/\*

PROG: bullcow

LANG: C++

ID: hayk.sa1

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#include

#define MOD 5000011

int d[100010];

int main()

{

freopen("bullcow.in", "r", stdin);

freopen("bullcow.out", "w", stdout);

int n, k, i;

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

for (i = 0; i <= n; i++)

if (i <= k)

d[i] = i+1;

else

d[i] = (d[i-1]+d[i-k-1])%MOD;

printf("%d\n", d[n]);

return 0;

}