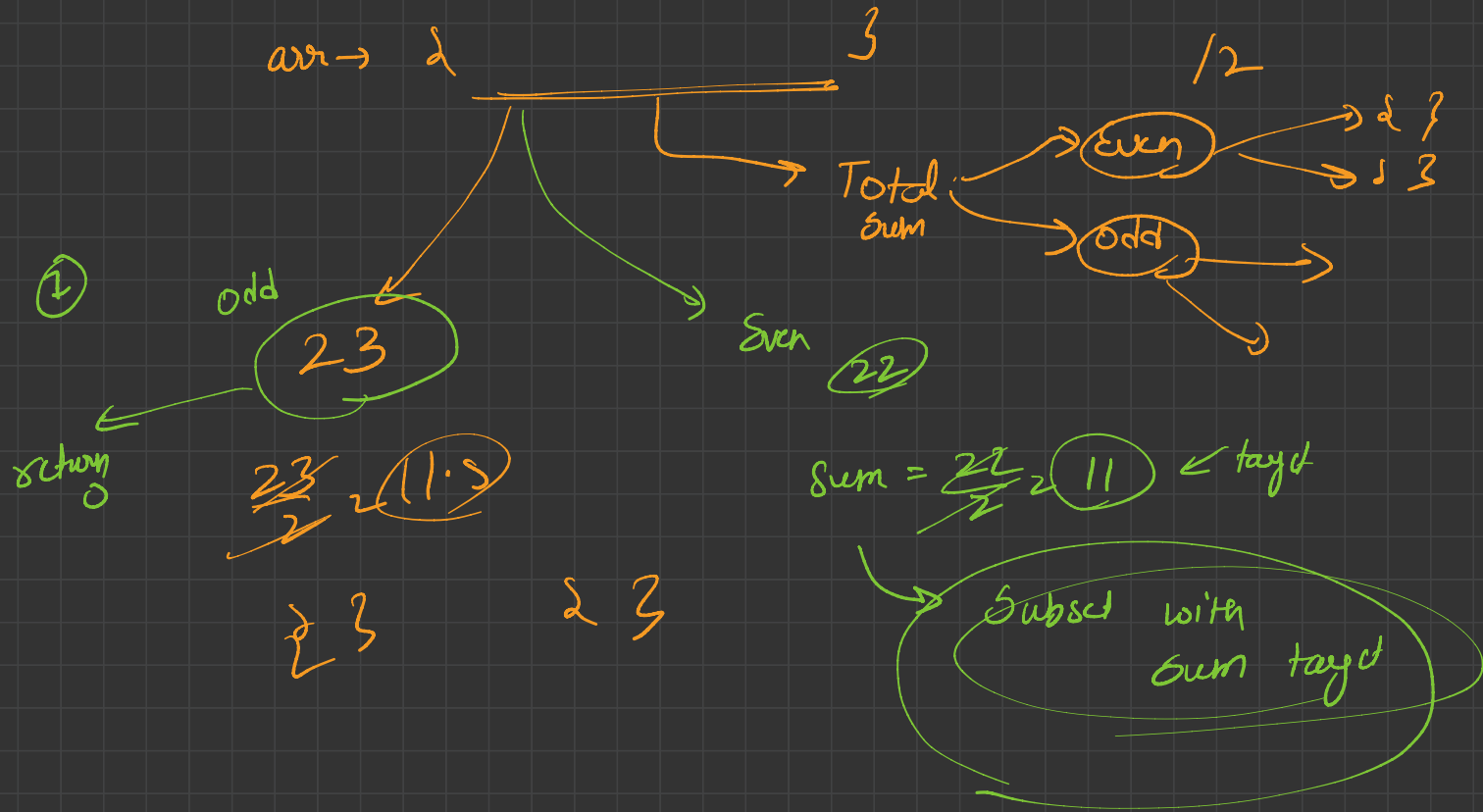
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# Dynamic Programming

