```
-------****-------****------****------****-----****-----
             Welcome to Crazy Nancy's Garden Game!
-------****-------****------****------****-----****-----
```

To win this game you need some luck with the dice and a bit of strategy.
Your garden is an NxN lot. You can plant flowers or trees. A flower takes one spot. A
tree takes 4 spots (2x2).
You roll the dice and based on the outcome you get to plant a pre-set number of trees
and flowers.

Rolls and their outcome:

  3: plan a tree (2x2) and a flower (1x1)
  6: plant 2 flowers (2 times 1x1)
  12: plant 2 trees (2 times 2x2)
  5 or 10: the rabbit will eat something that you have planted - might be a flower or
part of a tree(1x1)
  Any other EVEN rolls: plant a tree (2x2)
  Any other ODD rolls: plant a flower (1x1)

Minimum number of players: 2.
Minimum garden size: 3x3.
You can only plant in empty locations. To plant a tree you give the top left
coordinates of the 2x2 space
and I will check to make sure all 4 locations are free.
Okay .. Let's start the game! May the best gardener win!!!

The default garden size is a 4x4 square. You can use this default board size or
change the size
Enter 0 to use the default garden size or -1 to enter your own size: 2
Sorry but 2 is not a legal choice. Enter your choice:
0
How many gardeners will there be (minimum 2 required to play, max allowed 10)? 11
** Sorry but 11 is not a legal number of players.
How many gardeners will there be (minimum 2 required to play, max allowed 10)? 2
Great, 2 players it will be!

--> Name of player 1 (no spaces allowed): Nancy
--> Name of player 2 (no spaces allowed): Tom

Let's see who goes first ...
Nancy rolled a 6
Tom rolled a 9
Tom goes first.

Time to play!!!!

Tom you rolled 7 (Die 1: 2 Die2: 5)
You must plant a flower (1x1)

```
   | 0  1  2

0 | -  -  -

1 | -  -  -

2 | -  -  -


You have 9 places to do this.
Enter coordinates as row column: 0 0

Nancy you rolled 9 (Die 1: 3  Die2: 6)
You must plant a flower (1x1)

   | 0  1  2

0 | -  -  -

1 | -  -  -

2 | -  -  -


You have 9 places to do this.
Enter coordinates as row column: 2 2

Tom you rolled 9 (Die 1: 3  Die2: 6)
You must plant a flower (1x1)

   | 0  1  2

0 | f  -  -

1 | -  -  -

2 | -  -  -


You have 8 places to do this.
Enter coordinates as row column: 0 1

Nancy you rolled 3 (Die 1: 1  Die2: 2)
You must plant a tree (2x2) and a flower (1x1).

   | 0  1  2

0 | -  -  -

1 | -  -  -

2 | -  -  f


Let's start with the tree. You have 3 places to do this.
```

```
Enter coordinates as row column: 0 0
You still have a flower (1x1) flower to plant.

    | 0  1  2

 0 | t  t  -

 1 | t  t  -

 2 | -  -  f


You now have 4 places to do this.
Enter coordinates as row column: 0 0
** Sorry that location is already taken up by a t
Please enter a new set of coordinates:
2 0

Tom you rolled 11 (Die 1: 6  Die2: 5)
You must plant a flower (1x1)

    | 0  1  2

 0 | f  f  -

 1 | -  -  -

 2 | -  -  -


You have 7 places to do this.
Enter coordinates as row column: 0 2

Nancy you rolled 3 (Die 1: 2  Die2: 1)
You must plant a tree (2x2) and a flower (1x1).

    | 0  1  2

 0 | t  t  -

 1 | t  t  -

 2 | f  -  f


Sorry no room to plant a tree!
You still have a flower (1x1) flower to plant.

    | 0  1  2

 0 | t  t  -

 1 | t  t  -

 2 | f  -  f
```

```
You now have 3 places to do this.
Enter coordinates as row column: 2 1

Tom you rolled 5 (Die 1: 4  Die2: 1)

    | 0  1  2

 0 | f  f  f

 1 | -  -  -

 2 | -  -  -


The rabbit ate whatever was planted in location (0,0)

    | 0  1  2

 0 | -  f  f

 1 | -  -  -

 2 | -  -  -



Nancy you rolled 5 (Die 1: 4  Die2: 1)

    | 0  1  2

 0 | t  t  -

 1 | t  t  -

 2 | f  f  f


The rabbit ate whatever was planted in location (1,1)

    | 0  1  2

 0 | t  t  -

 1 | t  -  -

 2 | f  f  f



Tom you rolled 7 (Die 1: 2  Die2: 5)
You must plant a flower (1x1)

    | 0  1  2
```

```
0 | -  f  f

1 | -  -  -

2 | -  -  -


You have 7 places to do this.
Enter coordinates as row column: 0 0

Nancy you rolled 6 (Die 1: 3  Die2: 3)
You must plant 2 flowers (1x1)
You have 3 places to do this.

   | 0  1  2

0 | t  t  -

1 | t  -  -

2 | f  f  f


First flower - Enter coordinates as row column: 0 2

   | 0  1  2

0 | t  t  f

1 | t  -  -

2 | f  f  f


Second flower - Enter coordinates as row column: 1 1

Tom you rolled 11 (Die 1: 5  Die2: 6)
You must plant a flower (1x1)

   | 0  1  2

0 | f  f  f

1 | -  -  -

2 | -  -  -


You have 6 places to do this.
Enter coordinates as row column: 1 0

Nancy you rolled 8 (Die 1: 2  Die2: 6)
You must plant a tree (2x2)
```

```
   | 0  1  2

0 | t  t  f

1 | t  f  -

2 | f  f  f
```

