#include <iostream>

#include <cstring>

using namespace std;

int n, b, k;

int a[300][300];

int st[2][300][300][22];

int lg[300];

void init()

{

for (int i = 2; i <= n; i++)

{

lg[i] = lg[i / 2] + 1;

}

}

int query\_max(int h, int l, int r)

{

int c = lg[b];

return max(st[0][h][l][c], st[0][h][r - (1 << c) + 1][c]);

}

int query\_min(int h, int l, int r)

{

int c = lg[b];

return min(st[1][h][l][c], st[1][h][r - (1 << c) + 1][c]);

}

int main()

{

cin >> n >> b >> k;

init();

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

{

for (int j = 1; j <= n; j++)

{

cin >> a[i][j];

st[0][i][j][0] = a[i][j];

st[1][i][j][0] = a[i][j];

}

}

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

{

for (int k = 1; k <= lg[n]; k++)

{

for (int j = 1; j <= n - (1 << k) + 1; j++)

{

st[0][i][j][k] = max(st[0][i][j][k - 1], st[0][i][j + (1 << (k - 1))][k - 1]);

st[1][i][j][k] = min(st[1][i][j][k - 1], st[1][i][j + (1 << (k - 1))][k - 1]);

}

}

}

while (k--)

{

int x, y;

cin >> x >> y;

int Max = -0x3f3f3f3f;

int Min = 0x3f3f3f3f;

for (int i = 0; i < b; i++)

{

Max = max(Max, query\_max(x + i, y, y + b - 1));

Min = min(Min, query\_min(x + i, y, y + b - 1));

}

cout << Max - Min << endl;

}

return 0;

}