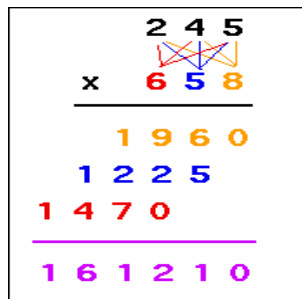# Problem: I
# Binary Multiplication

**All of us know simple multiplication rule. Can we make a program to multiply two binary numbers? Well we can try.**



### Input specification:

Each case will define two binary strings (x & y). You can assume that length of each string will not exceed 30. The program will terminate with a 0 0.

### Out put specification:

Out put must be formatted like the following examples. You have to show the step by step procedure for the multiplication. Each result will be separated by an empty line.

| Sample Input: | Output for Sample Input: |
|---|---|
| 11 11<br>111 10<br>10 111<br>0 0 | ```
 11
 11
 --
 11
11
----
1001

 111
  10
 ---
 000
111
----
1110

  10
 111
 ---
  10
 10
10
----
1110
``` |

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**Problem setter: M. Mizanur Rahman**