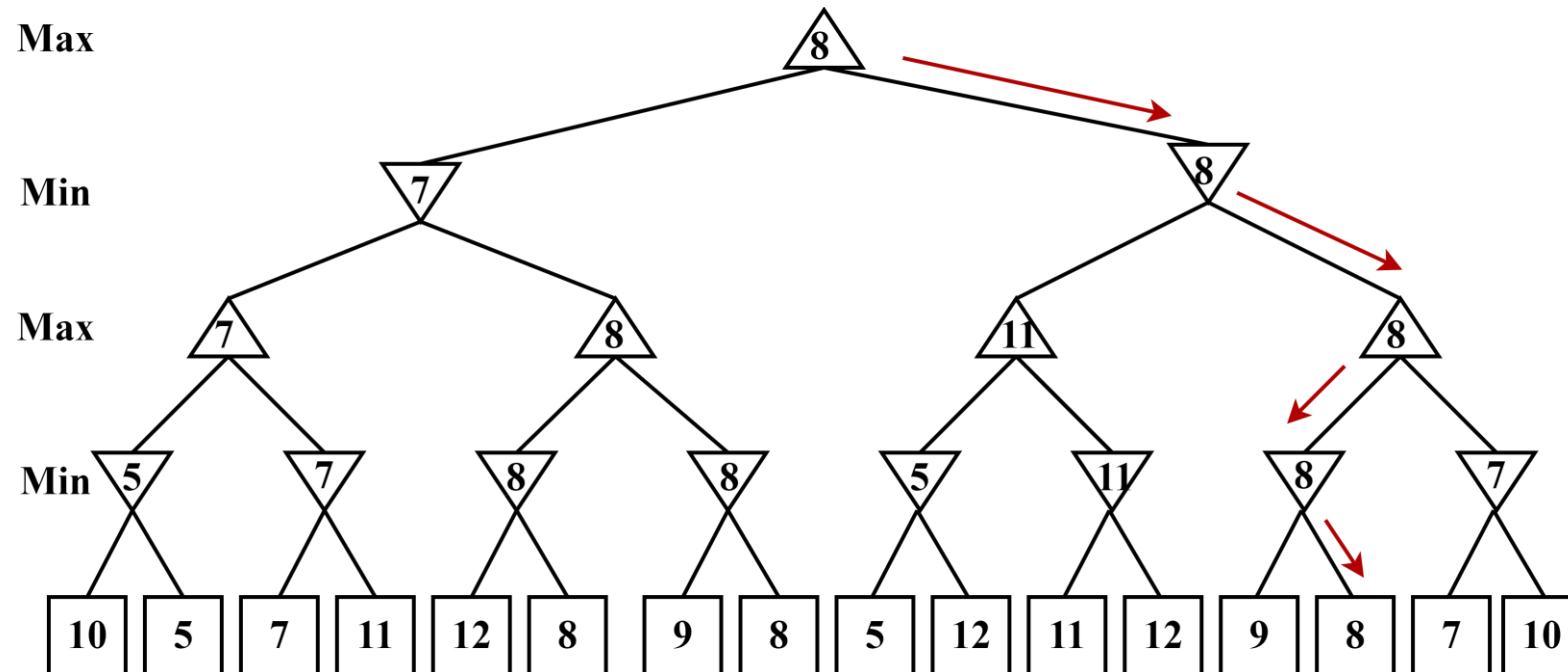


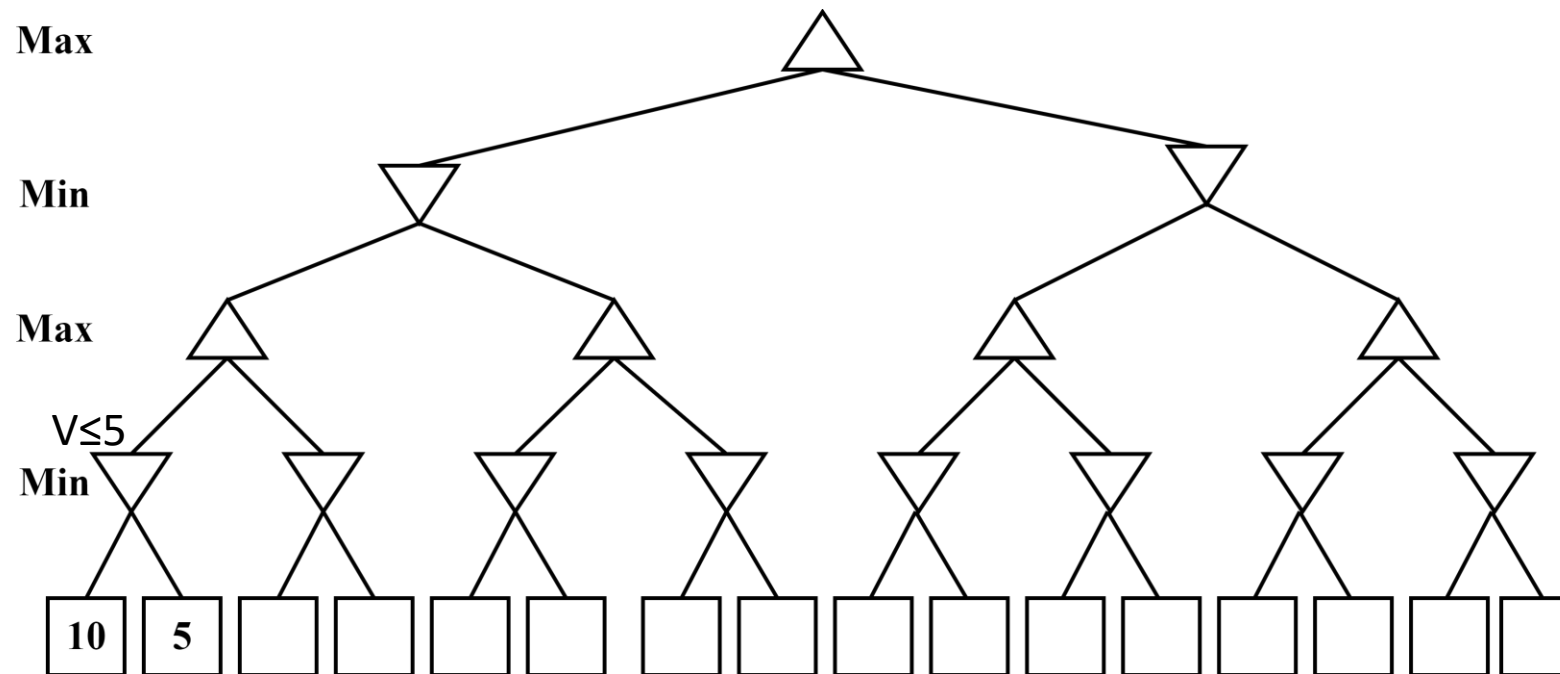
Question 1

- Give the minimax value at each node for the game tree below.



