Braeden Pope Algorithm Design Advanced Search Design

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PROMPT for file name
READ file at file name into list
PROMPT for word to search for in list
WHILE (word not found)
     IF (list_max < list_min)</pre>
           PUT failure message on the screen
           return
     index = (list_max + list_min) / 2
     check = list[index]
     IF (check != word)
           IF (check > word)
                 list_max = index - 1
           ELIF (check < word)</pre>
                 list_min = index + 1
     ELSE
           PUT word and index on the screen
           return
```