Problem 1:

Suppose we compile and run the following program:

```c
#include <setjmp.h>
#include <stdlib.h>
#include <stdio.h>

jmp_buf stuff;
jmp_buf more_stuff;

int bar()
{
    if(setjmp(more_stuff) == 0)
        return 3;
    else
        return 6;
}

int foo()
{
    char c = getc(stdin);
    if(c == 'x')
        longjmp(stuff, 42);
    else if(c == 'y')
        longjmp(more_stuff,17);
    else
        return bar();
    return -1;
}

int main()
{
    int n;
    n = setjmp(stuff);

    while((n += foo()) < 0)
        sleep(1);

    printf("%d\n",n);
}
```

For each of the following input string, write what the output is. If the results are undefined, write a question mark.

1. abc

2. xab

3. xxa

4. yab

5. xyz