181. Flip Bits

* [Description](http://www.lintcode.com/en/problem/flip-bits/" \l "description)
* [Notes](http://www.lintcode.com/en/problem/flip-bits/#note)
* [Testcase](http://www.lintcode.com/en/problem/flip-bits/#testcase)
* [Judge](http://www.lintcode.com/en/problem/flip-bits/#judge)

Determine the number of bits required to flip if you want to convert integer *n* to integer *m*.

 Notice

Both *n* and *m* are 32-bit integers.

Have you met this question in a real interview?

Yes

**Example**

Given *n* = 31(11111), *m* = 14(01110), return 2.

<http://www.lintcode.com/en/problem/flip-bits/>

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*\*/*

**package** javaapplication6;

**import** java.util.Collections;

***/\*\****

***\****

***\* @author Usuario***

***\*/***

**public** **class** JavaApplication6 {

***/\*\****

***\* @param args the command line arguments***

***\*/***

**public** **static** **int** bitSwapRequired(**int** a, **int** b) {

*// write your code here*

       String bina = Integer.toBinaryString(a);

       String binb = Integer.toBinaryString(b);

**if**(bina.length() < binb.length()) {

*// bina += new String('0', binb.length()-binb.length());*

          bina = String.join("", Collections.nCopies(binb.length()-bina.length(), "0"))+bina;

       } **else** **if**(binb.length() < bina.length()) {

           binb = String.join("", Collections.nCopies(bina.length()-binb.length(), "0"))+binb;

       }

*//System.out.println(bina);*

*//System.out.println(binb);*

**int** flips =0;

**for**(**int** i =0; i < bina.length(); i++) {

**if**(bina.charAt(i) != binb.charAt(i)) {

               flips++;

           }

       }

**return** flips;

    }

**public** **static** **void** main(String[] args) {

*// TODO code application logic here*

**int** a = 31;

**int** b = 14;

       System.out.println(  bitSwapRequired( a,  b));

    }

}