

## Linear Search

We went over the Linear Search algorithm in class; this handout is so you can see the function typeset in the CLRS pseudocode style. (You'll also get some practice with this typesetting in Recitation 1.) In this version, the function takes in an array  $A$ , its length  $n$ , and a  $key$ , and returns the position in the array where the key is found, or NIL if it's not there.

LINEARSEARCH( $A, n, key$ )

```
1  for  $i = 1$  to  $n$ 
2      if  $A[i] == key$ 
3          return  $i$ 
4  return NIL
```