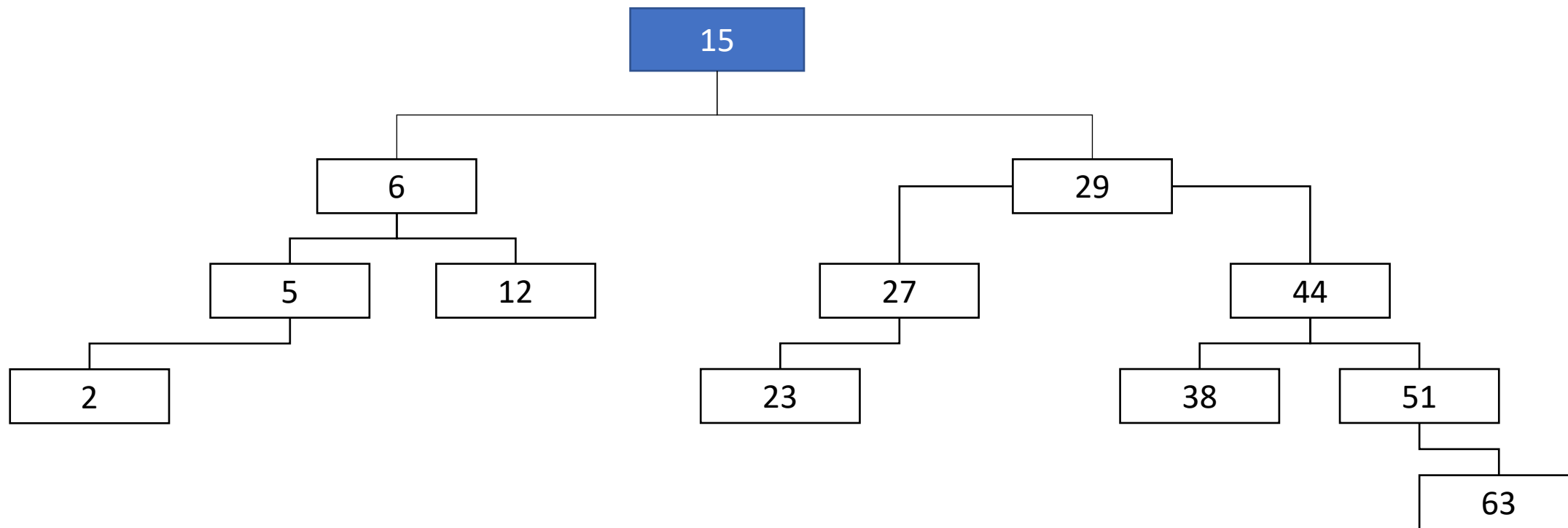
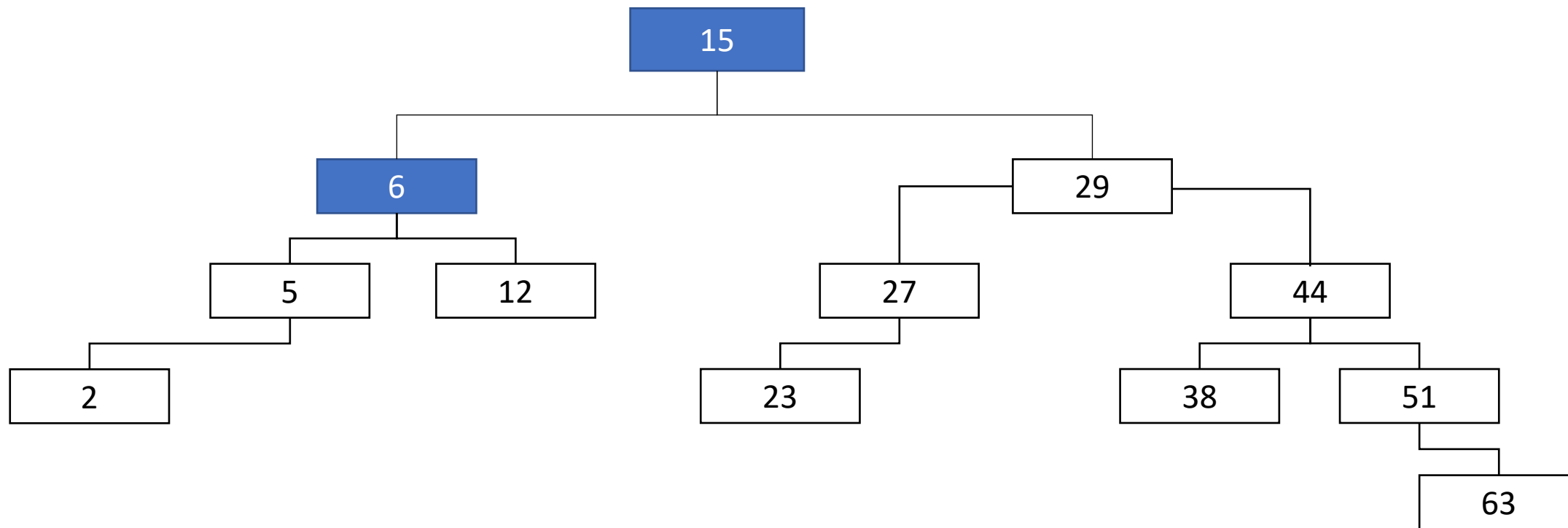
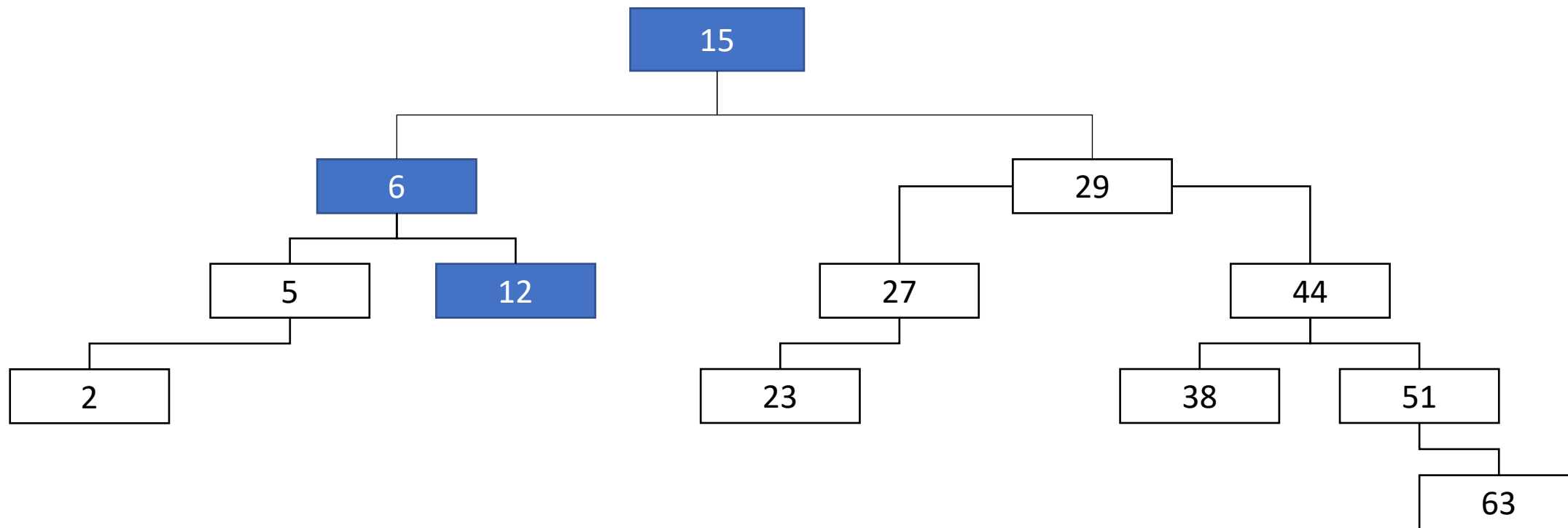
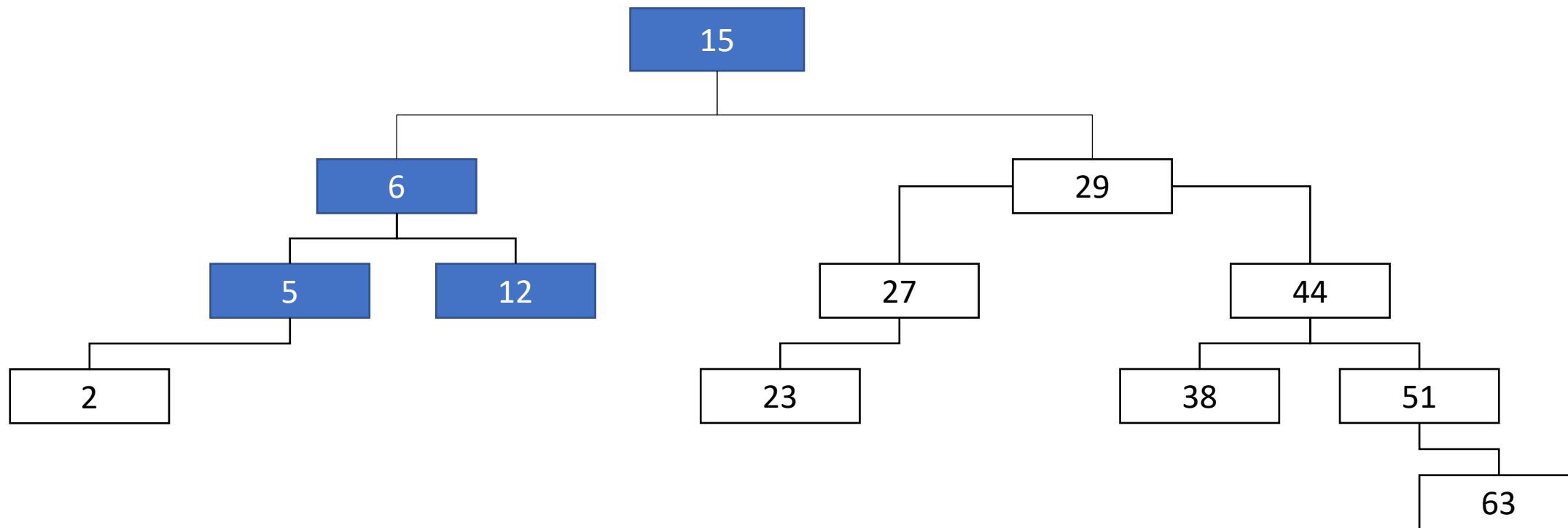


