#include <stdio.h>

**int** main(**int** argc, **char** \*argv[])

{

**int** R,C,n;

**scanf**("%d",&R);

**scanf**("%d",&C);

**scanf**("%d",&n);

**int** a[n];

**int** i=0;

**while**(i<n)

    {

**scanf**("%d",&a[i]);

      i++;

    }

    i=0;

**while**(i<n)

    {

**int** b=a[i]-1;

**printf**("%d  ",b/C+1);

**if**((b/C+1)%2==0)

**printf**("%d\n",C-b%C);

**else**

**printf**("%d\n",b%C+1);

        i++;

    }

**return** 0;

}