- Snail array.

Snail array is a 2d-array of integers that meets following conditions.

1) Contains integers from 1 to M*N, where N>2 is width and M>2 is height.
2) Top leftmost cell is always 1.
3) Integers increase in spiral from inward and clockwise.

Below are some examples of snail arrays.

Ex1> 4 * 5

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>11</td>
<td>29</td>
<td>19</td>
<td>18</td>
<td>7</td>
</tr>
<tr>
<td>12</td>
<td>11</td>
<td>10</td>
<td>9</td>
<td>8</td>
</tr>
</tbody>
</table>

Ex2> 3 * 7

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>17</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>18</td>
<td>5</td>
</tr>
<tr>
<td>14</td>
<td>19</td>
<td>6</td>
</tr>
<tr>
<td>13</td>
<td>20</td>
<td>7</td>
</tr>
<tr>
<td>12</td>
<td>21</td>
<td>8</td>
</tr>
<tr>
<td>11</td>
<td>10</td>
<td>9</td>
</tr>
</tbody>
</table>

1. Implement a snail array generator which meets following requirements. (40pt)

```java
class access modifier : public
class name : ArraySnailGenerator
method signature : public Integer[][] generate(int n, int m)
method returns : array of array of integers which contains snail array.
```

2. Implement a class for element of linked list (20pt)

```java
class access modifier : public
class name : SnailCell
```

1. Has 4 connections to other elements. (west, east, north, south) which is private.
2. Has 1 integer which is private.
3. Implement a snail array generator which meets following requirements. (20pt)

```java
class access modifier : public
class name : LinkedListSnailGenerator
method signature : public SnailCell generate(int n, int m)
method returns : reference to the top leftmost SnailCell instance of snail array.
```

4. Define a class named "Main" and test the both implementations. (20pt)

Printing the result would be enough. And you don't need to get the user input from standard input.

- Package name: `kr.ac.postech.csed233.hw2._STUDENT_ID`

Please be careful with package name.

- How to submit: Compress whole "src" directory in your project path and submit in LMS.