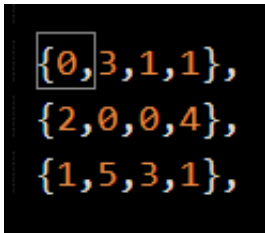


Test case 1: (as per question) => PASSED



\*\*\*\*\* OUTPUT \*\*\*\*\*

All outputs have been highlighted in bold. This is the full output will all System.out.println() active.

Note: Combination.java uses unchecked or unsafe operations.

Note: Recompile with -Xlint:unchecked for details.

Welcome to Online IDE!! Happy Coding :)

These are possible moves in: 3x4 matrix: [1, 2, 3]

Fixed number moves from START to END: 5

Maximum r value: 5

\*\*\*COMBINATIONS\*\*\* (WITH REPLACEMENT)

$$C^R(n + r) = (n+r-1)! / r!(n-1)!$$

$$C^R(3,0) = 2! / 0!(2)!$$

Combinations: 1

\*\*\*\*\*INITIAL VALUE OF CYCLES: 0

\*\*\*\*\*NEW VALUE CYCLES: 1000

\*\*\*\*\*RUNNING TOTAL CYCLES: 1000

\*\*\*PROCESSING SET AT INDEX: 0

\*\*ENDING AT INDEX:\*\*\*\*\* 0

There are: 0 possibilities SO FAR

Tested via alternating DOWN and RIGHT along path and also RIGHT and DOWN

\*\*\*COMBINATIONS\*\*\* (WITH REPLACEMENT)

$$C^R(n + r) = (n+r-1)! / r!(n-1)!$$

$$C^R(3,1) = 3! / 1!(2)!$$

Combinations: 3

\*\*\*\*\*INITIAL VALUE OF CYCLES: 0

\*\*\*\*\*NEW VALUE CYCLES: 3000

\*\*\*\*\*RUNNING TOTAL CYCLES: 4000

\*\*\*PROCESSING SET AT INDEX: 0

\*\*ENDING AT INDEX:\*\*\*\*\* 0

There are: 0 possibilities SO FAR

Tested via alternating DOWN and RIGHT along path and also RIGHT and DOWN

\*\*\*COMBINATIONS\*\*\* (WITH REPLACEMENT)

$$C^R(n + r) = (n+r-1)! / r!(n-1)!$$

$$C^R(3,2) = 4! / 2!(2)!$$

Combinations: 6

\*\*\*\*\*INITIAL VALUE OF CYCLES: 0

\*\*\*\*\*NEW VALUE CYCLES: 6000

\*\*\*\*\*RUNNING TOTAL CYCLES: 10000

\*\*\*PROCESSING SET AT INDEX: 0

\*\*ENDING AT INDEX:\*\*\*\*\* 2

{3,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 3

Successfully moved 3 to the right

You are currently at [0][3] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 3,2

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 10**

**Maximum Coins is: 10**

**Stored total coins: 10**

**3,2 Subset: 0 Coins collected{0,3,1,1,4,1} TOTAL COINS: 10 (Alternating RIGHT => DOWN => RIGHT.....)**

{3,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 3

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [0][0] on the matrix

\*\*\*\*\*

{2,3} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [0][2] on the matrix

Performing this movement: (DOWN): 3

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [0][2] on the matrix

\*\*\*\*\*

{2,3} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][0] on the matrix

Performing this movement: (RIGHT): 3

Successfully moved 3 to the right

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 2,3

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

Minimum Coins is: 0

Maximum Coins is: 12

Stored total coins: 12

2,3 Subset: 1 Coins collected{0,2,1,5,3,1} TOTAL COINS: 12 (Alternating DOWN => RIGHT => DOWN .....

