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The Witch's Riddle

locked

Problem

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Explanation

A rat has lost its precious tail
He must get it back without fail
He's scoured and searched through
all the lands til found a lake he dived into
-
As found did it a castle globed within
A place so majestic he's never seen
And up atop its humongous spire
sat within his tail on fire
-
He tried to swim and take it back
But then appeared a witch in black
"No no no, it's in my domain"
Said the witch on her crane
-
"You can't take what's already mine"
"I've stolen it, you can't go whine"
The rat goes desperate and tries to take
But that was when it all starts to ache
-
"If you're that desperate for that thing"
"Maybe you can be my plaything"
"Here I have mere seven cats"
"Each with their own numbered hats"
-
"They'll be numbered by yours truly"
"I won't treat you too much cruelly"
"Then I'll give the number for them"
"from the back to the front they'll come"

-

"And then I'll tell them to do so"

"For however long I wish them so"

"Three indexes I will give you"

"Three right numbers you must accrue"

-

"If accrued a mistaken number"

"You will awake to a huge slumber"

"Between a cat's most sharpened teeth"

"A huge regret I will bequeath"

Input Format

The witch will give you a list of seven numbers. (a being the numbers)

The witch will then give another number. That number is the amount of cats that will jump from the back to the front. (b)

The third number the witch will give is how many times the cats will jump from the back to the front.(c)

The last number given by the witch will be the three indexes. (Remember, indexes start from zero) (d, e, f)

Constraints

$$0 \leq a \leq 10^8$$

$$1 \leq b \leq 7$$

$$1 \leq c \leq 10^{11}$$

$$0 \leq d, e, f \leq 6$$

Output Format

You must provide the three numbers corresponding to the three indexes given by the witch after all the cat jumping.

Sample Input 0

```
1 2 3 4 5 6 7
3
3
0 3 5
```

Sample Output 0

```
6 2 4
```

Explanation 0

The input given is:

```
1 2 3 4 5 6 7
```

```
3
```

```
3
```

```
0 3 5
```

-

So, the list of number given is:

```
1 2 3 4 5 6 7
```

The witch wants 3 cats to come to the front each time.

The witch wants it to happen 3 times.

The witch wants the number for the index 0, 3, and 5

-

Let's follow the process:

First cat jump:

1 2 3 4 5 6 7 -> **5 6 7** 1 2 3 4

Second cat jump:

5 6 7 1 2 3 4 -> **2 3 4** 5 6 7 1

Third and final cat jump:

2 3 4 5 6 7 1 -> **6 7 1** 2 3 4 5

-

As the witch wants the numbers for index 0, 3, and 5,

then the output will be

6 2 4



Submissions: 3

Max Score: 1

Difficulty: Hard

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Current Buffer (saved locally, editable)

C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
11
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ [Test against custom input](#)

Run Code

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