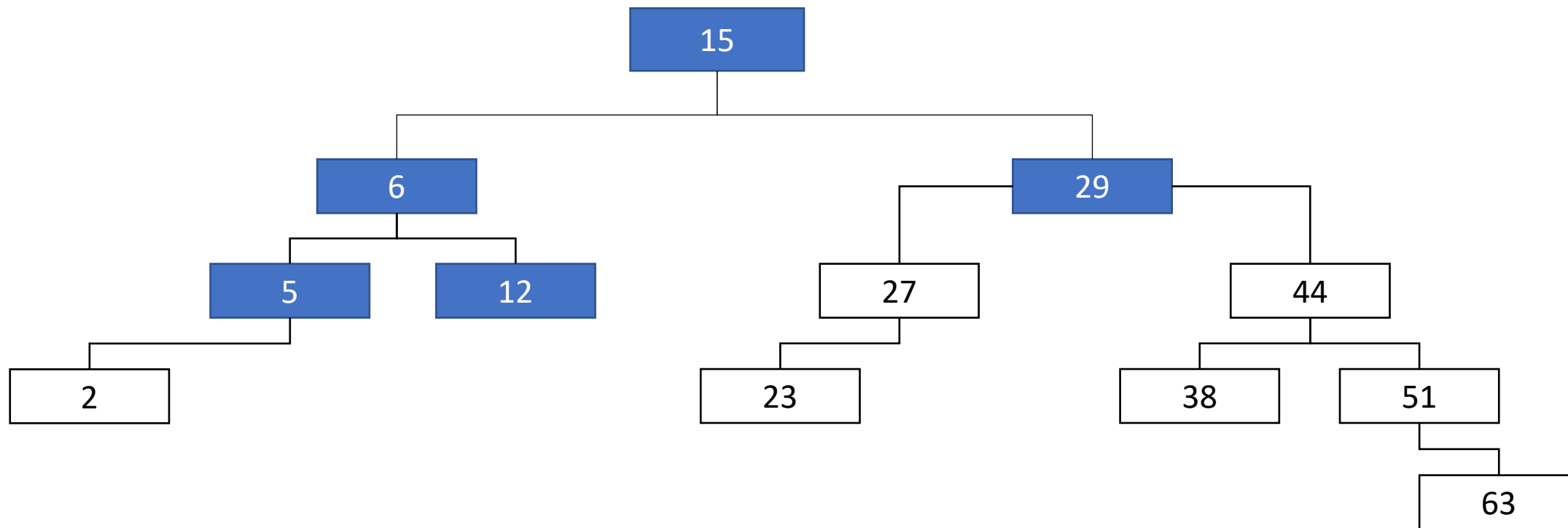
a) Insira os seguintes elementos em uma árvore binária de busca: 15, 6, 12, 5, 29, 27, 44, 51, 2, 63, 23, 38;