There are: 2 possibilities SO FAR

**Tested via alternating DOWN and RIGHT along path and also RIGHT and DOWN**

\*\*\*COMBINATIONS\*\*\* (WITH REPLACEMENT)

$$C^R(n+r) = (n+r-1)! / r!(n-1)!$$

$$C^R(3,3) = 5! / 3!(2)!$$

Combinations: 10

\*\*\*\*\*INITIAL VALUE OF CYCLES: 0

\*\*\*\*\*NEW VALUE CYCLES: 10000

\*\*\*\*\*RUNNING TOTAL CYCLES: 20000

\*\*\*PROCESSING SET AT INDEX: 2

\*\*ENDING AT INDEX:\*\*\*\*\* 8

{2,2,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [0][2] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][2] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 2,2,1

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 8**

**2,2,1 Subset: 2 Coins collected{0,3,1,0,3,1} TOTAL COINS: 8 (Alternating RIGHT => DOWN => RIGHT.....)**

{2,2,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [2][2] on the matrix

Performing this movement: (DOWN): 1

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][2] on the matrix

\*\*\*\*\*

{2,1,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [0][2] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][2] on the matrix

Performing this movement: (RIGHT): 2

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][2] on the matrix

\*\*\*\*\*

{2,1,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [2][1] on the matrix

Performing this movement: (DOWN): 2

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][1] on the matrix

\*\*\*\*\*

{1,1,3} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][1] on the matrix

Performing this movement: (RIGHT): 3

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][1] on the matrix

\*\*\*\*\*

{1,1,3} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][1] on the matrix

Performing this movement: (DOWN): 3

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][1] on the matrix

\*\*\*\*\*

{1,2,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][1] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 1,2,2

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 12**

**1,2,2 Subset: 3 Coins collected{0,3,0,5,3,1} TOTAL COINS: 12 (Alternating RIGHT => DOWN => RIGHT.....)**

{1,2,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [1][2] on the matrix

Performing this movement: (DOWN): 2

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][2] on the matrix

\*\*\*\*\*

{1,3,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 3

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [0][1] on the matrix

\*\*\*\*\*

{1,3,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 3

Successfully moved 3 to the right

You are currently at [1][3] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*Successful: 1,3,1

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 7**

**1,3,1 Subset: 4 Coins collected{0,2,0,0,4,1} TOTAL COINS: 7 (Alternating DOWN => RIGHT => DOWN .....**

{3,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....



You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 3

Successfully moved 3 to the right

You are currently at [0][3] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][3] on the matrix

Performing this movement: (RIGHT): 1

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][3] on the matrix

\*\*\*\*\*

{3,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 3

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [0][0] on the matrix

\*\*\*\*\*

There are: 5 possibilities SO FAR

Tested via alternating DOWN and RIGHT along path and also RIGHT and DOWN

\*\*\*COMBINATIONS\*\*\* (WITH REPLACEMENT)

$$C^R(n+r) = (n+r-1)! / r!(n-1)!$$

$$C^R(3,4) = 6! / 4!(2)!$$

Combinations: 15

\*\*\*\*\*INITIAL VALUE OF CYCLES: 0

\*\*\*\*\*NEW VALUE CYCLES: 15000

\*\*\*\*\*RUNNING TOTAL CYCLES: 35000

\*\*\*PROCESSING SET AT INDEX: 8

\*\*ENDING AT INDEX:\*\*\*\*\* 12

{2,1,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [0][2] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][2] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][3] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 2,1,1,1

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 9**

**2,1,1,1    Subset: 5    Coins collected{0,3,1,0,4,1}    TOTAL COINS: 9 (Alternating RIGHT => DOWN => RIGHT.....)**

{2,1,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [2][1] on the matrix

Performing this movement: (DOWN): 1

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][1] on the matrix

\*\*\*\*\*

{1,2,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 2

Successfully moved 2 downwards

You are currently at [2][1] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [2][2] on the matrix

Performing this movement: (DOWN): 1

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][2] on the matrix

\*\*\*\*\*

{1,2,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [1][2] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [2][2] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 1,2,1,1

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 6**

**1,2,1,1    Subset: 6    Coins collected{0,2,0,0,3,1}    TOTAL COINS: 6 (Alternating DOWN => RIGHT => DOWN .....)**

{1,1,2,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][1] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

You are currently at [1][3] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 1,1,2,1

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 8**

**1,1,2,1    Subset: 7    Coins collected{0,3,0,0,4,1}    TOTAL COINS: 8 (Alternating RIGHT => DOWN => RIGHT.....)**

{1,1,2,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][1] on the matrix

Performing this movement: (DOWN): 2

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][1] on the matrix

\*\*\*\*\*

{1,1,1,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][1] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][2] on the matrix

