

## 3) (5 pts) ALG (Bitwise Operators)

What is the output of the following program?

```
#include <stdio.h>

int main() {
    int n = 182, i = 0;

    while (n > 0) {
        if ((n & (1<<i)) > 0) {
            printf("%d\n", (1<<i));
            n ^= (1<<i);
        }
        i++;
    }
    return 0;
}
```

2  
4  
16  
32  
128

**Grading: 1 pt per correct number listed. 1 pt off per extra number listed, cap at 0.**