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PROG: stock

LANG: C++

ID: hayk.sa1

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#include <stdio.h>

#include <string.h>

#define Max(a, b) ((a)>(b)?(a):(b))

int p[20][60];

int d[500010];

int main()

{

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

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

int n, m, c, l, i, j, k;

scanf("%d%d%d", &m, &n, &c);

for (j = 0; j < m; j++)

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

scanf("%d", p[i]+j);

for (i = 0; i+1 < n; i++)

{

for (j = 0; j <= c; j++)

d[j] = j;

for (j = 0; j < m; j++)

if (p[i][j] < p[i+1][j])

for (k = p[i][j]; k <= c; k++)

d[k] = Max(d[k], d[k-p[i][j]]+p[i+1][j]);

for (j = 0; j <= c; j++)

c = Max(c, d[j]);

}

printf("%d\n", c);

return 0;

}