Performing this movement: (DOWN): 2

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [1][2] on the matrix

\*\*\*\*\*

{1,1,1,2} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][1] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [2][1] on the matrix

Performing this movement: (RIGHT): 2

Successfully moved 2 to the right

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*Successful: 1,1,1,2

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 11**

**1,1,1,2 Subset: 8 Coins collected{0,2,0,5,3,1} TOTAL COINS: 11 (Alternating DOWN => RIGHT => DOWN .....)**

**There are: 9 possibilities SO FAR**

**Tested via alternating DOWN and RIGHT along path and also RIGHT and DOWN**

\*\*\*COMBINATIONS\*\*\* (WITH REPLACEMENT)

$$C^R(n + r) = (n+r-1)! / r!(n-1)!$$

$$C^R(3,5) = 7! / 5!(2)!$$

Combinations: 21

\*\*\*\*\*INITIAL VALUE OF CYCLES: 0

\*\*\*\*\*NEW VALUE CYCLES: 21000

\*\*\*\*\*RUNNING TOTAL CYCLES: 56000

\*\*\*PROCESSING SET AT INDEX: 12

\*\*ENDING AT INDEX:\*\*\*\*\* 13

{1,1,1,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating RIGHT => DOWN => RIGHT.....

You are currently at [0][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [0][1] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][1] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][2] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [2][2] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][3] on the matrix

\*\*\*\*\*

\*\*\*\*\*Successful: 1,1,1,1,1

\*\*\*\*\*MINIMUM AND MAXIMUM OF ALL THE COINS COLLECTED [Start Position => End Position]\*\*\*\*\*

**Minimum Coins is: 0**

**Maximum Coins is: 12**

**Stored total coins: 7**

**1,1,1,1,1 Subset: 9 Coins collected{0,3,0,0,3,1} TOTAL COINS: 7 (Alternating RIGHT => DOWN => RIGHT.....)**

{1,1,1,1,1} will be evaluated against the 4x3 matrix\*\*\*\*\*

Alternating DOWN => RIGHT => DOWN .....

You are currently at [0][0] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [1][0] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [1][1] on the matrix

Performing this movement: (DOWN): 1

Successfully moved 1 downwards

You are currently at [2][1] on the matrix

Performing this movement: (RIGHT): 1

Successfully moved 1 to the right

You are currently at [2][2] on the matrix

Performing this movement: (DOWN): 1

MOVEMENT IS OUT OF BOUNDS

\*\*\*\*\*DECISION!!!\*\*\*\*\*

You are currently at [2][2] on the matrix

\*\*\*\*\*

There are: 10 possibilities SO FAR

Tested via alternating DOWN and RIGHT along path and also RIGHT and DOWN

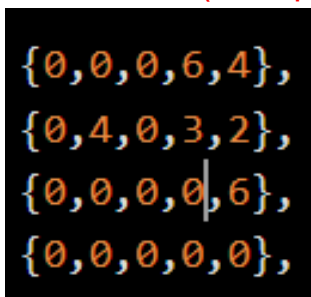
\*\*\*\*\*SOLUTIONS\*\*\*\*\*

|           |           |                              |                                                           |
|-----------|-----------|------------------------------|-----------------------------------------------------------|
| 3,2       | Subset: 0 | Coins collected{0,3,1,1,4,1} | TOTAL COINS: 10 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,3       | Subset: 1 | Coins collected{0,2,1,5,3,1} | TOTAL COINS: 12 (Alternating DOWN => RIGHT => DOWN .....  |
| 2,2,1     | Subset: 2 | Coins collected{0,3,1,0,3,1} | TOTAL COINS: 8 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,2,2     | Subset: 3 | Coins collected{0,3,0,5,3,1} | TOTAL COINS: 12 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,3,1     | Subset: 4 | Coins collected{0,2,0,0,4,1} | TOTAL COINS: 7 (Alternating DOWN => RIGHT => DOWN .....   |
| 2,1,1,1   | Subset: 5 | Coins collected{0,3,1,0,4,1} | TOTAL COINS: 9 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,2,1,1   | Subset: 6 | Coins collected{0,2,0,0,3,1} | TOTAL COINS: 6 (Alternating DOWN => RIGHT => DOWN .....   |
| 1,1,2,1   | Subset: 7 | Coins collected{0,3,0,0,4,1} | TOTAL COINS: 8 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,1,1,2   | Subset: 8 | Coins collected{0,2,0,5,3,1} | TOTAL COINS: 11 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,1,1 | Subset: 9 | Coins collected{0,3,0,0,3,1} | TOTAL COINS: 7 (Alternating RIGHT => DOWN => RIGHT.....)  |