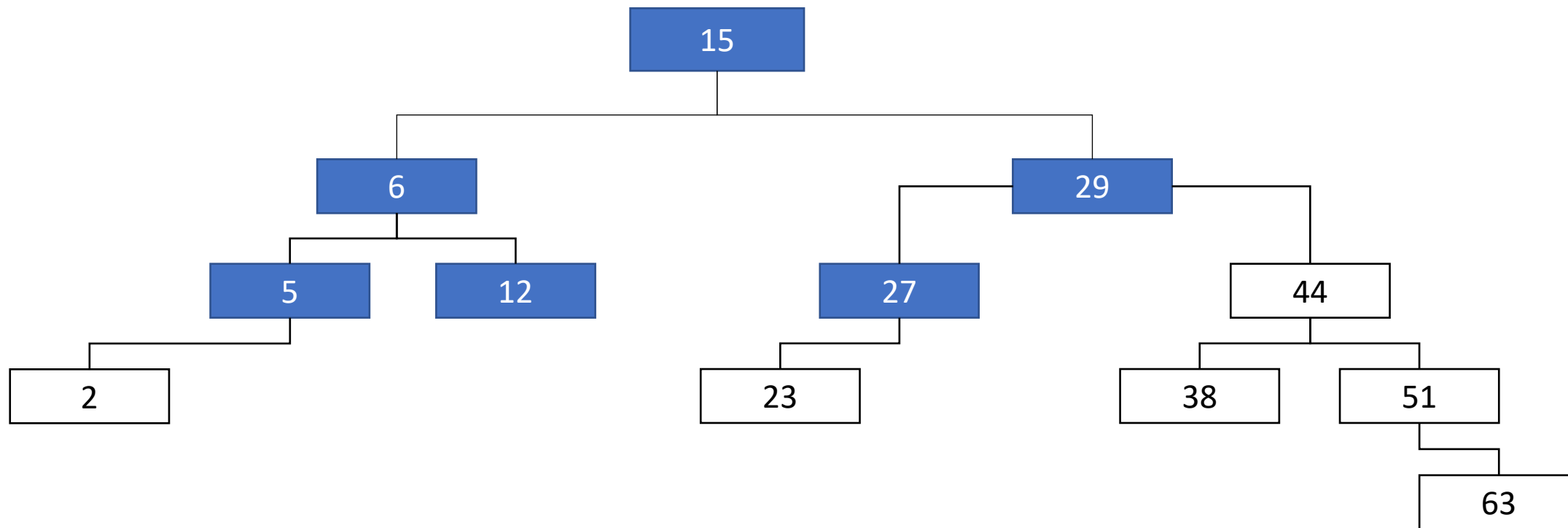


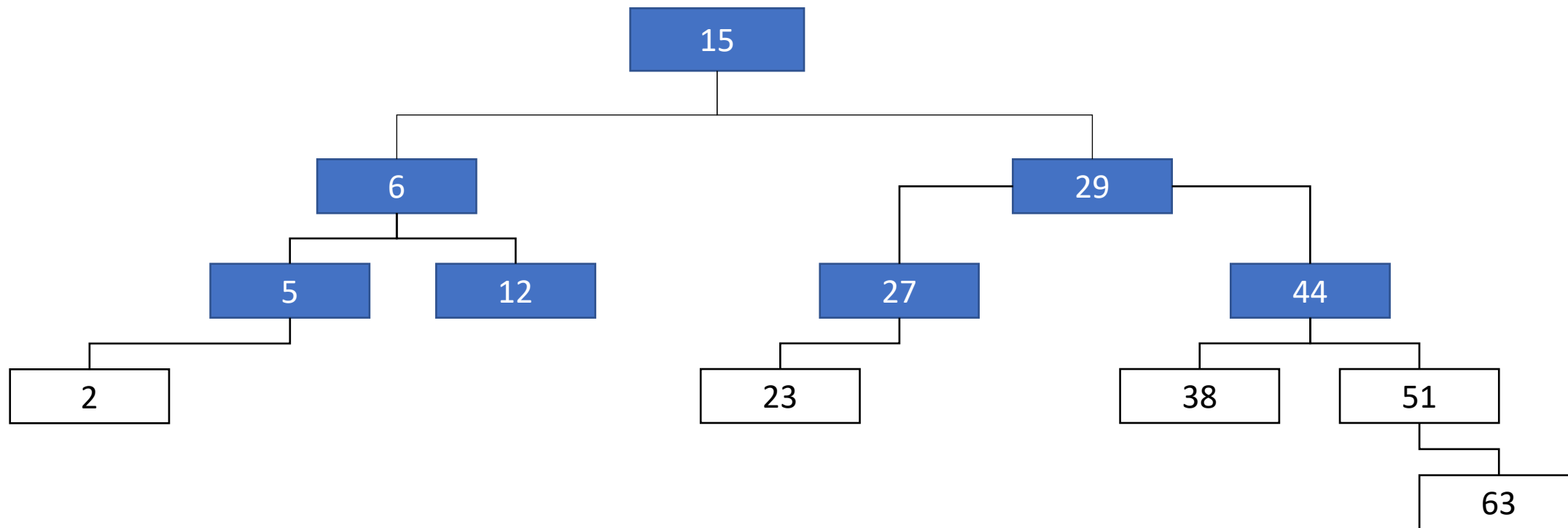




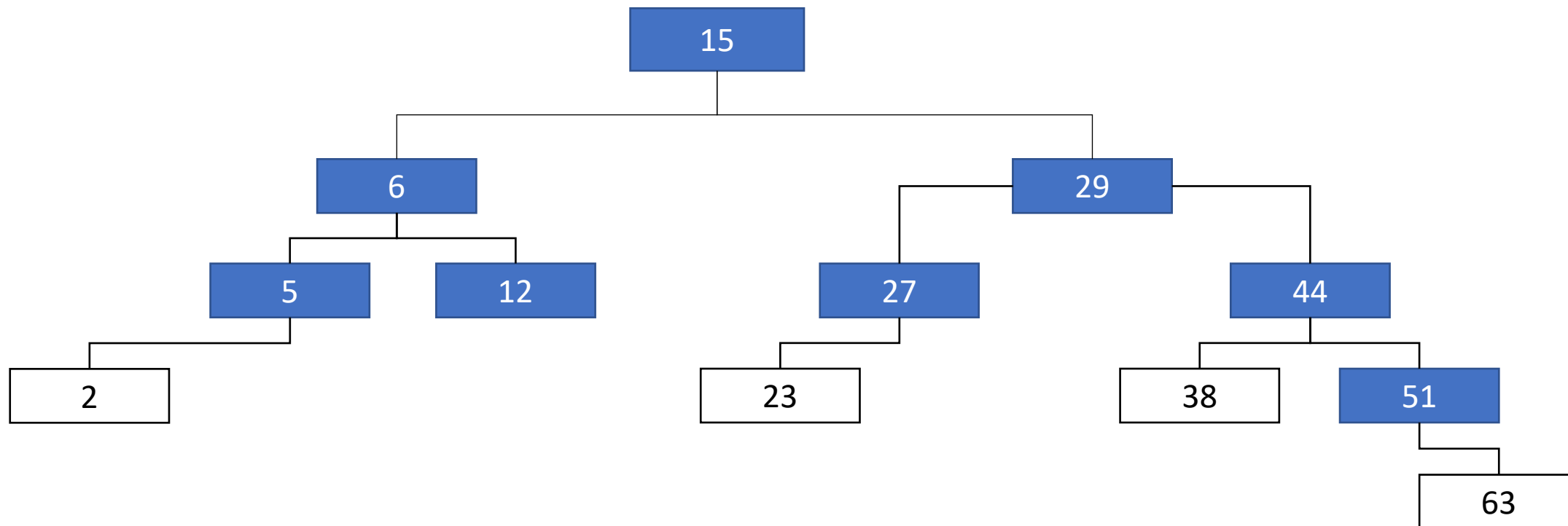


