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|  | **BF1000. Change to upper case** |  |
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|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**   Given a line contains multiple words, change the first character in each word to upper case. A word may contains letters, numbers or other characters.  **Input**  A line containing multiple words, seperated by one blank. A word may contains letters, numbers or other characters. There is no blank after the last word. The line contains less than 100 characters.  **Output**  The same line with the first character of each word being upper case.  **Sample Input**  http://soj.sysu.edu.cn/images/clipboard.jpgCopy sample input to clipboard  Please change me to upper-case.  **Sample Output**  Please Change Me To Upper-case. |  |

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|  | **BF1001. String Reduction** |  |
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|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**  Lisa loves playing string reduction games:  Given three strings s1, s2 and s3, one needs to replace all substring s2 in the string s1 with s3 repeatedly, until no s3 in found in the resulting string.  **Input**  The first line is an integer t, indicating the number of test cases. Then follow t lines. The i-th line contains three strings s1, s2 and s3. Each string consisting of only lowercase letters, with no spaces between letters. Each string will contain no more than 300 letters.  **Output**  For each test case, print the final string in a single line.  **Sample Input**  http://soj.sysu.edu.cn/images/clipboard.jpgCopy sample input to clipboard  3  abc abc a  abcbcxabc abc a  abc ab a  **Sample Output**  a  axa  ac |  |
|  | **BF1002. String Reversion** |  |
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|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**  Given a valid identifier in C++ programs, please write a program to reverse it by respectively reversing each part separated by ‘\_’.  **Input**  The first line is an integer t, indicating the number of test cases. Then there are t lines and each line contains a string. A string will contain no more than 100 characters and there is one or more ‘\_’.  **Output**  For each test case, print out the string with each part reversed.  **Sample Input**  http://soj.sysu.edu.cn/images/clipboard.jpgCopy sample input to clipboard  3  nt\_45  \_me\_  abc\_123\_456  **Sample Output**  tn\_54  \_em\_  cba\_321\_654 |  |

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|  | **BF1003. Cycling the words** |  |
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|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**  Given a line contains N words, print the N lines. The first line is the same as the input. After printing each line, the first word of this line in put to the end of the next line.  **Input**  A line contains N words seperated by one blank. N is not given in the problem: you need to count the number of words in the input line to find it out. The line contains less than 100 characters.  **Output**  N lines. The first line equals the input. For the rest N-1 lines, the first word in a line in put to the end in the next line. There is one space between words.  **Sample Input**  http://soj.sysu.edu.cn/images/clipboard.jpgCopy sample input to clipboard  Please think about it carefully  **Sample Output**  Please think about it carefully  think about it carefully Please  about it carefully Please think  it carefully Please think about  carefully Please think about it |  |
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|  | **BF1004. Break words** |  |
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|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**  Given a dictionary of words, and then a sentence, break the sentence in to words separated by blank spaces. If more than one words in the dictionary matches the input, use the longest word. As in the example below, if both "student" and "students" match, we will use "students", the longer word. If no word in the dictionary matches, output each single character as a word. As in the example below, "sysu" is output as "s y s u".  **Input**  An integer N representing the number of words in the dictionary. N lines, each of which is a words in the dictionary. A final line containing the sentence to be broken into words. The dictionary contains less than 1000 words. The words in the dictionary contains less than 10000 characters in total. The sentence contains less than 1000 characters.  **Output**   A line with its words separated by one blank space. There is no blank after the last word.  **Sample Input**  http://soj.sysu.edu.cn/images/clipboard.jpgCopy sample input to clipboard  6  the  they  student  students  are  area  theyaresysustudents  **Sample Output**  they are s y s u students |  |

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|  | **BF1005. 9.9 Sorting characters in a string** |  |
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|  | **Time Limit: 1sec    Memory Limit:256MB**  **Description**  Write a function that returns a sorted string using the following header:  string sort(string &s)  For example, the following code output: abc  string s1("bca"), s2;  s2 = sort(s1);  cout << s2 << endl;  **Hint**  只提交string sort(string &s)函数实现，不要提交main()函数。 |  |