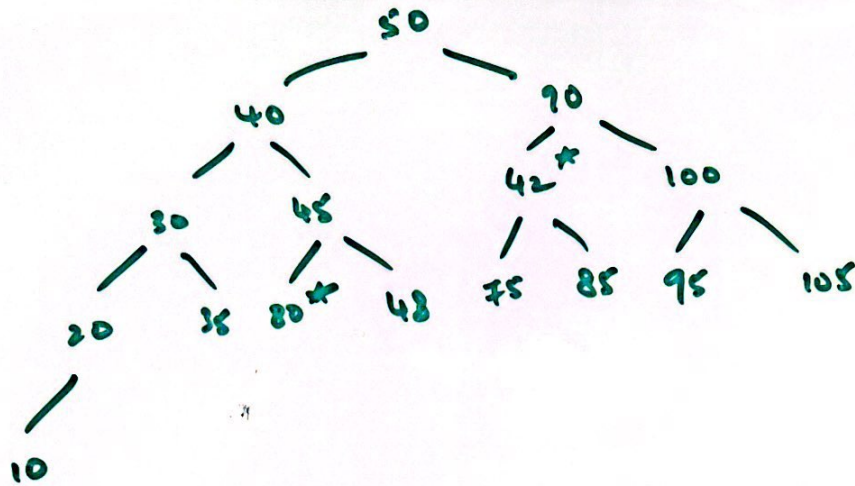
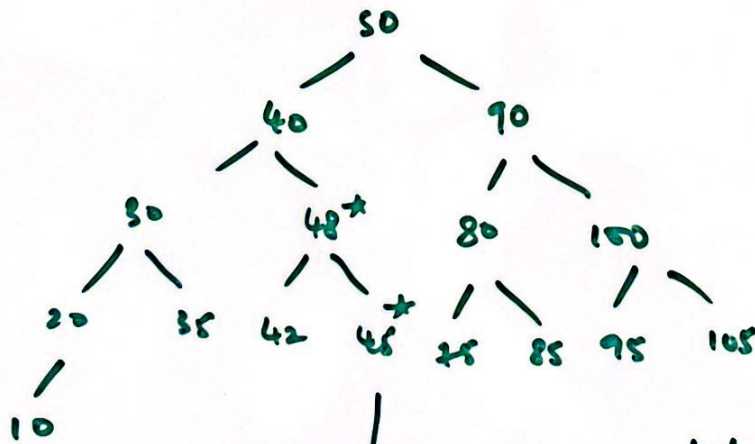


Case 1:



Case 2:



→ If we didn't store second element in each case, we would miss cases where second element is root i.e. parent of first element.