1) (10 pts) DSN (Recursive Coding)

The code below returns the number of zeros at the end of n!

```
int zeros(int n) {
    int res = 0;
    while (n != 0) {
        res += n/5;
        n /= 5;
    }
    return res;
}
```

Rewrite this method ***recursively***:

```
int zeros(int n) {




}
```