

Binary Search Algorithm

low = 1

high = n

while (low ≤ high)

mid = $\left\lfloor \frac{\text{low} + \text{high}}{2} \right\rfloor$

if (A[mid] = key)

print "Found", mid

exit loop

else if (A[mid] > key)

high = mid - 1

else

low = mid + 1

end while

if (low > high)

print "Not Found"

end if