**function** Search(*v, i, num)* v = vector, i = index,

**if** *i*  **LENGTH**[*v*] **then** num = number we are

**return** FALSE searching for

**else if** *num* = *v*[*i*] **then**

**return** *i*

**else**

**return** Search(*v, i + 1, num*) add 1 to index value and

**end if** call function again

**end recursive function**