471 Magic Numbers

Write a program that finds and displays all pairs of integers s_1 and s_2 such that:

1. neither s_1 nor s_2 have any digits repeated; and
2. $s_1/s_2 = N$, where N is a given integer;

Input and Output

The input consists of one line of input containing N.

The output consists of a sequence of zero or more lines each containing s_1 `/` s_2 `=` N, where s_1, s_2 and N are the integers described above.

Sample Input

```
1234567890
```

Sample Output

```
1234567890 / 1 = 1234567890
2469135780 / 2 = 1234567890
4938271560 / 4 = 1234567890
6172839450 / 5 = 1234567890
8641975230 / 7 = 1234567890
9876543120 / 8 = 1234567890
```