**Triangle growing downwards**

[pattern](http://www.practice.geeksforgeeks.org/tag-page.php?tag=pattern&isCmp=0)[string](http://www.practice.geeksforgeeks.org/tag-page.php?tag=string&isCmp=0)

Given a string of a constant length, print a triangle out of it. The triangle should start with the first character of the string and keeps growing downwards by adding one character from the string.  
The spaces on the left side of the triangle should be replaced with dot character.   
  
**Input:**  
First line of the input contains an integer T denoting the number of test cases. Then T test cases follow.  Each test case consists of a single line contaning a string of length N.  
  
**Output:**Corresponding to each test case, a pattern of triangle is printed in N lines.  
  
**Constraints:**  
1 <=T<= 30  
N= 5  
  
**Example:**  
**Input:**  
2  
geeks  
thisi  
  
**Output:**  
....g  
...ge  
..gee  
.geek  
geeks  
....t  
...th  
..thi  
.this  
thisi

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=629>

#include <iostream>

#include <stdio.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

std::string s;

cin >> s;

std::string p = ".....";

for(int i = 1; i<=5; i++) {

cout << p.substr(0,5-i);

cout << s.substr(0,i) << endl;

}

}

return 0;

}