

CSE110 Review Questions (Solutions)

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1 Searching

Question 1 Use the sorted list below and use binary search to look for Mike in the list. Show all the names that will be compared before Mike is found. Then, repeat the same process for Cathy (note: Cathy is not in the list).

Aaron Betsy Doug Elise Mike Pat Steven

Answers:

Searching for Mike: Elise, Pat, Mike → Found Mike

Searching for Cathy: Elise, Betsy, Doug → Did not find Cathy