

Data Structures HW2

Toygar Tanyel
18011094

April 1, 2022

There are 3 wrong examples in the description: For 259, -1, -128 values the results will be shown as follows:

259, (0000000100000011): 0'lar fazladir. Ek 10 adet 1 gereklidir.

-1, (11111111): 1'ler fazladir. Ek 8 adet 0 gereklidir.

-128, (10000000): 0'lar fazladir. Ek 6 adet 1 gereklidir.

Examples:

```
Enter an integer: 15
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.

STACK:
|0|
|0|
|0|
|0|
The popped value: 0
The popped value: 0
The popped value: 0
The popped value: 0

Binary Representation: 00001111
*** 0 ve 1'ler eşit sayıdadır. ***
```

Figure 1 Example 1: "15"

```
Enter an integer: 1
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.
Value: 0 is pushed to the stack.

STACK:
|0|
|0|
|0|
|0|
|0|
|0|
|0|
|0|
The popped value: 0

Binary Representation: 00000001
*** 0'lar fazladir. Ek 6 adet 1 gereklidir. ***
```

Figure 2 Example 2: "1"