Minimum Coins is: 0

Maximum Coins is: 12

Test case 2: (incorporating more zeros, understanding all these routes) => PASSED



```
{0,0,0,6,4},  
{0,4,0,3,2},  
{0,0,0,0,6},  
{0,0,0,0,0},
```

SHOWING ONLY OUTPUTS AT END SINCE NO OUTPUT  
IS TOO EXTENSIVE



# \*\*\*\*\* OUTPUT \*\*\*\*\*

Note: Combination.java uses unchecked or unsafe operations.

Note: Recompile with -Xlint:unchecked for details.

Welcome to Online IDE!! Happy Coding :)

These are possible moves in: 4x5 matrix: [1, 2, 3, 4]

Fixed number moves from START to END: 7

Maximum r value: 7

## \*\*\*\*\*SOLUTIONS\*\*\*\*\*

|           |            |                                  |                                                           |
|-----------|------------|----------------------------------|-----------------------------------------------------------|
| 3,4       | Subset: 0  | Coins collected{0,0,0,0,0,0,0}   | TOTAL COINS: 0 (Alternating DOWN => RIGHT => DOWN .....)  |
| 4,3       | Subset: 1  | Coins collected{0,0,0,6,4,2,6,0} | TOTAL COINS: 18 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,4,1     | Subset: 2  | Coins collected{0,0,0,0,0,0,6,0} | TOTAL COINS: 6 (Alternating DOWN => RIGHT => DOWN .....)  |
| 2,3,2     | Subset: 3  | Coins collected{0,0,0,0,0,0,0,0} | TOTAL COINS: 0 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,4,2     | Subset: 4  | Coins collected{0,0,4,0,3,2,6,0} | TOTAL COINS: 15 (Alternating DOWN => RIGHT => DOWN .....) |
| 1,3,3     | Subset: 5  | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 3,3,1     | Subset: 6  | Coins collected{0,0,0,6,3,0,0,0} | TOTAL COINS: 9 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,3,2,1   | Subset: 7  | Coins collected{0,0,4,0,3,0,0,0} | TOTAL COINS: 7 (Alternating DOWN => RIGHT => DOWN .....)  |
| 3,2,1,1   | Subset: 8  | Coins collected{0,0,0,6,3,0,6,0} | TOTAL COINS: 15 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,2,2   | Subset: 9  | Coins collected{0,0,0,0,3,2,6,0} | TOTAL COINS: 11 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,3   | Subset: 10 | Coins collected{0,0,0,0,0,0,0,0} | TOTAL COINS: 0 (Alternating DOWN => RIGHT => DOWN .....)  |
| 2,2,1,2   | Subset: 11 | Coins collected{0,0,0,0,0,0,0,0} | TOTAL COINS: 0 (Alternating DOWN => RIGHT => DOWN .....)  |
| 2,2,2,1   | Subset: 12 | Coins collected{0,0,0,0,0,0,6,0} | TOTAL COINS: 6 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,1,3,2   | Subset: 13 | Coins collected{0,0,4,0,3,2,6,0} | TOTAL COINS: 15 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,2,3   | Subset: 14 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating DOWN => RIGHT => DOWN .....)  |
| 2,3,1,1   | Subset: 15 | Coins collected{0,0,0,0,0,0,0,0} | TOTAL COINS: 0 (Alternating DOWN => RIGHT => DOWN .....)  |
| 1,2,3,1   | Subset: 16 | Coins collected{0,0,4,0,0,0,6,0} | TOTAL COINS: 10 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,2,2,2   | Subset: 17 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating DOWN => RIGHT => DOWN .....)  |
| 3,1,1,2   | Subset: 18 | Coins collected{0,0,0,6,3,2,6,0} | TOTAL COINS: 17 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,2,1,1,2 | Subset: 19 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,2,2,1,1 | Subset: 20 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,1,1,2,2 | Subset: 21 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,3,1,1,1 | Subset: 22 | Coins collected{0,0,4,0,3,0,6,0} | TOTAL COINS: 13 (Alternating DOWN => RIGHT => DOWN .....) |
| 1,1,2,2,1 | Subset: 23 | Coins collected{0,0,4,0,3,0,0,0} | TOTAL COINS: 7 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 2,2,1,1,1 | Subset: 24 | Coins collected{0,0,0,0,0,0,0,0} | TOTAL COINS: 0 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,2,1,2,1 | Subset: 25 | Coins collected{0,0,4,0,0,0,6,0} | TOTAL COINS: 10 (Alternating DOWN => RIGHT => DOWN .....) |
| 2,1,1,2,1 | Subset: 26 | Coins collected{0,0,0,0,3,0,0,0} | TOTAL COINS: 3 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,1,1,3,1 | Subset: 27 | Coins collected{0,0,4,0,0,0,6,0} | TOTAL COINS: 10 (Alternating DOWN => RIGHT => DOWN .....) |

