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| **A** | **Tell me the differences** |
| An electronic calculator is typically a portable [electronic device](https://en.wikipedia.org/wiki/Electronic_device) used to perform [calculations](https://en.wikipedia.org/wiki/Calculation), ranging from basic [arithmetic](https://en.wikipedia.org/wiki/Arithmetic) to complex [mathematics](https://en.wikipedia.org/wiki/Mathematics). Now days, human are depended on the digital devices, calculator is one of them.  Recently, Shakib, a student of “University of Science and Technology Chittagong, Bangladesh” invent a calculator which performs subtraction between two given pattern. Fahim wants to know about the procedure of the calculation. They start a conversation with each other. After a long discussion, Fahim understands that how the calculator finds the differences between two patterns. Suppose, “1001” and “0001” is two patterns. What is the difference between these two patterns? Yes, the answer is 1.  The language of the digital devices is machine language, that’s why it is necessary to represent a pattern into binary number. ‘A’ is equivalent to 1000001; ‘E’ is equivalent to 1000100 and so on. Suppose, “Fahim” is a name. The pattern of the name will be a binary representation of decimal digit. Firstly, to find the pattern of a name, the calculator has to do binary addition of each character. Secondly, If the calculated sum represents a decimal digit, the calculator is succeeded to find the pattern. If the calculated sum is not a decimal digit, the device performs addition operation again until it finds the result in decimal digit. Finally, The calculator calculates how many variations exist between the two patterns and shows the result. The character set of this calculator includes (A-Z) & (a-z); it is not case sensitive that means ‘a’ is equivalent to ‘A’, ‘b’ is equivalent to ‘B’ and so on. It always ignores duplicate characters into a name. | |

**Input:**

The input will consist of a series of pairs of strings s1 and s2, per line. All strings length will be less than 100 and greater than 0. You should process all pairs of strings and for each pair to determine the variations between two pattern generated by s1 and s2.

**Output:**

Show the result that how many differences exists between two patterns generated by s1 and s2. See the output format.

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| **Sample input:** | **Sample Output:** |
| FAHIM Fahim  Fahim Fahmida  Elephant tiger | FAHIM - Fahim = 0  Fahmida - Fahim = 1  Elephant – tiger = 2 |