and have 0 places to do this.
** Sorry no room left to plant a tree - You miss a turn

Tom you rolled 4 (Die 1: 3 Die2: 1)
You must plant a tree (2x2)

```
   | 0  1  2

0 | f  f  f

1 | f  -  -

2 | -  -  -
```

and have 1 places to do this.
Enter coordinates as row column: 1 1

Nancy you rolled 11 (Die 1: 6 Die2: 5)
You must plant a flower (1x1)

```
   | 0  1  2

0 | t  t  f

1 | t  f  -

2 | f  f  f
```

You have 1 places to do this.
Enter coordinates as row column: 1 2

FINAL RESULTS

Here are the gardens after 14 rounds.
Nancy's garden

```
   | 0  1  2

0 | t  t  f

1 | t  f  f

2 | f  f  f
```

```
Tom's garden

   | 0  1  2

0 | f  f  f

1 | f  t  t

2 | -  t  t



And the winner is ..... Nancy!!!!!
What a beautiful garden you have.

Hope you had fun!!!!
```

```
-------****-------****------****------****-----****-----
            Welcome to Crazy Nancy's Garden Game!
-------****-------****------****------****-----****-----
```

To win this game you need some luck with the dice and a bit of strategy.
Your garden is an NxN lot. You can plant flowers or trees. A flower takes one spot. A
tree takes 4 spots (2x2).
You roll the dice and based on the outcome you get to plant a pre-set number of trees
and flowers.

Rolls and their outcome:

   3: plan a tree (2x2) and a flower (1x1)
   6: plant 2 flowers (2 times 1x1)
   12: plant 2 trees (2 times 2x2)
   5 or 10: the rabbit will eat something that you have planted - might be a flower or
part of a tree(1x1)
   Any other EVEN rolls: plant a tree (2x2)
   Any other ODD rolls: plant a flower (1x1)

Minimum number of players: 2.
Minimum garden size: 3x3.
You can only plant in empty locations. To plant a tree you give the top left
coordinates of the 2x2 space
and I will check to make sure all 4 locations are free.
Okay .. Let's start the game! May the best gardener win!!!

The default garden size is a 4x4 square. You can use this default board size or
change the size
Enter 0 to use the default garden size or -1 to enter your own size: -1
What size board would you like? (minimum size 3) 5
How many gardeners will there be (minimum 2 required to play, max allowed 10)? 2
Great, 2 players it will be!

--> Name of player 1 (no spaces allowed): Julien
--> Name of player 2 (no spaces allowed): Eli

Let's see who goes first ...
Julien rolled a 9
Eli rolled a 11
Eli goes first.

Time to play!!!!