|               |            |                                  |                                                           |
|---------------|------------|----------------------------------|-----------------------------------------------------------|
| 1,1,1,2,1,1   | Subset: 28 | Coins collected{0,0,4,0,0,0,0}   | TOTAL COINS: 4 (Alternating DOWN => RIGHT => DOWN .....   |
| 1,1,1,1,1,2   | Subset: 29 | Coins collected{0,0,4,0,0,0,0}   | TOTAL COINS: 4 (Alternating DOWN => RIGHT => DOWN .....   |
| 1,1,2,1,1,1   | Subset: 30 | Coins collected{0,0,4,0,3,0,6,0} | TOTAL COINS: 13 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,1,1   | Subset: 31 | Coins collected{0,0,0,0,3,0,6,0} | TOTAL COINS: 9 (Alternating RIGHT => DOWN => RIGHT.....)  |
| 1,1,1,1,2,1   | Subset: 32 | Coins collected{0,0,4,0,0,0,6,0} | TOTAL COINS: 10 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,2,1,1,1,1   | Subset: 33 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating DOWN => RIGHT => DOWN .....   |
| 1,1,1,1,1,1,1 | Subset: 34 | Coins collected{0,0,4,0,0,0,0,0} | TOTAL COINS: 4 (Alternating RIGHT => DOWN => RIGHT.....)  |

Minimum Coins is: 0

Maximum Coins is: 18

Test case 3: (Larger grid) => PASSED

```

{0,0,0,6,0,0,1,0,0},
{1,0,0,0,0,0,0,6,0},
{0,0,9,0,9,4,1,1,0},
{0,0,1,0,0,1,1,9,0},
{0,0,1,0,0,0,1,1,1},
{4,5,6,3,2,9,9,7,2},
{4,9,0,8,7,6,2,1,3},

```

SHOWING ONLY OUTPUTS AT END SINCE OUTPUTS IS TOO EXTENSIVE

\*\*\*\*\* OUTPUT \*\*\*\*\*

Unfortunately

static String[] completedPaths = new String [1000] was not sufficient and execution terminated. I have increased the size.

The fact following were also breached also indicates that there must be syntax error in getminimumMaximumCoins since it was only intended to fill this array if equal to current maximum or minimum coins. I have documented this on the website section.