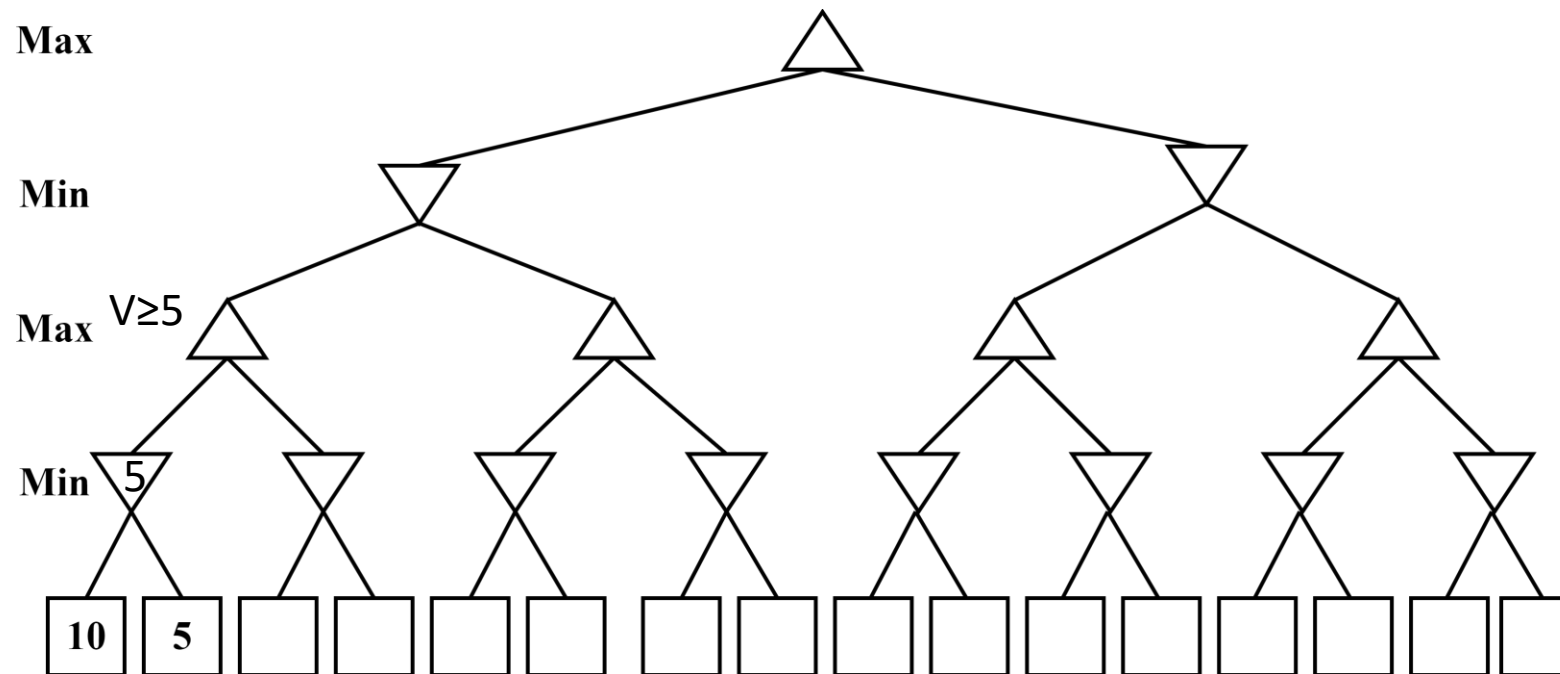
Question 2

- Find the nodes of the following tree pruned by alpha-beta pruning algorithm. Assuming child nodes are visited from left to right. There are five layers and you can use $Lm-n$ to denote the n th node from left to right in the layer m , e.g., the first node (with value 10) at the bottom layer can be denoted by $L5-1$.



