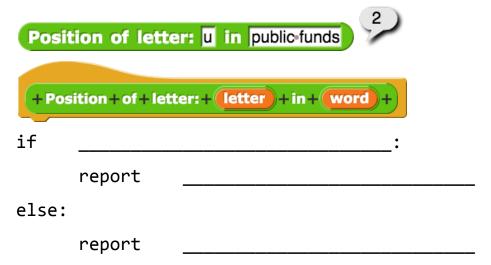
## **Recursion II**

## **Recursive Warm-Up**

(a) Write a block that reports the index of the first occurrence of a letter in a word.



## **More Practice**

(b) Write a block that reports the max item in a given list, like this:

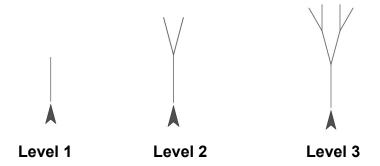
You can use the following block in your solution:

```
t maximum + item + of + lst ! +

if ______:
    report

else:
    report
```

## **Tree Recursion**



Level	Segment Count
1	1
2	3
3	
4	
5	

(c) Write a block that reports how many line segments a tree of a given level has.

What's the running time of Draw Tree? O(\_\_\_\_)