Eli you rolled 7 (Die 1: 1 Die2: 6)
You must plant a flower (1x1)

   | 0 1 2 3 4

 0 | - - - - -
```

```
 1 | -  -  -  -  -

 2 | -  -  -  -  -

 3 | -  -  -  -  -

 4 | -  -  -  -  -
```

You have 25 places to do this.
Enter coordinates as row column: 0 0

Julien you rolled 8 (Die 1: 2 Die2: 6)
You must plant a tree (2x2)

```
   | 0  1  2  3  4

 0 | -  -  -  -  -

 1 | -  -  -  -  -

 2 | -  -  -  -  -

 3 | -  -  -  -  -

 4 | -  -  -  -  -
```

and have 16 places to do this.
Enter coordinates as row column: 3 4
** Sorry either the row or column is not in the range of 0 to 4 or your tree will be
off the grid. Try again
3 3

Eli you rolled 9 (Die 1: 5 Die2: 4)
You must plant a flower (1x1)

```
   | 0  1  2  3  4

 0 | f  -  -  -  -

 1 | -  -  -  -  -

 2 | -  -  -  -  -

 3 | -  -  -  -  -

 4 | -  -  -  -  -
```

You have 24 places to do this.
Enter coordinates as row column: 1 0

Julien you rolled 10 (Die 1: 6 Die2: 4)

```
    | 0  1  2  3  4

0 | -  -  -  -  -

1 | -  -  -  -  -

2 | -  -  -  -  -

3 | -  -  -  t  t

4 | -  -  -  t  t
```

Eli you rolled 6 (Die 1: 2 Die2: 4)
You must plant 2 flowers (1x1)
You have 23 places to do this.

```
    | 0  1  2  3  4

0 | f  -  -  -  -

1 | f  -  -  -  -

2 | -  -  -  -  -

3 | -  -  -  -  -

4 | -  -  -  -  -
```

First flower - Enter coordinates as row column: 2 0

```
    | 0  1  2  3  4

0 | f  -  -  -  -

1 | f  -  -  -  -

2 | f  -  -  -  -

3 | -  -  -  -  -

4 | -  -  -  -  -
```

Second flower - Enter coordinates as row column: 3 0

Julien you rolled 8 (Die 1: 3 Die2: 5)
You must plant a tree (2x2)

```
    | 0  1  2  3  4

0 | -  -  -  -  -
```

```
1 | -  -  -  -  -

2 | -  -  -  -  -

3 | -  -  -  t  t

4 | -  -  -  t  t
```

and have 12 places to do this.
Enter coordinates as row column: 1 3

Eli you rolled 3 (Die 1: 1 Die2: 2)
You must plant a tree (2x2) and a flower (1x1).

```
  | 0  1  2  3  4

0 | f  -  -  -  -

1 | f  -  -  -  -

2 | f  -  -  -  -

3 | f  -  -  -  -

4 | -  -  -  -  -
```

Let's start with the tree. You have 12 places to do this.
Enter coordinates as row column: 0 1
You still have a flower (1x1) flower to plant.

```
  | 0  1  2  3  4

0 | f  t  t  -  -

1 | f  t  t  -  -

2 | f  -  -  -  -

3 | f  -  -  -  -

4 | -  -  -  -  -
```

You now have 17 places to do this.
Enter coordinates as row column: 4 0

Julien you rolled 10 (Die 1: 4 Die2: 6)

```
  | 0  1  2  3  4

0 | -  -  -  -  -
```

```
1 | -   -   -   t   t

2 | -   -   -   t   t

3 | -   -   -   t   t

4 | -   -   -   t   t
```

The rabbit ate whatever was planted in location (4,4)

```
  | 0  1  2  3  4

0 | -   -   -   -   -

1 | -   -   -   t   t

2 | -   -   -   t   t

3 | -   -   -   t   t

4 | -   -   -   t   -
```

Eli you rolled 7 (Die 1: 2 Die2: 5)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | f   t   t   -   -

1 | f   t   t   -   -

2 | f   -   -   -   -

3 | f   -   -   -   -

4 | f   -   -   -   -
```

You have 16 places to do this.
Enter coordinates as row column: 2 1

Julien you rolled 9 (Die 1: 3 Die2: 6)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | -   -   -   -   -