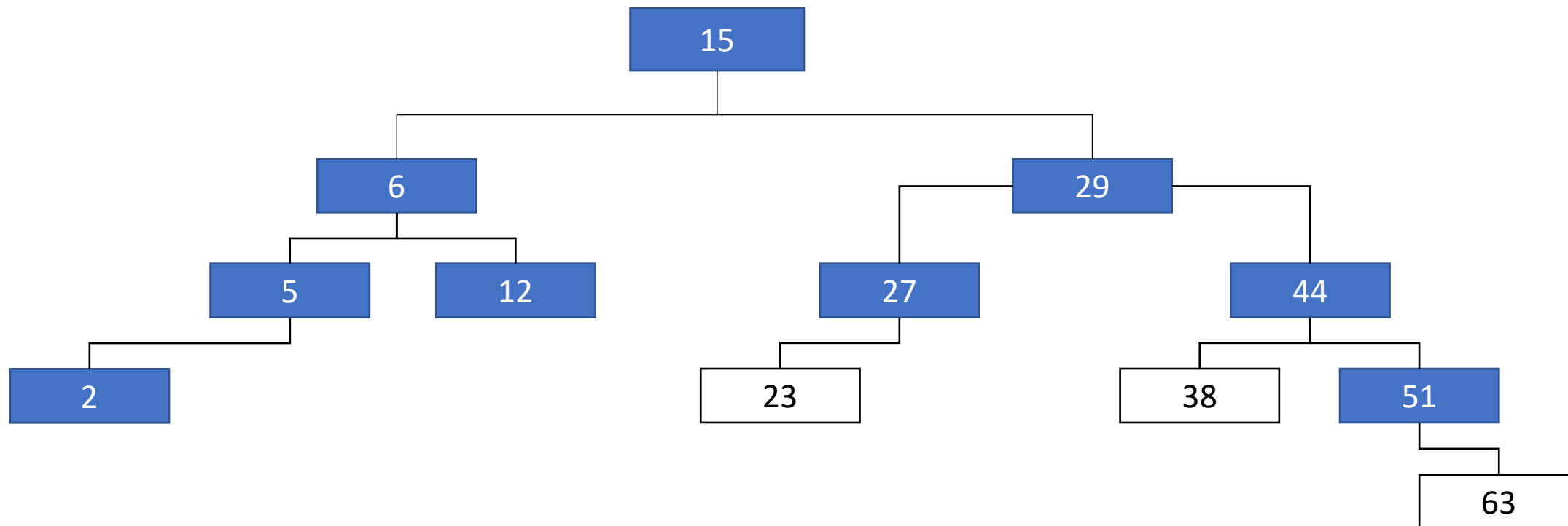


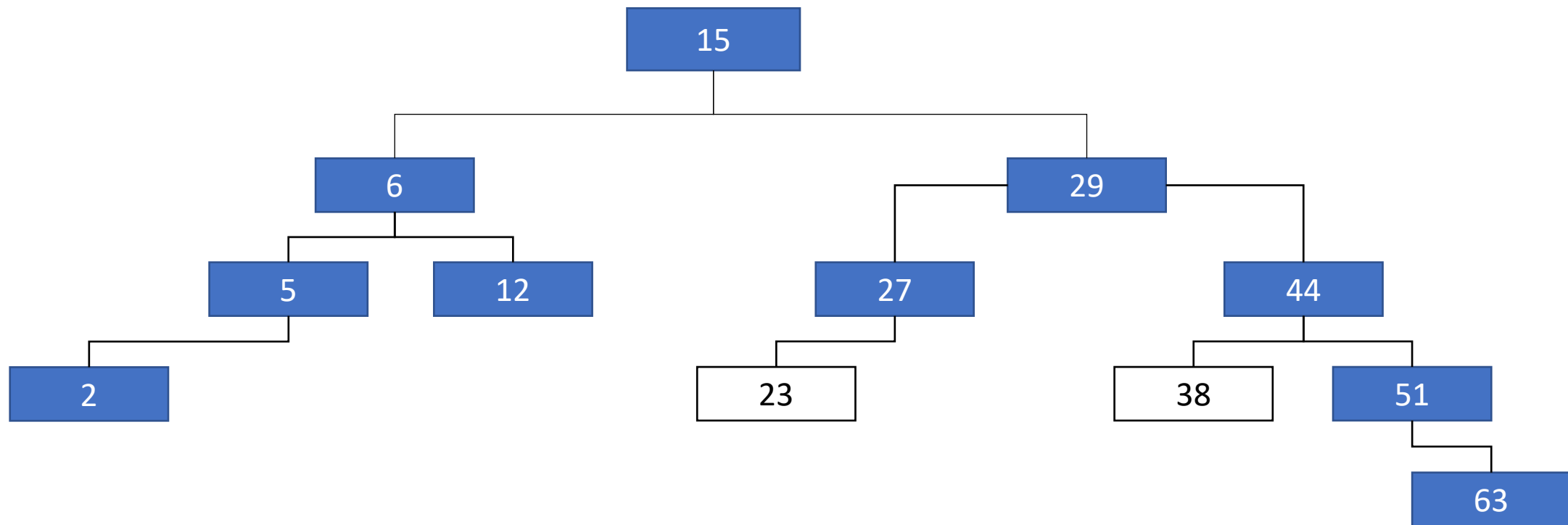


