

# Magic Program

Here is a magic program (in C++).

```
#include <cstdio>
int main(){
    unsigned seed=A;
    for(int i=0;i<10000;i++)
        printf("%u\n",seed=(seed*B+i)%C);
    return 0;
}
```

A,B,C are three magic numbers in range [1,65536).

Now you are given the [output](#) of the program. You should submit a program to print the output.