

# Handin week 6

## Exercise 1

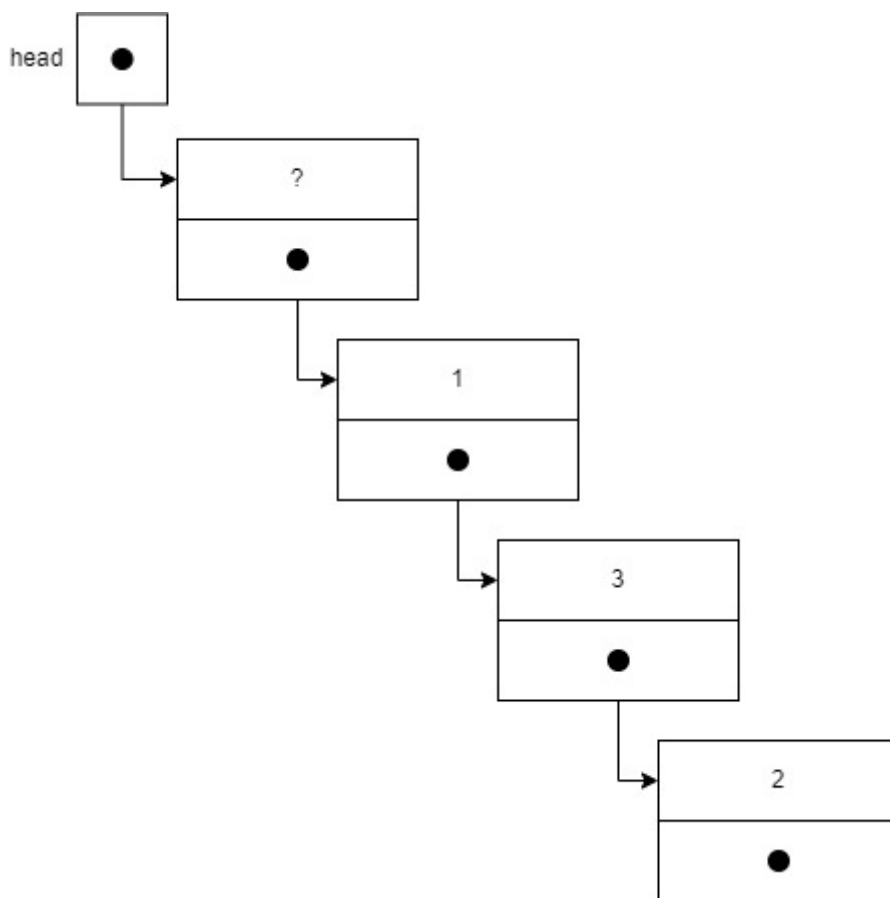
the answers are the following:

$x=7$ ,  $y=18$ ,  $z=2$

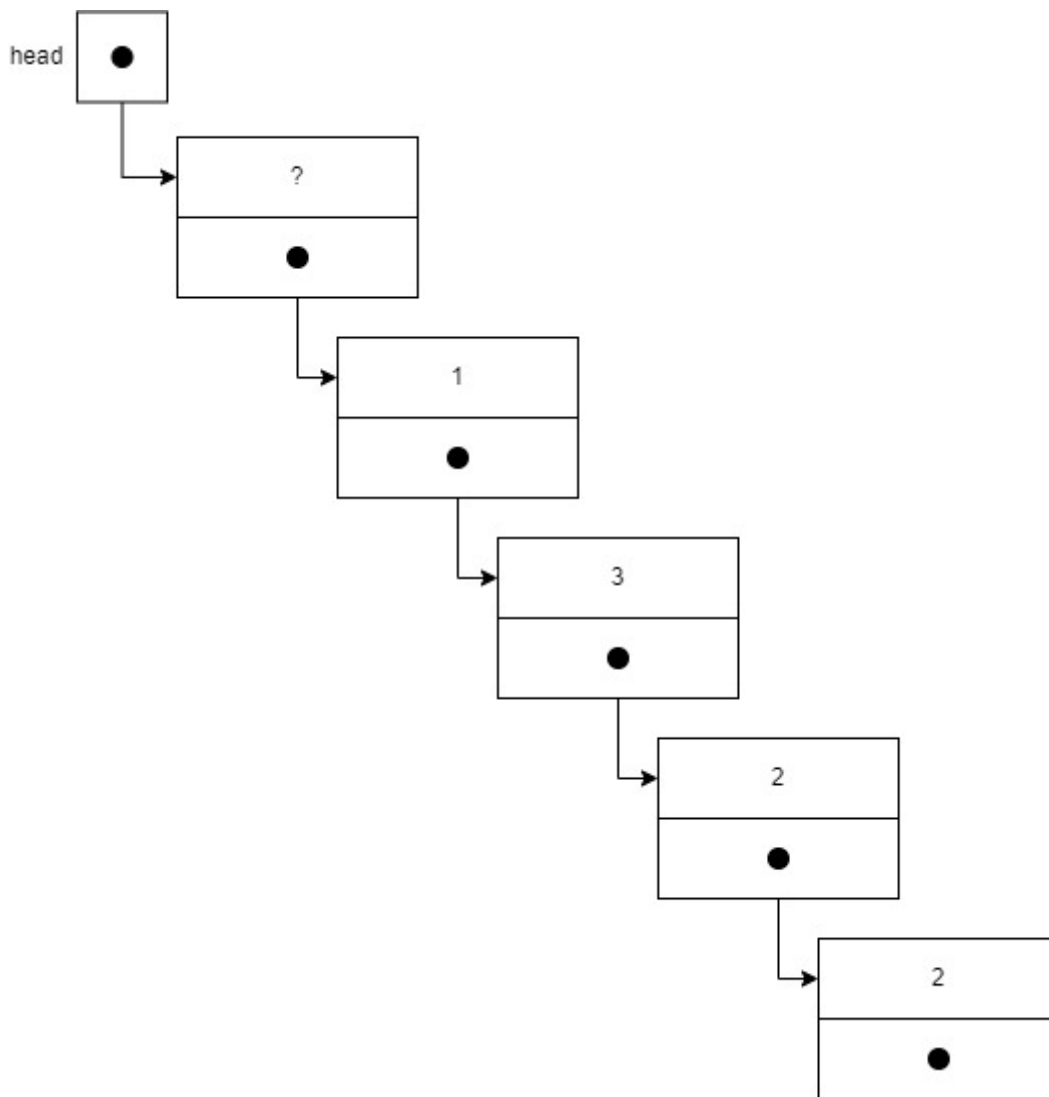
## Exercise 3

a)

The first list looks like this:



the second list looks like this:



c)

The code will get stuck in an infinite loop, printing the first element in the list. So the post condition is not fulfilled.

d)

```
void printout(node *l)
{
    /*pre: head points to the first, empty element. The last element's next
    is NULL
    post: the values of the list are printed out*/
    node *p = l->next;
    while (p != NULL)
    {
        printf("%d, ", p->data); //prints the data at the current element
        p = p->next; //moves through the list
    }
    printf("\n");
}
```

# challenge

[code](#)

not many comments but here's the code