**storeMinimumCoins = new String[1000];**

**storeMaximumCoins = new String[1000];**

|                                                                         |                                                       |                                                 |
|-------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------|
| <b>2,1,3,3,1,1,1,1 Subset: 1899<br/>=&gt; DOWN =&gt; RIGHT.....)</b>    | <b>Coins collected{0,0,0,0,0,0,4,1,0,1,9,7,1,3}</b>   | <b>TOTAL COINS: 26 (Alternating RIGHT</b>       |
| <b>1,1,3,2,1,1,1,2,2 Subset: 1900<br/>=&gt; DOWN =&gt; RIGHT.....)</b>  | <b>Coins collected{0,0,0,0,0,0,9,0,1,0,1,9,2,1,3}</b> | <b>TOTAL COINS: 26 (Alternating RIGHT</b>       |
| <b>1,1,2,1,2,1,2,3,1 Subset: 1901<br/>=&gt; DOWN =&gt; RIGHT.....)</b>  | <b>Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,1,3}</b> | <b>TOTAL COINS: 36 (Alternating RIGHT</b>       |
| <b>1,3,2,1,1,1,4,1 Subset: 1902<br/>DOWN =&gt; RIGHT.....)</b>          | <b>Coins collected{0,0,0,0,0,1,0,0,0,2,9,9,7,2,3}</b> | <b>TOTAL COINS: 33 (Alternating RIGHT =&gt;</b> |
| <b>3,3,1,2,1,2,1,1 Subset: 1903<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,0,1,0,0,0,0,9,9,7,1,3}</b> | <b>TOTAL COINS: 31 (Alternating DOWN =&gt;</b>  |
| <b>2,1,2,1,3,1,1,3 Subset: 1904<br/>DOWN =&gt; RIGHT.....)</b>          | <b>Coins collected{0,0,0,0,0,0,9,4,1,1,9,0,1,2,3}</b> | <b>TOTAL COINS: 30 (Alternating RIGHT =&gt;</b> |
| <b>1,1,1,1,1,1,3,3,2 Subset: 1905<br/>=&gt; DOWN =&gt; RIGHT.....)</b>  | <b>Coins collected{0,0,0,0,9,0,0,0,1,1,1,9,2,1,3}</b> | <b>TOTAL COINS: 27 (Alternating RIGHT</b>       |
| <b>1,1,1,1,3,1,2,3,1 Subset: 1906<br/>=&gt; DOWN =&gt; RIGHT.....)</b>  | <b>Coins collected{0,0,0,0,9,0,9,4,1,1,9,1,7,1,3}</b> | <b>TOTAL COINS: 45 (Alternating RIGHT</b>       |
| <b>1,2,1,2,2,1,2,3 Subset: 1907<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,9,0,9,0,0,0,9,6,2,1,3}</b> | <b>TOTAL COINS: 40 (Alternating DOWN =&gt;</b>  |
| <b>3,2,1,1,1,2,3,1 Subset: 1908<br/>DOWN =&gt; RIGHT.....)</b>          | <b>Coins collected{0,0,0,6,0,0,9,0,1,0,9,9,7,2,3}</b> | <b>TOTAL COINS: 46 (Alternating RIGHT =&gt;</b> |
| <b>1,2,1,1,4,2,2,1 Subset: 1909<br/>DOWN =&gt; RIGHT.....)</b>          | <b>Coins collected{0,0,0,0,9,1,0,0,1,1,1,9,7,2,3}</b> | <b>TOTAL COINS: 34 (Alternating RIGHT =&gt;</b> |
| <b>1,1,2,3,1,1,1,3,1 Subset: 1910<br/>=&gt; RIGHT =&gt; DOWN .....)</b> | <b>Coins collected{0,1,0,0,0,1,0,0,0,0,9,9,7,2,3}</b> | <b>TOTAL COINS: 32 (Alternating DOWN</b>        |
| <b>2,2,1,1,2,2,1,3 Subset: 1911<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,9,1,0,0,3,2,9,6,2,1,3}</b> | <b>TOTAL COINS: 37 (Alternating DOWN =&gt;</b>  |
| <b>2,1,1,4,1,1,1,2,1 Subset: 1912<br/>=&gt; RIGHT =&gt; DOWN .....)</b> | <b>Coins collected{0,1,0,0,0,1,0,0,1,0,1,9,7,2,3}</b> | <b>TOTAL COINS: 25 (Alternating DOWN</b>        |
| <b>1,1,2,1,3,2,2,2 Subset: 1913<br/>DOWN =&gt; RIGHT.....)</b>          | <b>Coins collected{0,0,0,0,0,0,9,4,1,1,1,1,1,2,3}</b> | <b>TOTAL COINS: 23 (Alternating RIGHT =&gt;</b> |
| <b>2,1,2,1,1,2,1,4 Subset: 1914<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,0,0,1,6,3,2,7,6,2,1,3}</b> | <b>TOTAL COINS: 32 (Alternating DOWN =&gt;</b>  |
| <b>1,1,1,1,1,2,1,2,4 Subset: 1915<br/>=&gt; DOWN =&gt; RIGHT.....)</b>  | <b>Coins collected{0,0,0,0,9,0,0,0,0,2,7,6,2,1,3}</b> | <b>TOTAL COINS: 30 (Alternating RIGHT</b>       |
| <b>1,2,1,4,3,1,1,1 Subset: 1916<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,9,0,9,4,1,1,1,9,7,1,3}</b> | <b>TOTAL COINS: 46 (Alternating DOWN =&gt;</b>  |
| <b>2,1,1,4,2,1,1,2 Subset: 1917<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,0,1,0,0,1,0,9,9,2,1,3}</b> | <b>TOTAL COINS: 27 (Alternating DOWN =&gt;</b>  |
| <b>1,1,1,1,1,5,3,1 Subset: 1918<br/>RIGHT =&gt; DOWN .....)</b>         | <b>Coins collected{0,1,0,0,9,1,0,0,1,1,9,1,7,1,3}</b> | <b>TOTAL COINS: 34 (Alternating DOWN =&gt;</b>  |
| <b>2,1,3,3,1,1,2,1 Subset: 1919<br/>DOWN =&gt; RIGHT.....)</b>          | <b>Coins collected{0,0,0,0,0,0,0,4,1,0,1,9,7,2,3}</b> | <b>TOTAL COINS: 27 (Alternating RIGHT =&gt;</b> |

