American Computer Science League

PROBLEM: Construct a Numeral Octal Triangle according to the following rules. You will be given three positive integers: *s*, a starting number; *d,* a delta (the amount by which to increase each number in the triangle); and *r* the number of rows. The numbers *s* and *d* will be in octal.

1. The first row contains the number *s*.
2. Each of the next rows has one more number than the previous row.
3. Each number in the triangle is *d* more than the previous number in the triangle.

Here are two examples of Numeral Octal Triangles:

start=2, delta=3, rows=5	start=221, delta=2, rows=4
2 5 10 13 16 21 24 27 32 35 40 43 46 51 54	221 223 225 227 231 233 235 237 241 243

INPUT: There are 5 lines of data. Each line has 3 positive integers, *s, d*, and *r*. The numbers are separated by spaces and each is less than $1{,}000{,}000_8$. Recall that *s* and *d* are in octal.

OUTPUT: For each line of date, print the sum of all of the digits on the *r*th row of the Numeral Octal Triangle as a base 10 number. For example, the output for the above table on the left is:
$4 + 0 + 4 + 3 + 4 + 6 + 5 + 1 + 5 + 4 = 36$.

SAMPLE INPUT:

```
2 3 5
221 2 4
1 4 20
10 10 10
3245 5 11
```

SAMPLE OUTPUT:

```
1. 36
2. 38
3. 230
4. 99
5. 178
```

TEST DATA

TEST INPUT:

```
4567 7 65
3141 5 26
765 43 21
704 1776 20
77 7 100
```

TEST OUTPUT:

1. 1038
2. 429
3. 329
4. 374
5. 1547