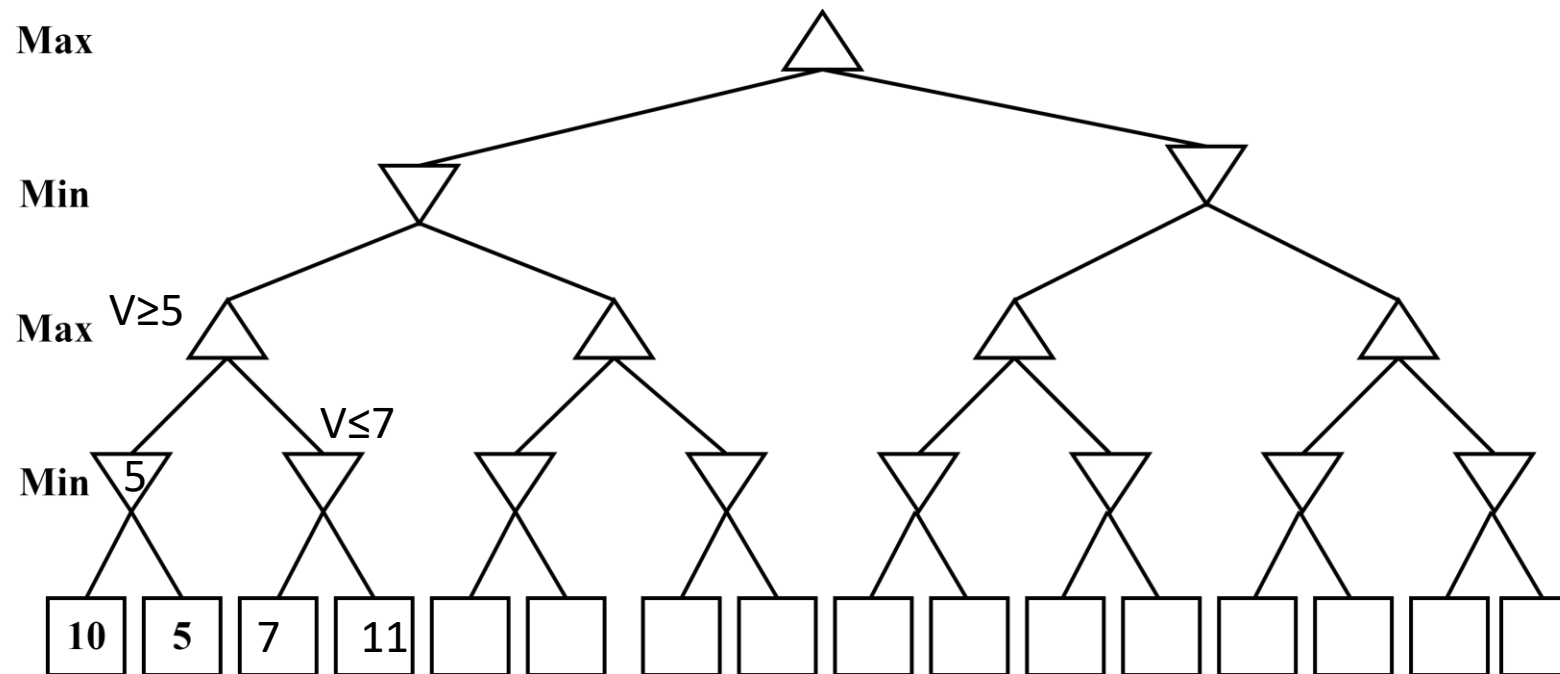
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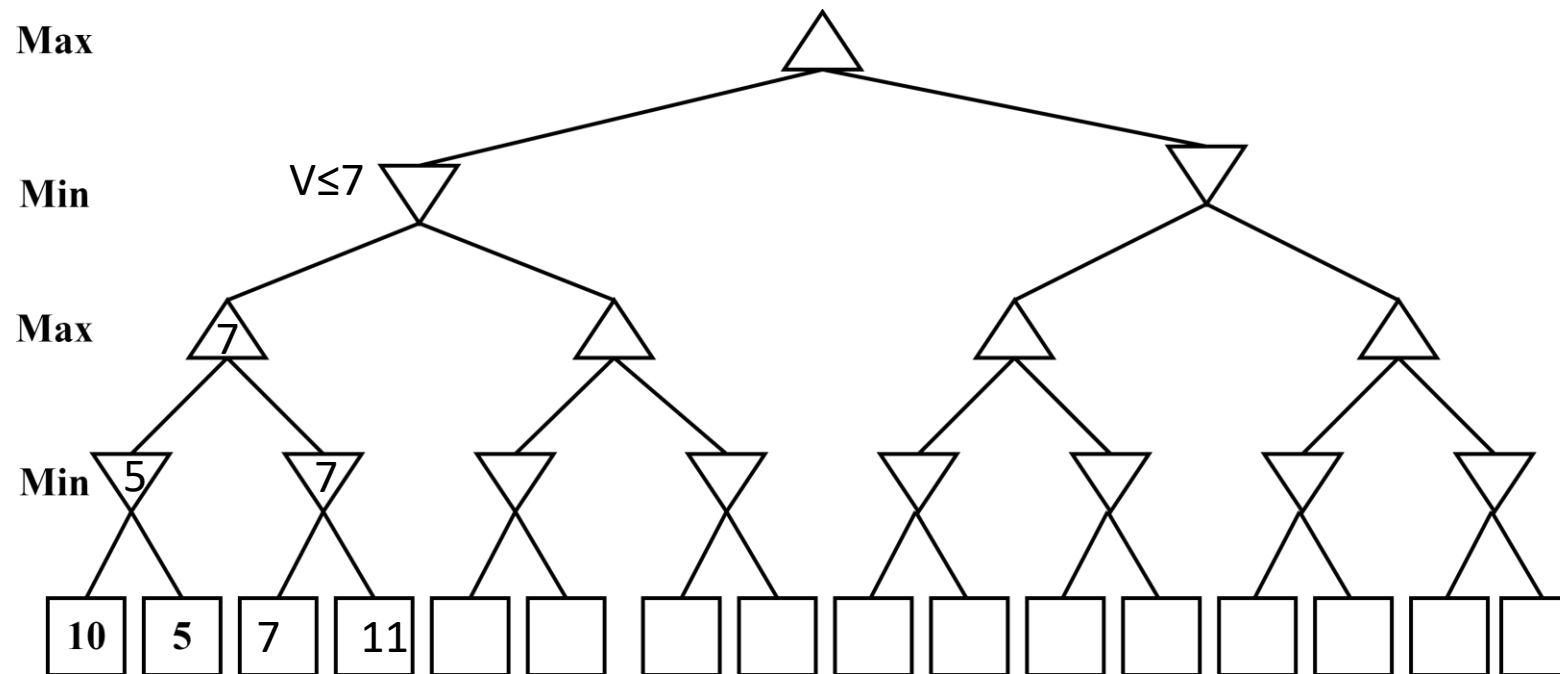
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