

# **EXERCISES** — Bit Rotation

version #



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## 1 Bit Rotation

### Files to submit:

bit\_rotation/rol.c

Main function: None

Authorized headers: You are only allowed to use the functions defined in the following headers:

- assert.h
- err.h
- errno.h
- · stddef.h

### 1.1 Goal

Rotate the bits of value by roll rolls to the left. Each roll will shift the bits by one bit in the left direction. The leftmost bits are placed on the right.

```
[1]1101010 -> 1101010[1]
```

### The prototype:

```
unsigned char rol(unsigned char value, unsigned char roll);
```

It is my job to make sure you do yours.