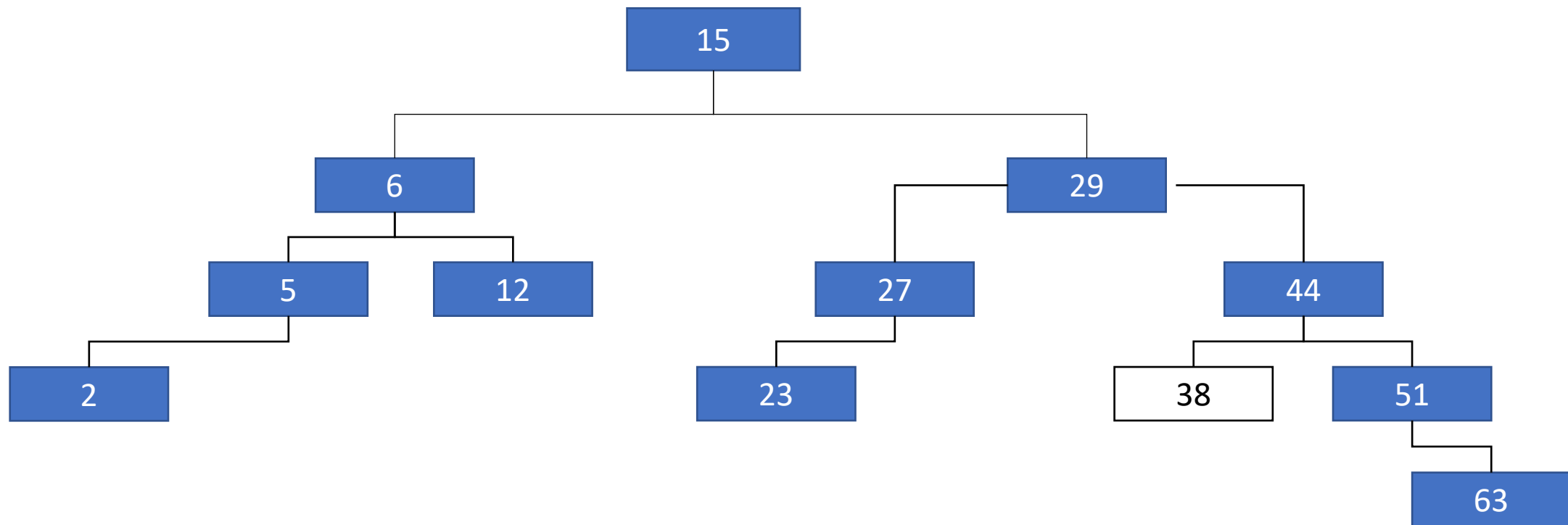


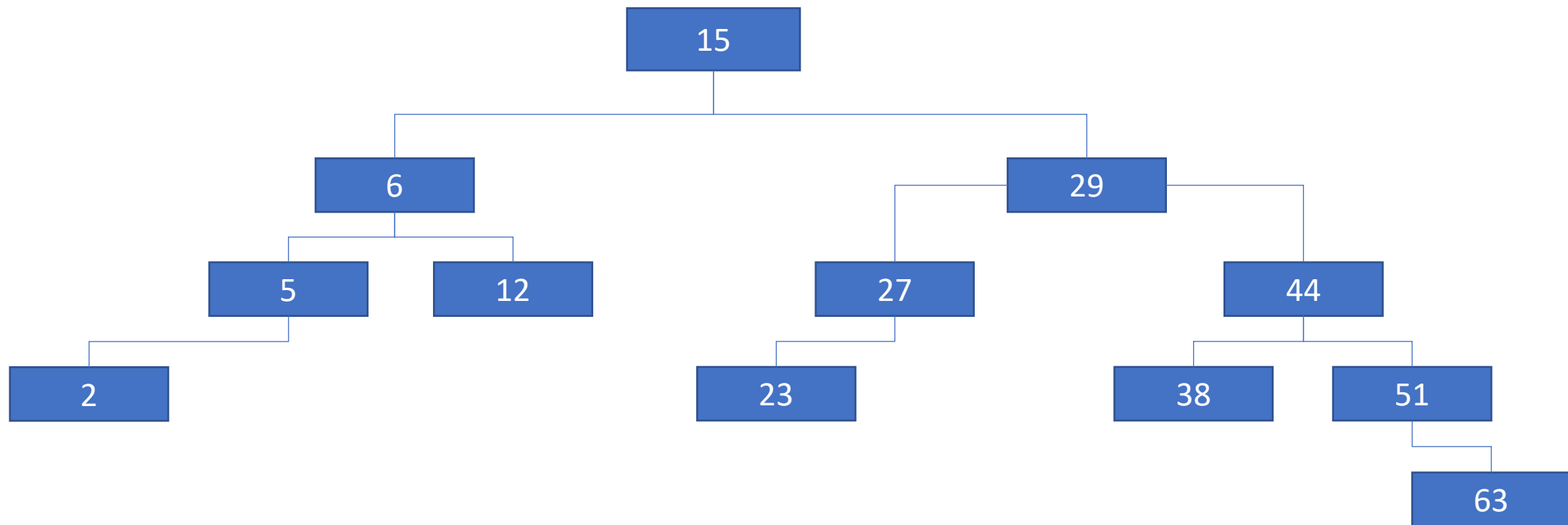




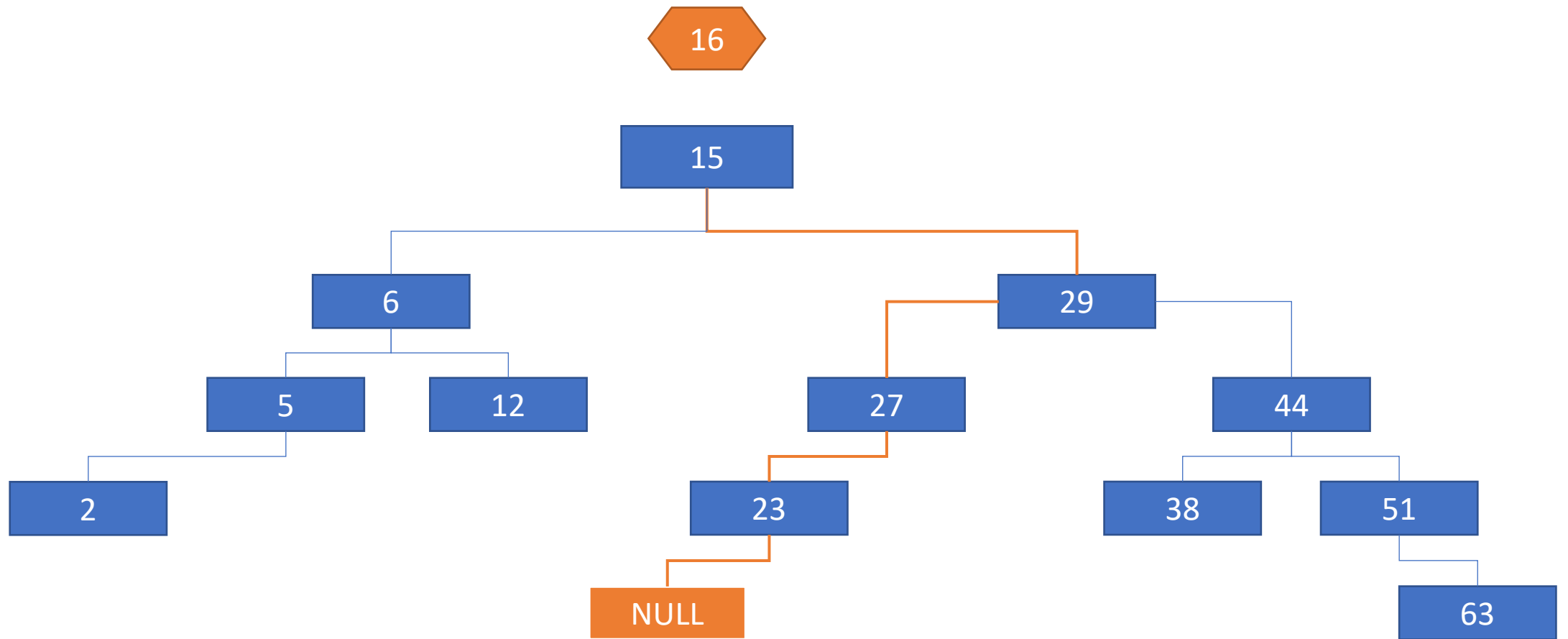