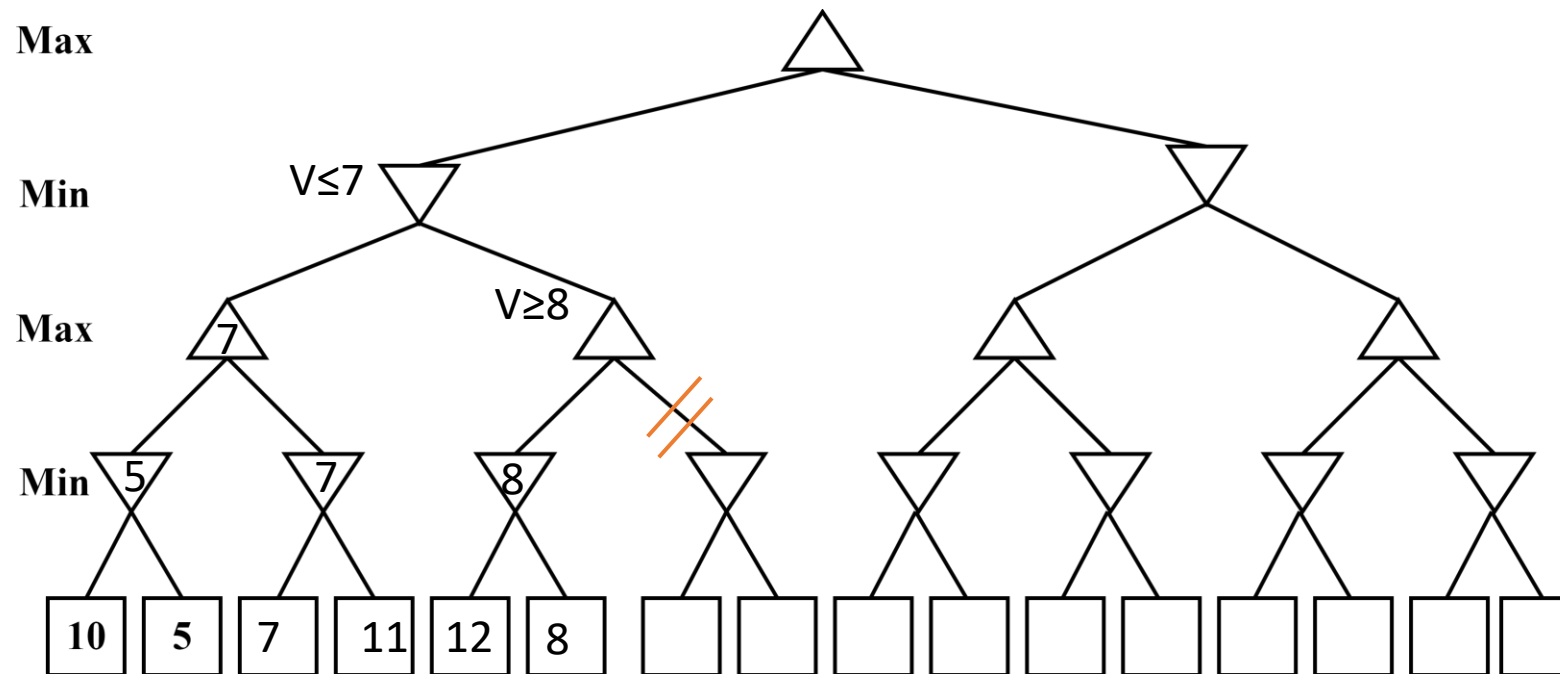
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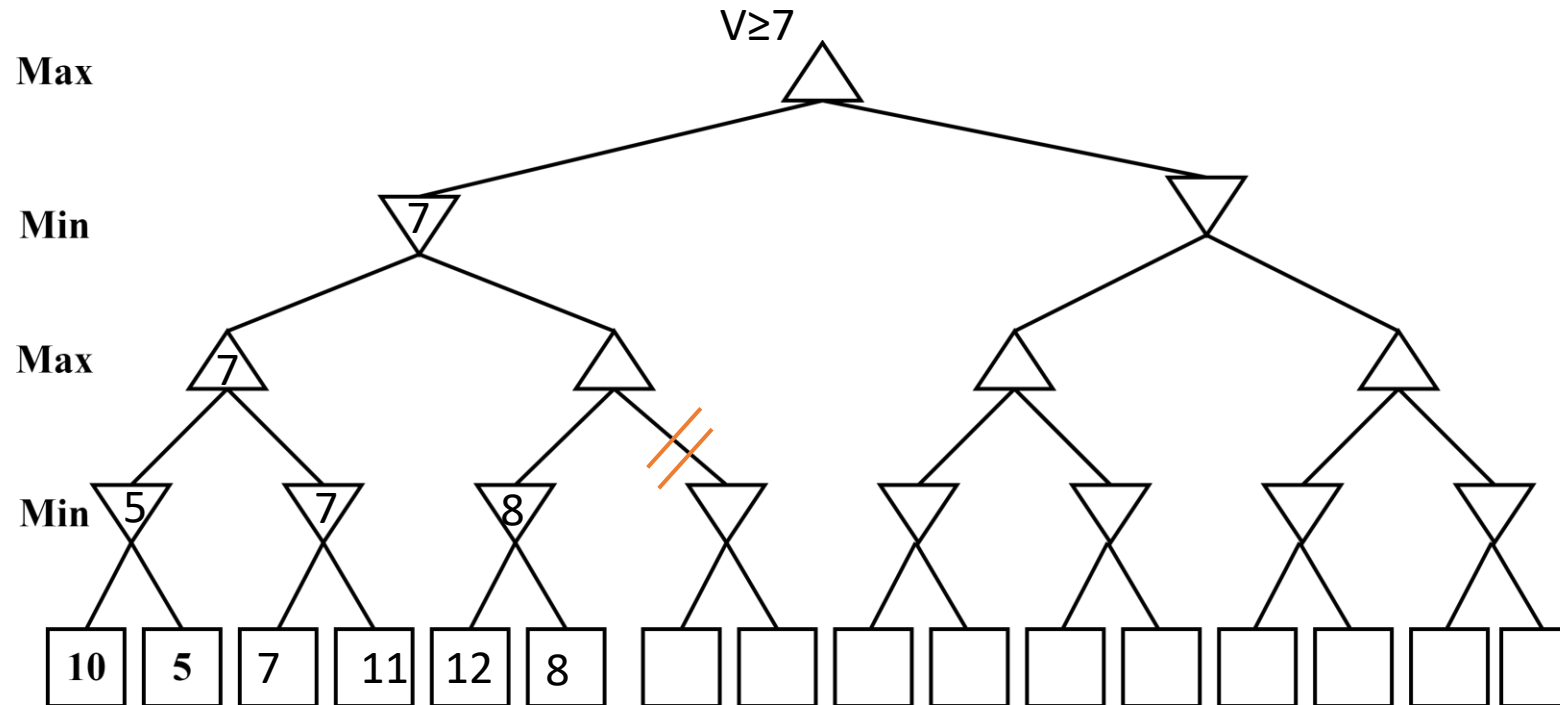
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