F

F

F

F

T

T

T

T

F

T

arr[mid] < searchitem

arr[mid] > searchitem

found = true

PRINT “Item Found”

mid = (up + low) / 2

Low <= up

INPUT arr, searchitem

Sort arr

Low = 0

Up = arr.length – 1

Found = false

PRINT “Not Found”

Found == false

low = mid + 1

arr[mid] == searchitem

up = mid - 1