1 | -   -   -   t   t

2 | -   -   -   t   t
```

```
3 | -  -  -  t  t

4 | -  -  -  t  -
```

You have 18 places to do this.
Enter coordinates as row column: 4 4

Eli you rolled 7 (Die 1: 5 Die2: 2)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | f  t  t  -  -

1 | f  t  t  -  -

2 | f  f  -  -  -

3 | f  -  -  -  -

4 | f  -  -  -  -
```

You have 15 places to do this.
Enter coordinates as row column: 0 3

Julien you rolled 5 (Die 1: 3 Die2: 2)

```
  | 0  1  2  3  4

0 | -  -  -  -  -

1 | -  -  -  t  t

2 | -  -  -  t  t

3 | -  -  -  t  t

4 | -  -  -  t  f
```

Eli you rolled 12 (Die 1: 6 Die2: 6)
You must plant 2 trees (2x2)
You have 6 places to do this.

```
  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  -  -

2 | f  f  -  -  -
```

```
3 | f  -  -  -  -

4 | f  -  -  -  -
```

First tree - Enter coordinates as row column: 1 3

```
  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  t  t

2 | f  f  -  t  t

3 | f  -  -  -  -

4 | f  -  -  -  -
```

Second tree - Enter coordinates as row column: 3 1

Julien you rolled 11 (Die 1: 5 Die2: 6)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | -  -  -  -  -

1 | -  -  -  t  t

2 | -  -  -  t  t

3 | -  -  -  t  t

4 | -  -  -  t  f
```

You have 17 places to do this.
Enter coordinates as row column: 0 4

Eli you rolled 10 (Die 1: 6 Die2: 4)

```
  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  t  t

2 | f  f  -  t  t

3 | f  t  t  -  -
```

```
4 | f  t  t  -  -
```

The rabbit ate whatever was planted in location (4,1)

```
  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  t  t

2 | f  f  -  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -
```

Julien you rolled 4 (Die 1: 3 Die2: 1)
You must plant a tree (2x2)

```
  | 0  1  2  3  4

0 | -  -  -  -  f

1 | -  -  -  t  t

2 | -  -  -  t  t

3 | -  -  -  t  t

4 | -  -  -  t  f
```

and have 8 places to do this.
Enter coordinates as row column: 0 0

Eli you rolled 10 (Die 1: 4 Die2: 6)

```
  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  t  t

2 | f  f  -  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -
```

The rabbit ate whatever was planted in location (1,3)

```
  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  -  t

2 | f  f  -  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -


Julien you rolled 4 (Die 1: 2  Die2: 2)
You must plant a tree (2x2)

  | 0  1  2  3  4

0 | t  t  -  -  f

1 | t  t  -  t  t

2 | -  -  -  t  t

3 | -  -  -  t  t

4 | -  -  -  t  f


and have 4 places to do this.
Enter coordinates as row column: 2 0

Eli you rolled 6 (Die 1: 1  Die2: 5)
You must plant 2 flowers (1x1)
You have 8 places to do this.

  | 0  1  2  3  4

0 | f  t  t  f  -

1 | f  t  t  -  t

2 | f  f  -  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -


First flower - Enter coordinates as row column: 0 4

  | 0  1  2  3  4

0 | f  t  t  f  f
```

```
1 | f  t  t  -  t

2 | f  f  -  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -
```

Second flower - Enter coordinates as row column: 1 3

Julien you rolled 7 (Die 1: 1 Die2: 6)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | t  t  -  -  f

1 | t  t  -  t  t

2 | t  t  -  t  t

3 | t  t  -  t  t

4 | -  -  -  t  f
```

You have 8 places to do this.
Enter coordinates as row column: 0 3

Eli you rolled 9 (Die 1: 4 Die2: 5)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  f  -  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -
```

You have 6 places to do this.
Enter coordinates as row column: 2 2

Julien you rolled 6 (Die 1: 5 Die2: 1)
You must plant 2 flowers (1x1)
You have 7 places to do this.