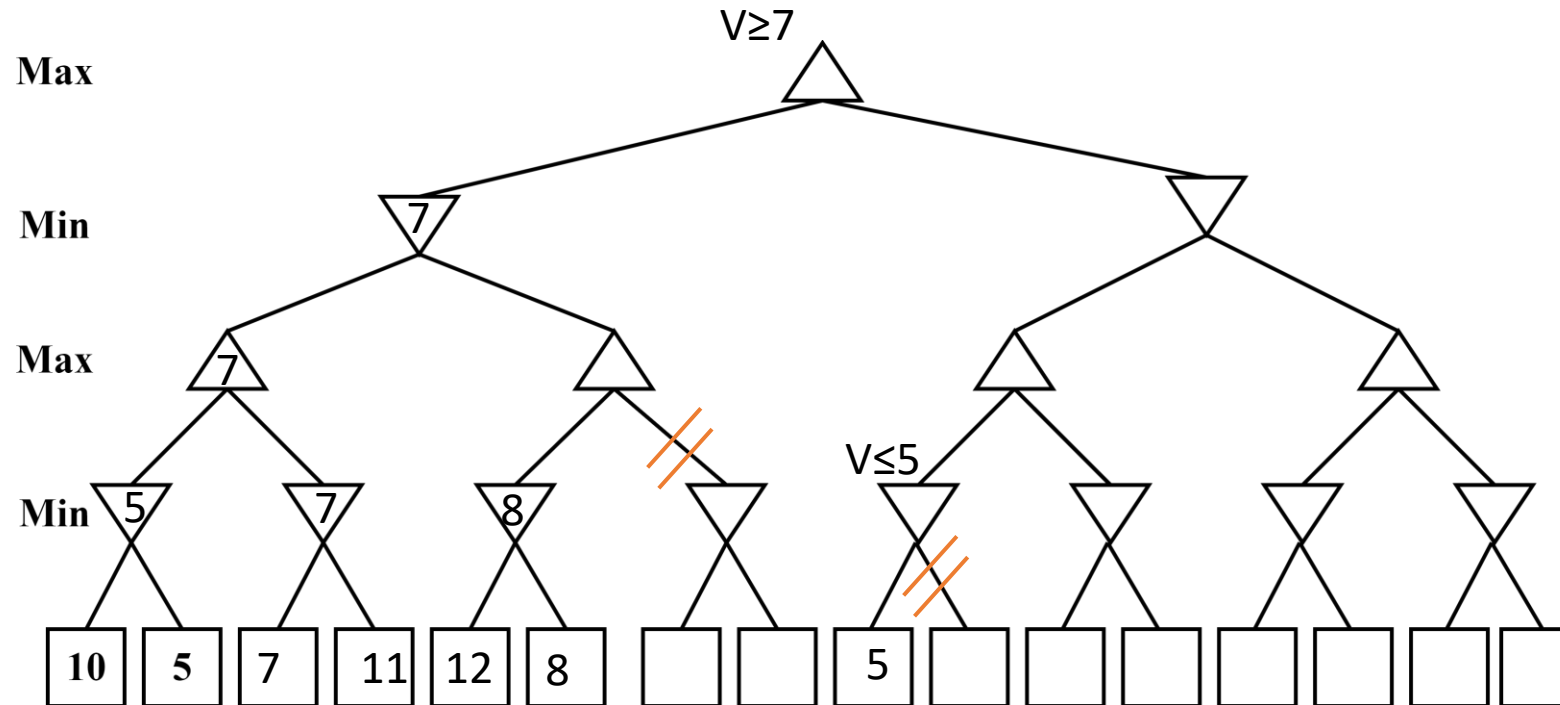
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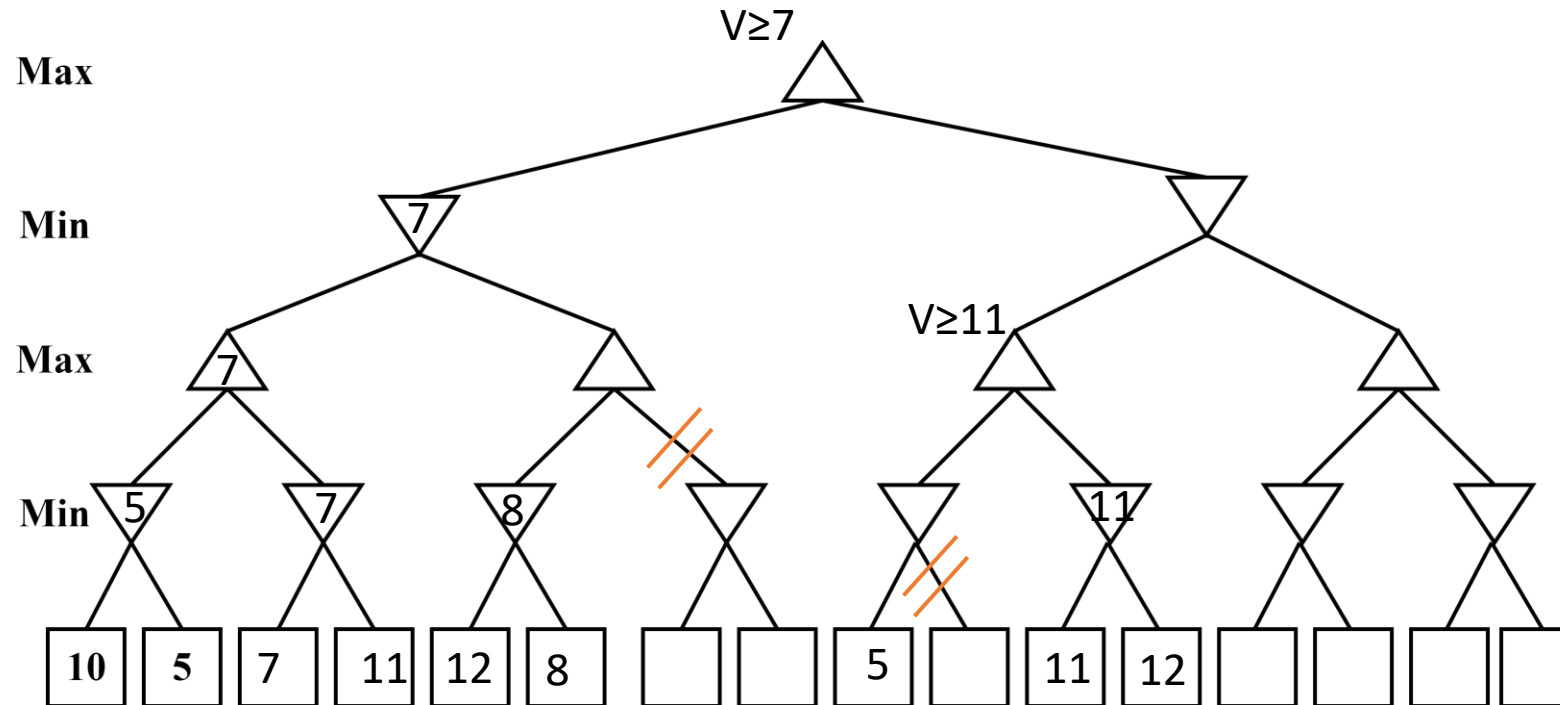
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