#include <iostream>

#include <string>

using namespace std;

int main()

{

unsigned int i,space,words,j;

string s;

cout << "Input 10 lines" << endl;

for (j = 0; j < 10; j++)

{

cout << "Input s:" << endl;

getline(cin, s);

space = 0;

for (i = 0; isspace(s[i]); i++)

space++;

s.erase(0, i);

reverse(s.begin(), s.end());

for (i = 0; isspace(s[i]); i++)

space++;

s.erase(0, i);

reverse(s.begin(), s.end());

words = 0;

i = 0;

for (; s.find(" ") != string::npos; s.erase(s.find(" "), 1), space += 2)

;

while (s[i] != '\0')

{

while ((!isspace(s[i])) && (s[i] != '\0'))

i++;

words++;

while ((isspace(s[i])) && (s[i] != '\0'))

i++;

}

if (words > 1)

space /= (words - 1);

i = 0;

while (s[i] != '\0')

{

while ((!isspace(s[i])) && (s[i] != '\0'))

i++;

s.insert(i, space, ' ');

while ((isspace(s[i])) && (s[i] != '\0'))

i++;

}

cout << endl;

cout << "Your new line: " << endl;

cout << s << endl;

}

return 0;

}