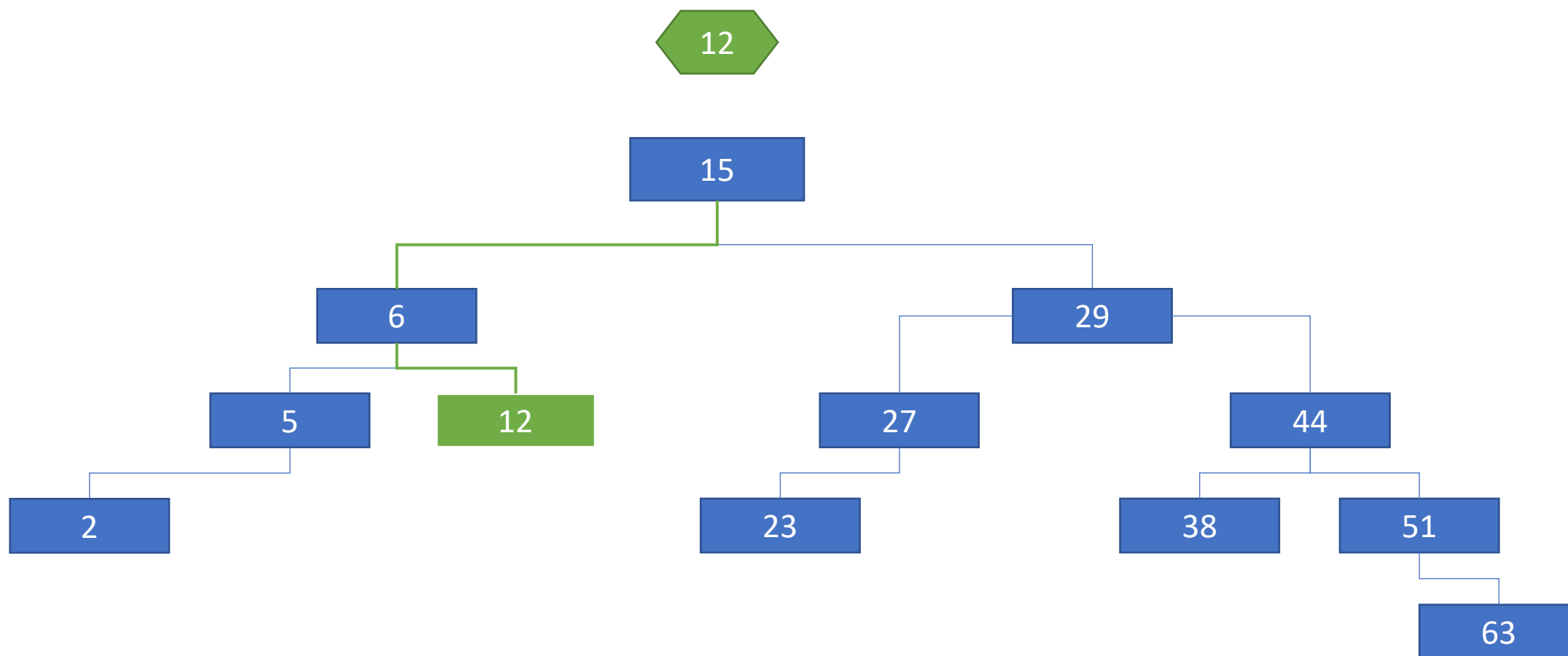




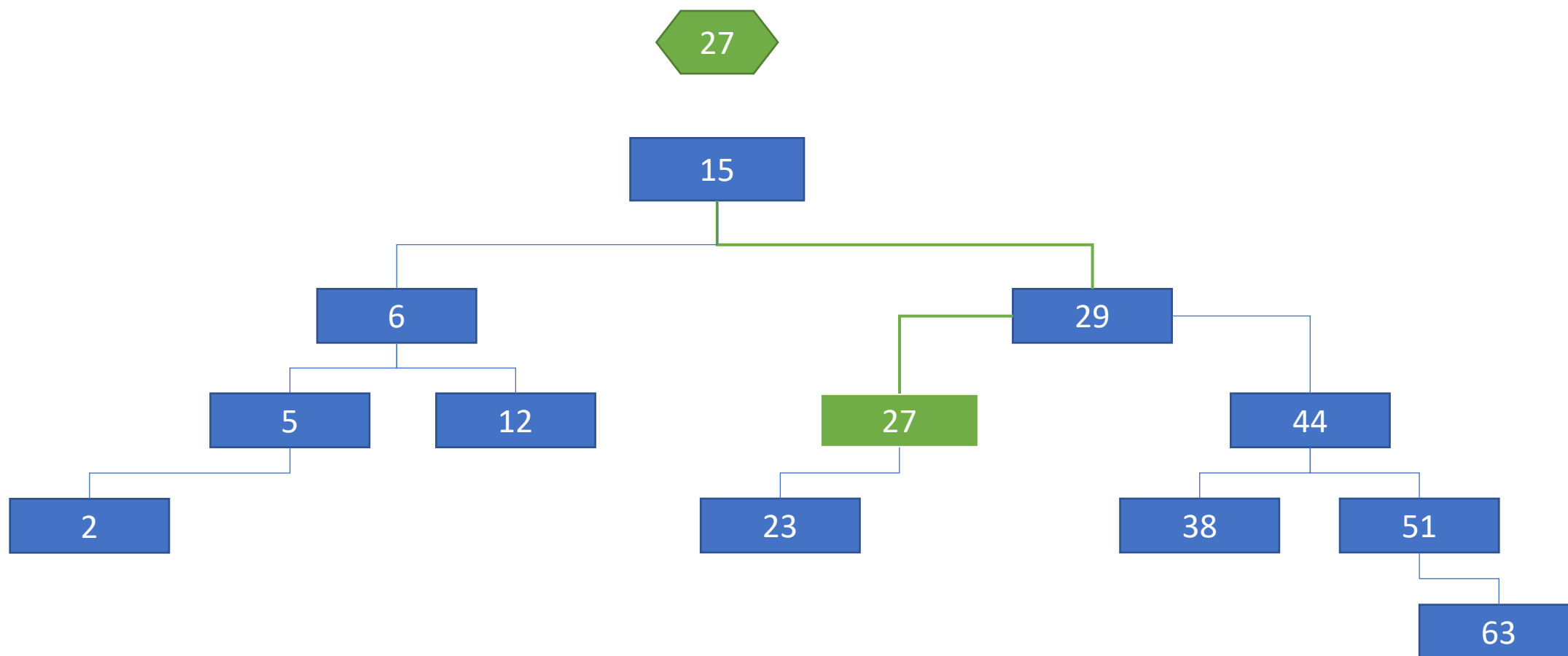


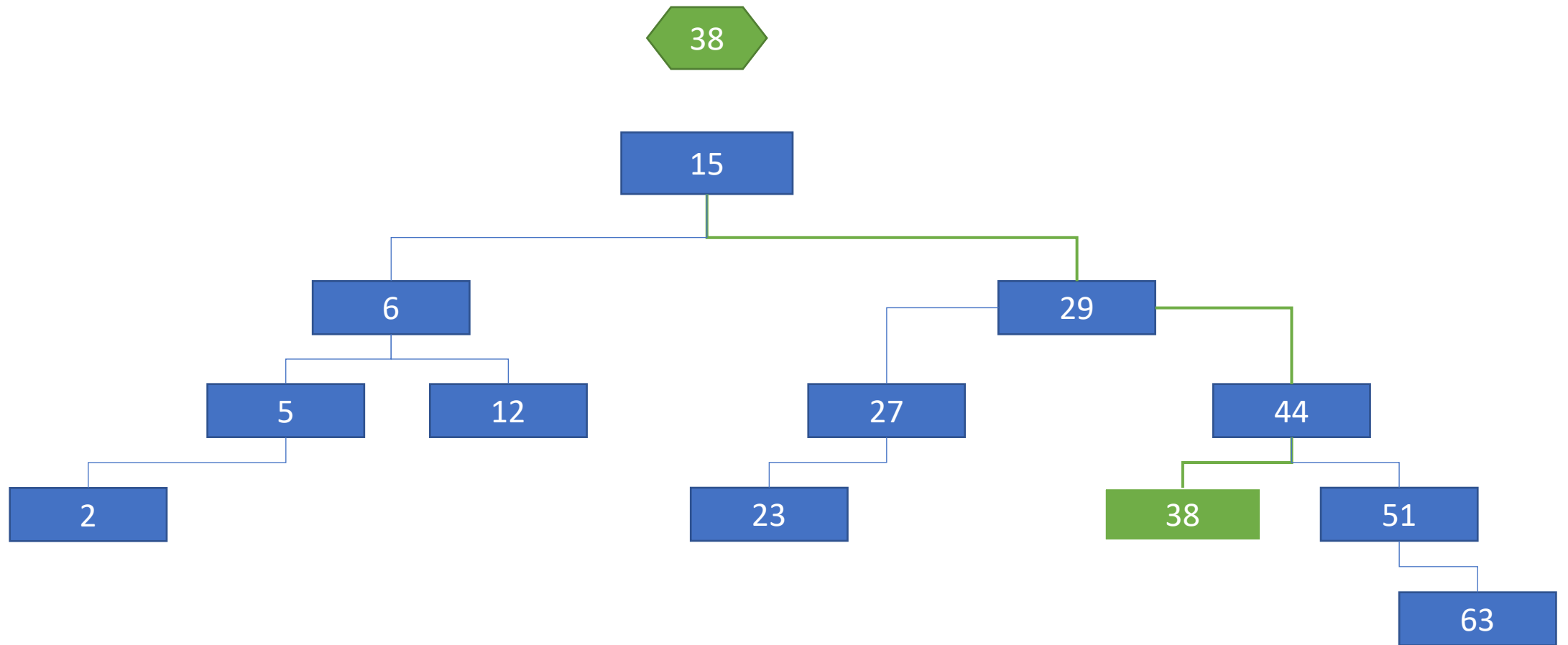
b) Faça o passo a passo para verificar se tais números encontram-se na árvore: 16, 12, 27, 38;