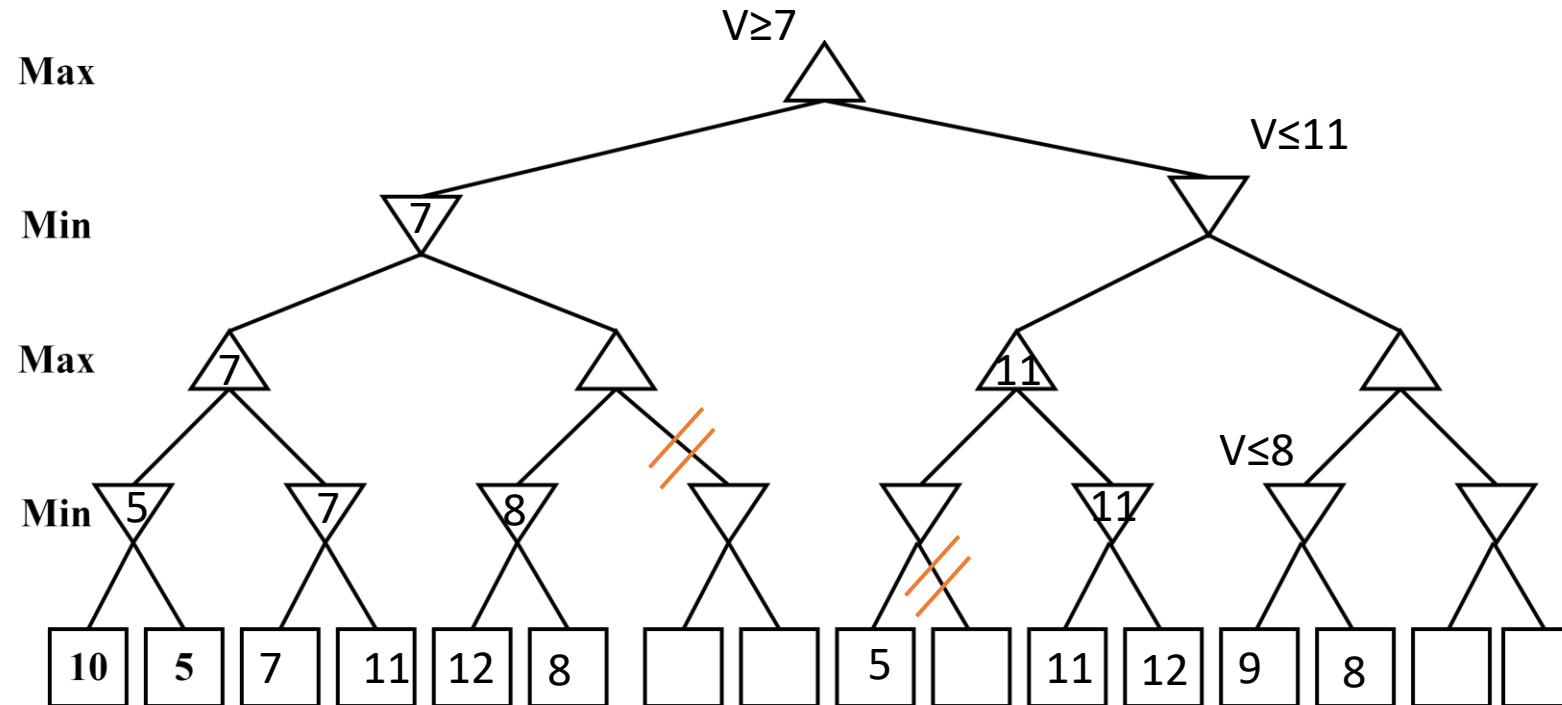
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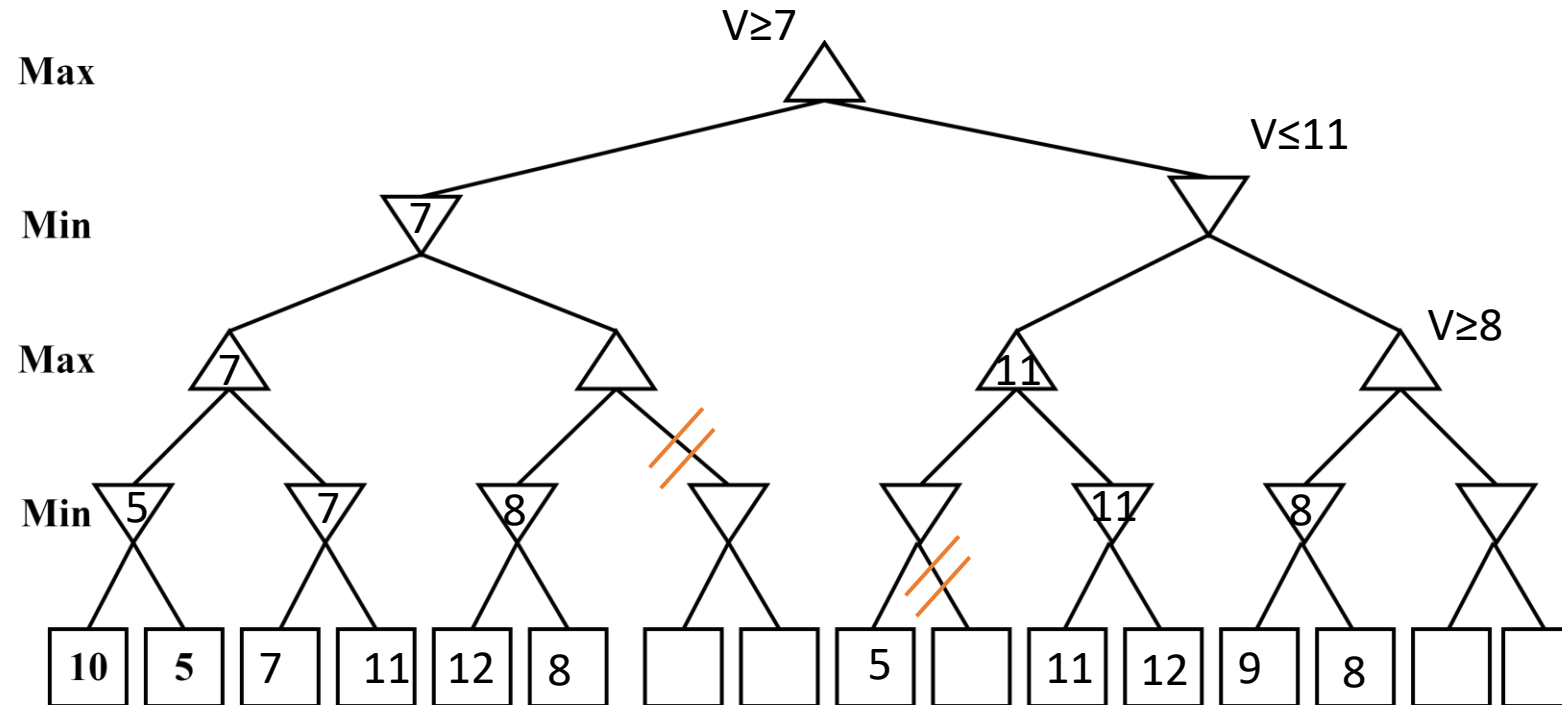
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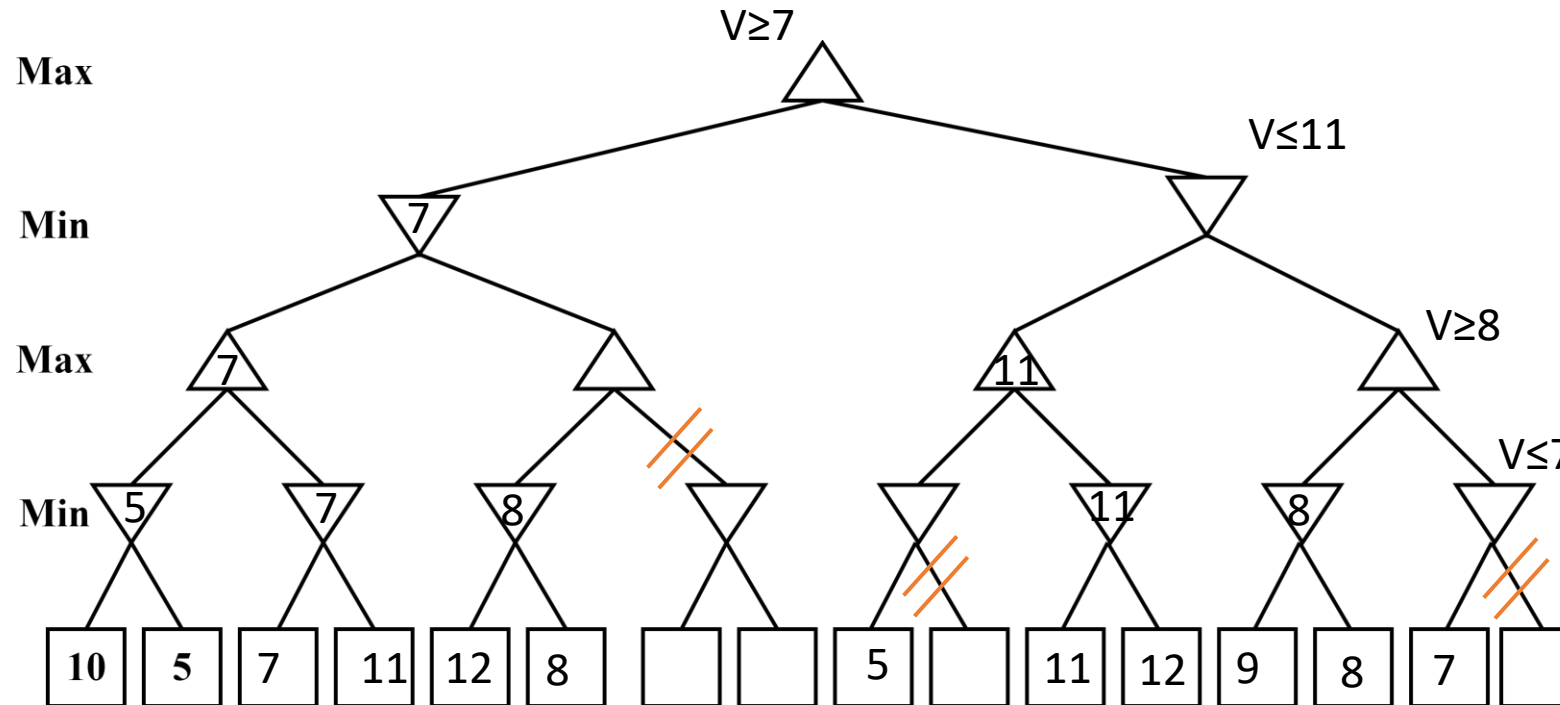
