CS222: Assignment 6 - Modular arithmetic and Extended Euclid's algorithm

Sample Output:

```
Input the two numbers : 21 14
The GCD of 21 and 14 is 7.
x = 1, y = -1
7 = 21*1 + 14*-1
```

Time Complexity:

```
The time complexity of GCD (A, B) is O(log(A*B)).
The time complexity of extended_coefficient (N, M) is O(log(max(N, M))).
```