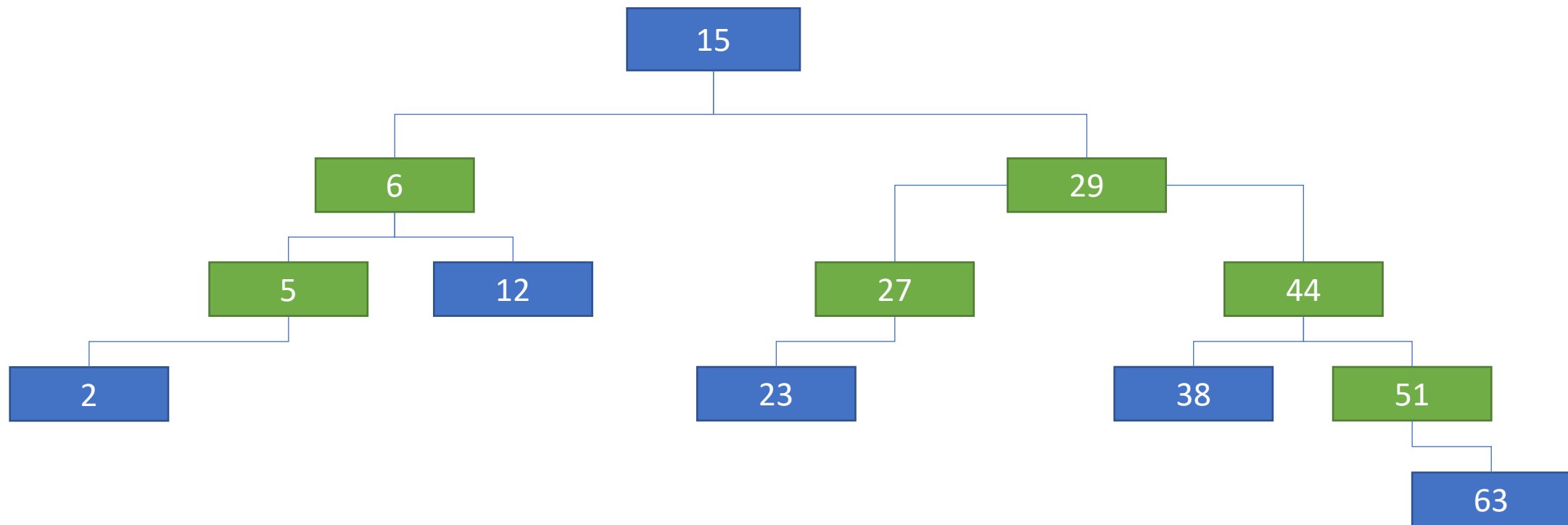




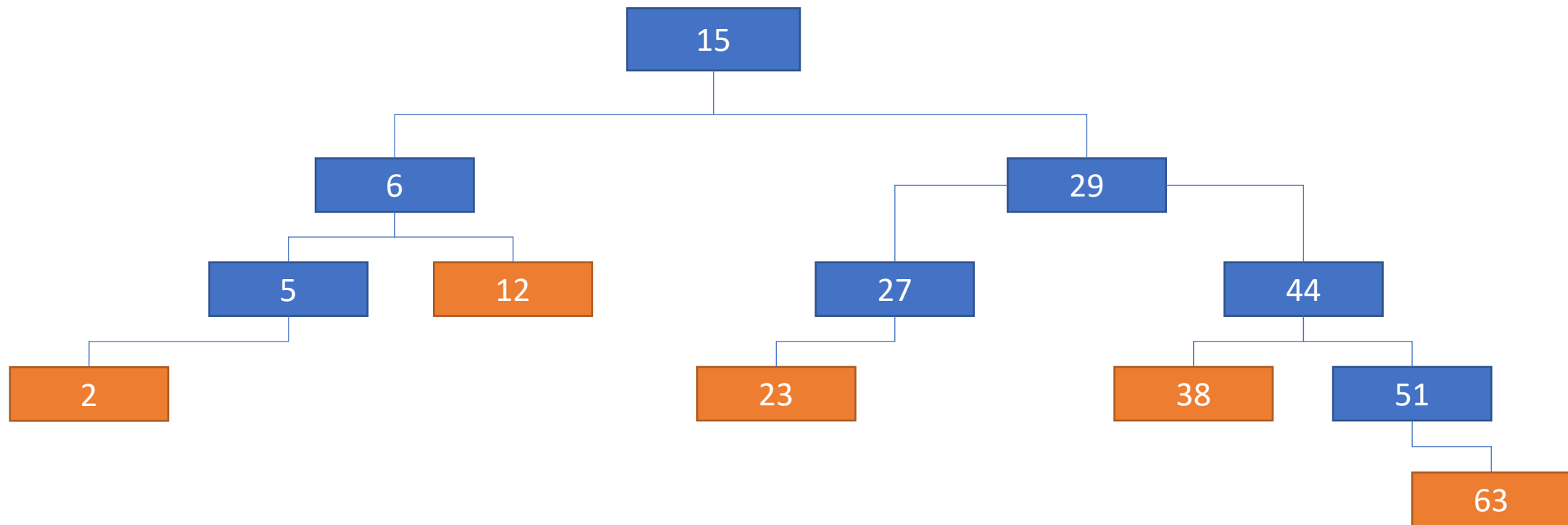
- c) Qual o grau desta árvore? 2
- d) Qual a altura da árvore? 4

e) Quantos e quais são os nós internos da árvore?

6



f) Quantos e quais são os nós folhas da árvore? 5



h) Imprima os elementos percorrendo a árvore em Pré-Ordem;

15 6 5 2 12 29 27 23 44 38 51 63

i) Imprima os elementos percorrendo a árvore em In-ordem;

2 5 6 12 15 23 27 29 38 44 51 63

j) Imprima os elementos percorrendo a árvore em Pós-ordem;

2 5 12 6 23 27 38 63 51 44 29 15