→ Partition Equal Subset Sum:-



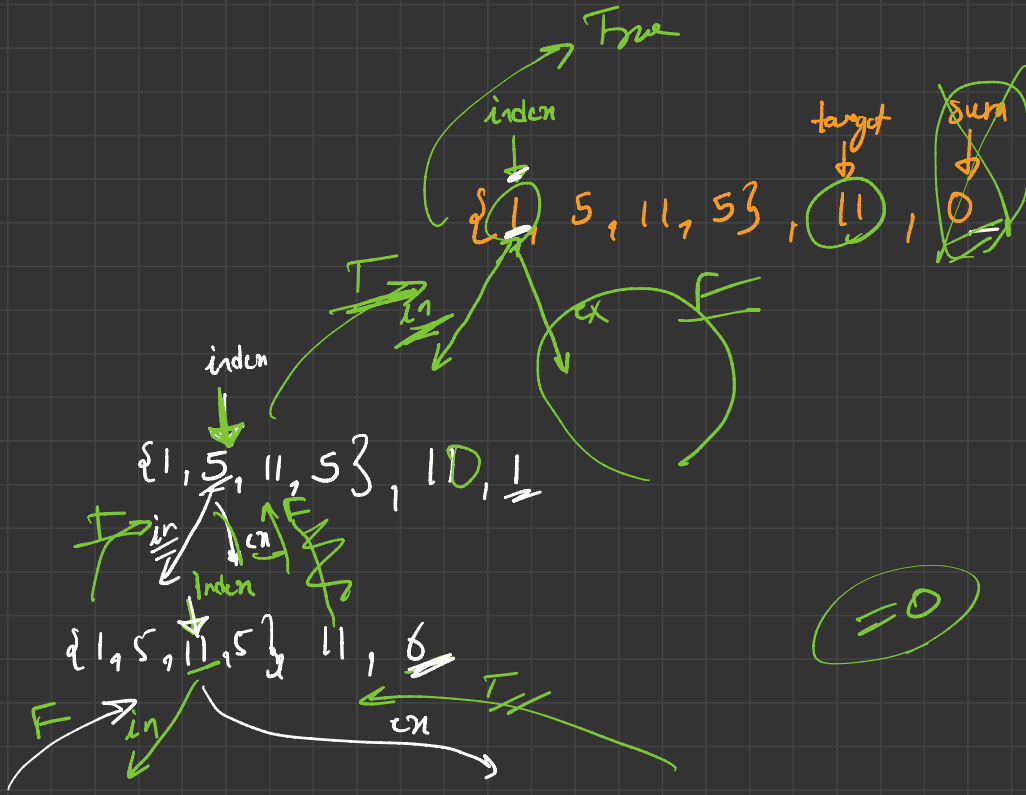


arr  $\rightarrow \{1, 5, 11, 5\}$

Total = 22 → Exit

bag of 2  $\frac{22}{2}$  2 11

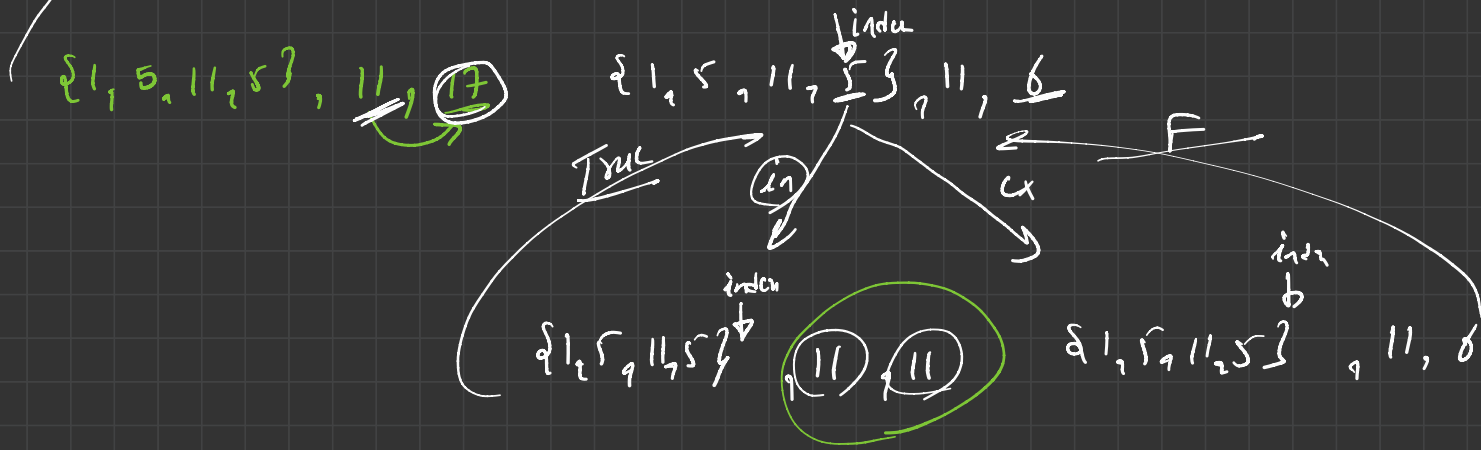
target



T or F

F

$$= 0$$



Top Down

index  $\rightarrow 0 \rightarrow N$   
 target  $\rightarrow total/2 \rightarrow 0$

Bottom-up

50  $\rightarrow ?$

