Solve the equation:

$$p * e^{-x} + q * \sin(x) + r * \cos(x) + s * \tan(x) + t * x^2 + u = 0$$

where $0 \leq x \leq 1$.

Input

Input consists of multiple test cases and terminated by an `EOF`. Each test case consists of 6 integers in a single line: p, q, r, s, t and u (where $0 \leq p, r \leq 20$ and $-20 \leq q, s, t \leq 0$). There will be maximum 2100 lines in the input file.

Output

For each set of input, there should be a line containing the value of x, correct up to 4 decimal places, or the string '`No solution`', whichever is applicable.

Sample Input

```
0 0 0 0 -2 1
1 0 0 0 -1 2
1 -1 1 -1 -1 1
```

Sample Output

```
0.7071
No solution
0.7554
```