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import java.io.File;
import java.io.FileNotFoundException;
import java.util.Scanner;

/**
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 *
 */
public class NumberTransform {

    public static void main(String[] args) throws FileNotFoundException {
        String N;
        int P;
        int D;

        File text = new File("C:\\Workspace\\ACSLProject\\src\\test-data.txt");
        Scanner scan = new Scanner(text);

        while (scan.hasNextLine()) {
            String output = "";
            String line = scan.nextLine();
            System.out.println(" Input :"+line);
            String[] arrOfStr = line.split(" ");
            N = arrOfStr[0];
            P = Integer.valueOf(arrOfStr[1]);
            D = Integer.valueOf(arrOfStr[2]);

            char[] chars = N.toCharArray();

            for (int i = 0; i < chars.length; i++) {
                if (i == chars.length - P) {
                    int pDigit = Character.getNumericValue(chars[i]);
                    if (0 <= pDigit && pDigit <= 4) {
                        pDigit = pDigit + D;
                        pDigit = pDigit % 10;
                        output = output + String.valueOf(pDigit);
                    }
                    if (5 <= pDigit && pDigit <= 10) {
                        pDigit = Math.abs(pDigit - D);
                        output = output +
String.valueOf(pDigit).substring(0,1);
                    }
                } else if (i > chars.length - P) {
                    output = output + "0";
                } else {
                    output = output + String.valueOf(chars[i]);
                }
            }

            System.out.println(" Output : "+output);
        }
    }
}

```

}