|  |  |  |
| --- | --- | --- |
| 0,3 | 1,3 | 2,3 |
| 0,2 | 1,2 | 2,2 |
| 0,1 | 1,1 | 2,1 |
| 0,0 | 1,0 | 2,0 |

4x4

Row = 4

Column = 3

For(int i=0; i<row; i++)

{

For(int j=0; j<column; j++)

{

if(i – 1 >= 0)

AddAjacent(grid[i-1, j])

if(i + 1 < row)

AddAjacent(grid[i+1, j])

if(j - 1 >= 0)

AddAjacent(grid[I, j-1])

if(j + 1 < column)

AddAjacent(grid[i j+1])

}

}

Trace

I=0;

J=0;

0,0 adjacent = 1,0

I=0;

J=1;

If(y ==0)

2 adjacents

If(x==0)

2 adjacents

If (x == row.length-1)

2 adjacents

If(y == column.length-1)

2 adjacents