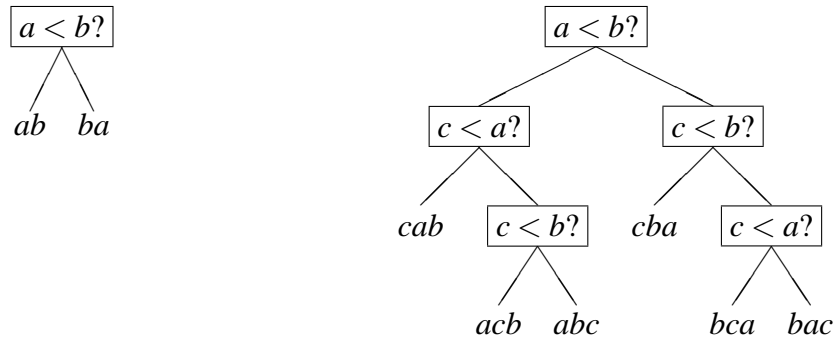
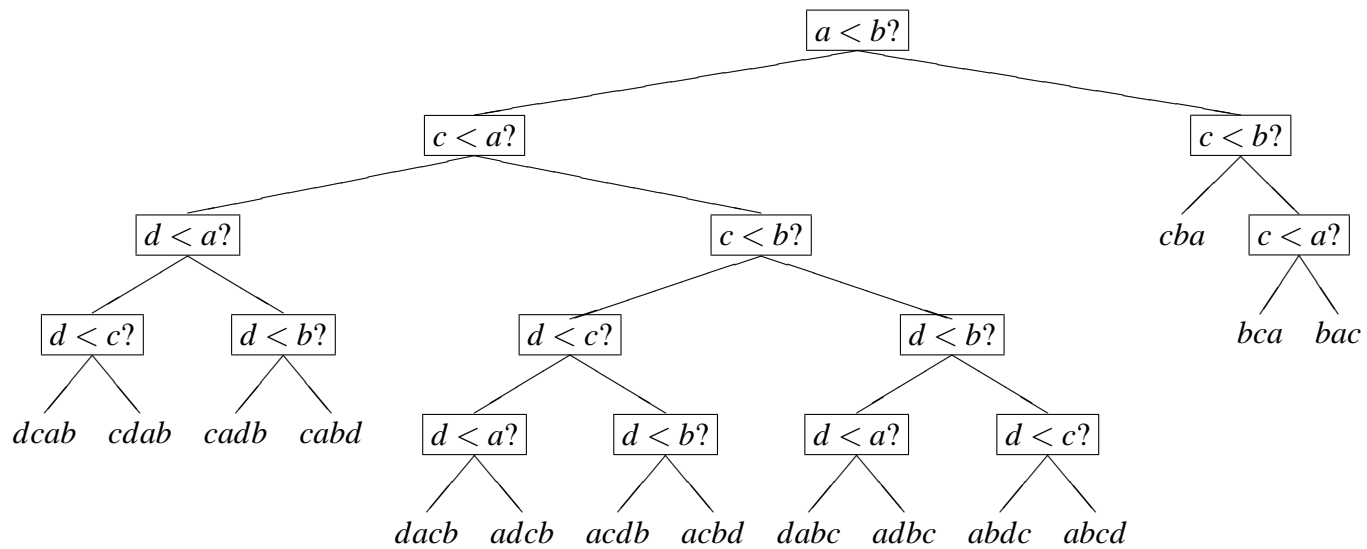


Sorting n integers a, b, c, d, \dots by binary comparisons: $n = 2, n = 3$:



Incomplete decision tree for $n = 4$: Inserting d once the order of a, b, c is known:



Complete binary decision tree for $n = 4$.

Has at least height 5 since $2^5 = 32 \geq 24 = 4! > 16 = 2^4$

