Analysis of Binary Search

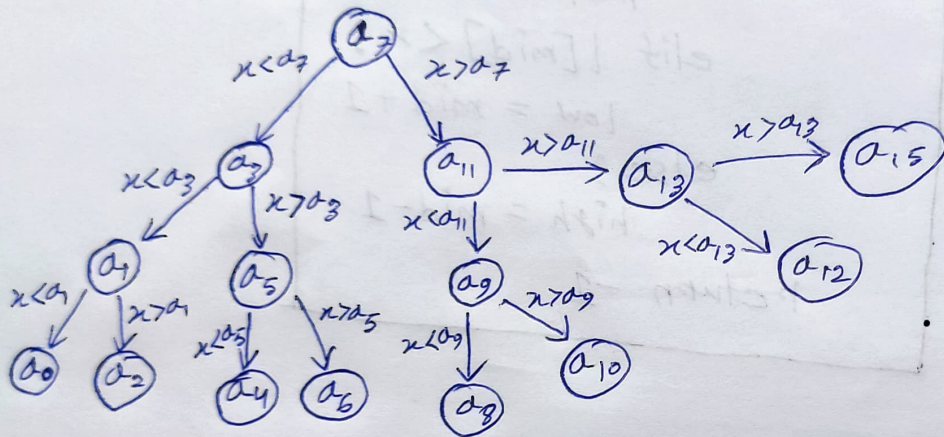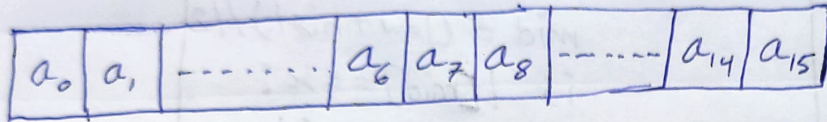| a_0	a_1	. . . . . .	a_6	a_7	a_8	-- -- -- --	a_{14}	a_{15}

For successful search:
$$O(\log n)$$

For un-successful search:
$$\theta(\log n)$$

All possible Execution Paths for Successful Searches