**학번 : 18 이름 : 정민재**

* **알고리즘**

1. [선언] 행 : int iRow, 열 : int iCol
2. [입력] iRow, iCol
3. [판단]0 > iRow, iCol <= 20
   1. True
      1. [이동] 4.
   2. False
      1. [이동] 2.
4. ppiSnail [iRow][iCol] 동적할당
5. int nCheckRow = iRow-1;

int nCheckCol = iCol;

int nRow = 0;

int nCol = -1;

int nNum = 0;

int idirection = 1;

1. int i = 0
2. [판단] i < nCheckCol
   1. True
      1. nCol= nCol + idirection
      2. nNum = nNum + 1
      3. ppiSnail[nRow][nCol] = nNum
      4. i = i + 1
      5. [이동] 7.
   2. False
      1. [이동] 8.
3. nCheckCol = nCheckCol – 1
4. [판단] (iRow \* iCol) == nNum
   1. True
      1. [이동] 14.
   2. False
      1. [이동] 10.
5. int j = 0
6. [판단] j < nCheckRow
   1. True
      1. nRow= nRow + idirection
      2. nNum = nNum + 1
      3. ppiSnail[nRow][nCol] = nNum
      4. j = j + 1
      5. [이동] 11.
   2. False
      1. [이동] 12.
7. nCheckRow = nCheckRow – 1
8. [판단] (iRow \* iCol) == nNum
   1. True
      1. [이동] 14.
   2. False
      1. [이동] 6.
9. iRow x iCol 2차원배열 출력
10. ppiSnail [iRow][iCol] 동적할당 해제(free)
11. [종료]

* **순서도**