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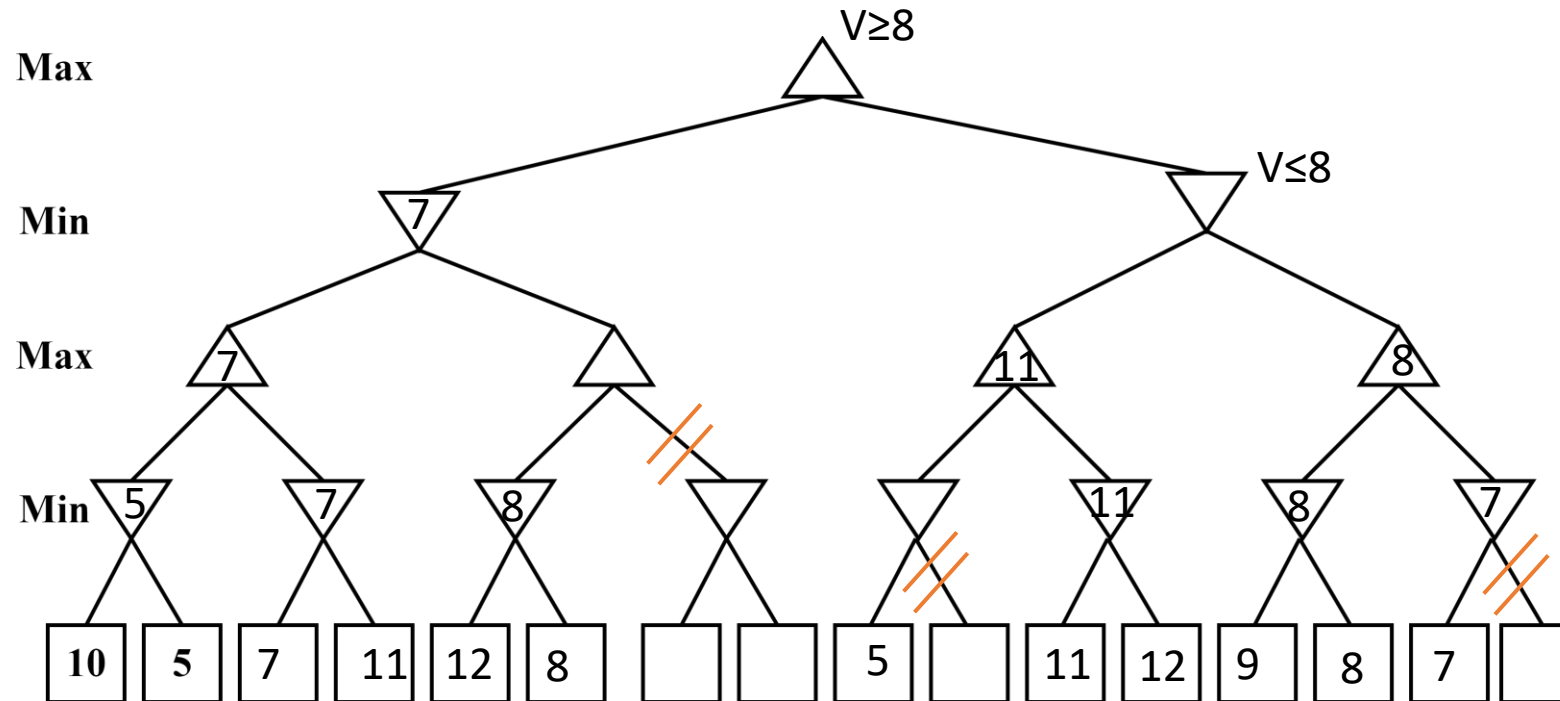
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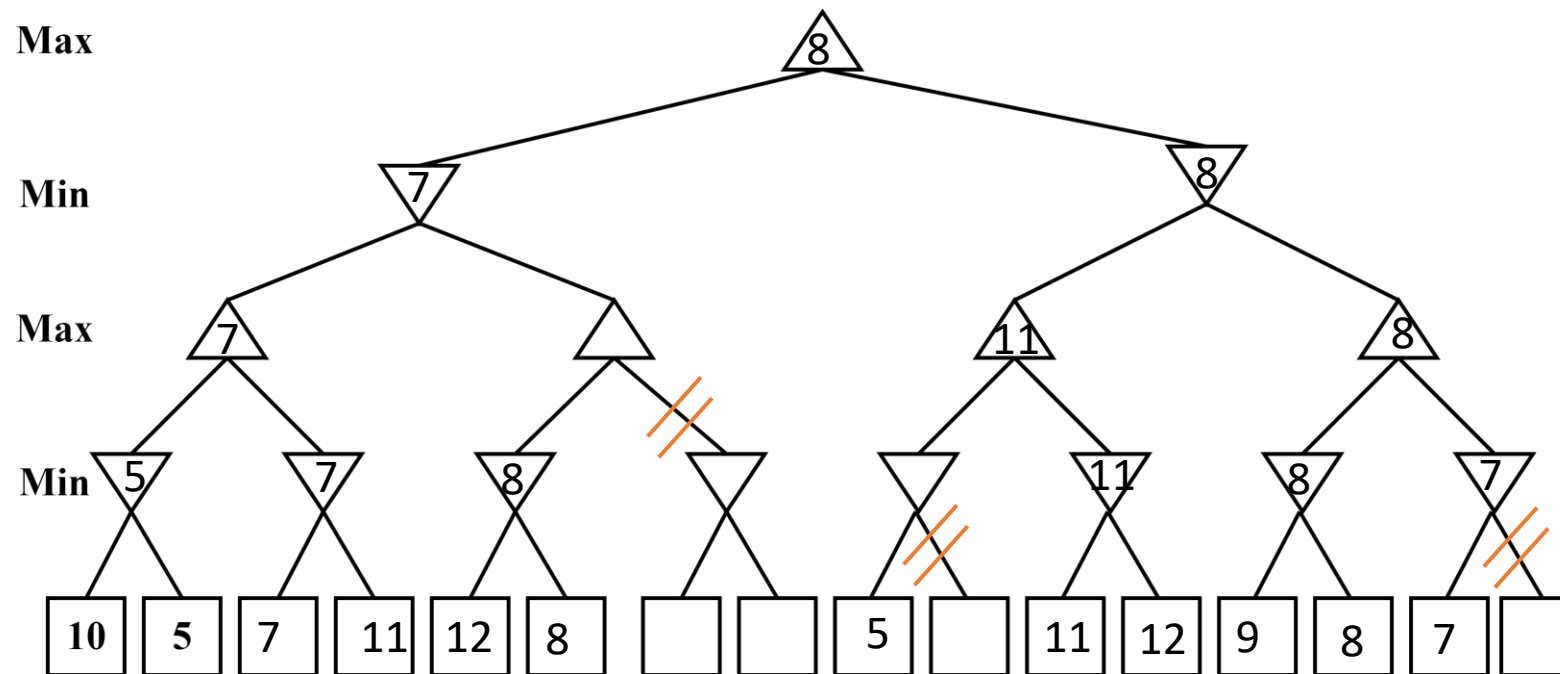
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Question 2

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The pruned nodes: L4-4, L5-7, L5-8 , L5-10 , L5-16