```
  | 0  1  2  3  4
```

```
0 | t  t  -  f  f

1 | t  t  -  t  t

2 | t  t  -  t  t

3 | t  t  -  t  t

4 | -  -  -  t  f


First flower - Enter coordinates as row column: 0 2

  | 0  1  2  3  4

0 | t  t  f  f  f

1 | t  t  -  t  t

2 | t  t  -  t  t

3 | t  t  -  t  t

4 | -  -  -  t  f


Second flower - Enter coordinates as row column: 1 2

Eli you rolled 7 (Die 1: 5  Die2: 2)
You must plant a flower (1x1)

  | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  f  f  t  t

3 | f  t  t  -  -

4 | f  -  t  -  -


You have 5 places to do this.
Enter coordinates as row column: 4 1

Julien you rolled 5 (Die 1: 4  Die2: 1)

  | 0  1  2  3  4

0 | t  t  f  f  f

1 | t  t  f  t  t
```

```
2 | t  t  -  t  t

3 | t  t  -  t  t

4 | -  -  -  t  f
```

The rabbit ate whatever was planted in location (3,3)

```
  | 0  1  2  3  4

0 | t  t  f  f  f

1 | t  t  f  t  t

2 | t  t  -  t  t

3 | t  t  -  -  t

4 | -  -  -  t  f
```

Eli you rolled 10 (Die 1: 6 Die2: 4)

```
  | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  f  f  t  t

3 | f  t  t  -  -

4 | f  f  t  -  -
```

Julien you rolled 9 (Die 1: 6 Die2: 3)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | t  t  f  f  f

1 | t  t  f  t  t

2 | t  t  -  t  t

3 | t  t  -  -  t

4 | -  -  -  t  f
```

You have 6 places to do this.
Enter coordinates as row column: 2 2

Eli you rolled 10 (Die 1: 5 Die2: 5)

```
  | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  f  f  t  t

3 | f  t  t  -  -

4 | f  f  t  -  -
```

The rabbit ate whatever was planted in location (2,1)

```
  | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  -  f  t  t

3 | f  t  t  -  -

4 | f  f  t  -  -
```

Julien you rolled 7 (Die 1: 5 Die2: 2)
You must plant a flower (1x1)

```
  | 0  1  2  3  4

0 | t  t  f  f  f

1 | t  t  f  t  t

2 | t  t  f  t  t

3 | t  t  -  -  t

4 | -  -  -  t  f
```

You have 5 places to do this.
Enter coordinates as row column: 4 0

Eli you rolled 12 (Die 1: 6 Die2: 6)

You must plant 2 trees (2x2)
You have 1 places to do this.

```
   | 0  1  2  3  4

0  | f  t  t  f  f

1  | f  t  t  f  t

2  | f  -  f  t  t

3  | f  t  t  -  -

4  | f  f  t  -  -
```

There is enough room for 1 tree in your garden.Enter coordinates as row column: 3 3

Julien you rolled 6 (Die 1: 4 Die2: 2)
You must plant 2 flowers (1x1)
You have 4 places to do this.

```
   | 0  1  2  3  4

0  | t  t  f  f  f

1  | t  t  f  t  t

2  | t  t  f  t  t

3  | t  t  -  -  t

4  | f  -  -  t  f
```

First flower - Enter coordinates as row column: 3 2

```
   | 0  1  2  3  4

0  | t  t  f  f  f

1  | t  t  f  t  t

2  | t  t  f  t  t

3  | t  t  f  -  t

4  | f  -  -  t  f
```

Second flower - Enter coordinates as row column: 3 3

Eli you rolled 9 (Die 1: 5 Die2: 4)
You must plant a flower (1x1)

```
   | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  -  f  t  t

3 | f  t  t  t  t

4 | f  f  t  t  t
```

You have 1 places to do this.
Enter coordinates as row column: 2 1

FINAL RESULTS

Here are the gardens after 31 rounds.
Julien's garden

```
   | 0  1  2  3  4

0 | t  t  f  f  f

1 | t  t  f  t  t

2 | t  t  f  t  t

3 | t  t  f  f  t

4 | f  -  -  t  f
```


Eli's garden

```
   | 0  1  2  3  4

0 | f  t  t  f  f

1 | f  t  t  f  t

2 | f  f  f  t  t

3 | f  t  t  t  t

4 | f  f  t  t  t
```


And the winner is ..... Eli!!!!!
What a beautiful garden you have.

Hope you had fun!!!!