

than a of Mid continue the yearch in the yearch half of the away by changing Ib to Midt. This proven will be continued when searching value is not found) of Ib is len then or equal to abl when there are elments to compare)

When the condition one belomes payed out of falle controll W911 equal to a Bey Malue 001) m Bucieutull otherwise vearch is Search failuer.

(dutal) = bina

Trace of binary search

Assuming A is an Array of nelments
having following values in Assending order

f searching.

n

13 | 8 | 15 | 64 | 42 | 5 2b Truck half

Truck half

Noti a