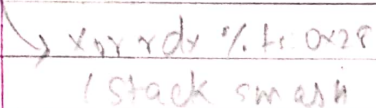


Stack overflow

```
#include <stdio.h>
int main() {
    char str[5];
    int i = 0;
    for (i = 0; i <= 15; i++) {
        str[i] = 'a';
    }
    return 0
}
```



rdx content is changed due to overwriting of a'.

Scanned with CamScanner

Q2. Stack diagram of recursive program

Program # include <stdio.h>

```
int fact (int n) {
```

```
    if (n <= 1) return 1;
```

```
    else return n * fact(n-1);
```

```
}
```

```
int main() {
```

```
    int a = fact(3);
```

```
    return 0;
```

```
}
```

