**GCD**

隨機題

最大公因數

Time limit: 2 sec.

輸入兩正整數x與y，使用輾轉相除法計算最大公因數以及使用的除法(除法取餘數)次數，假設第一次除法為x除以y。

(本題須上傳PC2，請注意輸出格式與x,y出現順序必須完全一致)

Input format:

The first line is the number of test cases T.

The input of each test case contains one line consisting of two positive integers x and y, where 1<=y<=x<=10^9.

Output format:

For each test case, output the solution in one line as the following sample output.

Sample Input

2

11112 1

40 24

Sample Output

gcd(11112,1)=1, using 1 division.

gcd(40, 24)=8, using 3 division.