|                                                           |                                                |                                       |
|-----------------------------------------------------------|------------------------------------------------|---------------------------------------|
| 1,1,3,2,1,3,1,2 Subset: 1920<br>RIGHT => DOWN .....)      | Coins collected{0,1,0,0,0,0,1,0,3,2,9,9,2,1,3} | TOTAL COINS: 31 (Alternating DOWN =>  |
| 1,1,2,2,1,2,1,1,3 Subset: 1921<br>=> DOWN => RIGHT.....)  | Coins collected{0,0,0,0,0,0,0,0,2,9,6,2,1,3}   | TOTAL COINS: 23 (Alternating RIGHT    |
| 1,1,2,1,1,2,1,4,1 Subset: 1922<br>=> RIGHT => DOWN .....) | Coins collected{0,1,0,0,0,1,1,0,0,2,9,9,7,2,3} | TOTAL COINS: 35 (Alternating DOWN     |
| 1,1,2,1,2,2,1,2,2 Subset: 1923<br>=> DOWN => RIGHT.....)  | Coins collected{0,0,0,0,0,0,9,4,1,0,1,9,2,1,3} | TOTAL COINS: 30 (Alternating RIGHT    |
| 2,1,1,2,2,4,1,1 Subset: 1924<br>RIGHT => DOWN .....)      | Coins collected{0,1,0,0,0,1,0,0,3,2,9,9,7,1,3} | TOTAL COINS: 36 (Alternating DOWN =>  |
| 2,1,3,2,2,2,1,1 Subset: 1925<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,0,0,0,4,1,1,9,1,7,2,3} | TOTAL COINS: 28 (Alternating RIGHT => |
| 2,1,1,1,3,2,2,2 Subset: 1926<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,0,0,9,4,1,1,1,1,1,2,3} | TOTAL COINS: 23 (Alternating RIGHT => |
| 1,1,1,4,3,2,1,1 Subset: 1927<br>RIGHT => DOWN .....)      | Coins collected{0,1,0,0,9,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 53 (Alternating DOWN =>  |
| 1,2,2,1,1,2,4,1 Subset: 1928<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,9,0,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 41 (Alternating RIGHT => |
| 2,2,2,1,1,1,1,2,2 Subset: 1929<br>=> DOWN => RIGHT.....)  | Coins collected{0,0,0,0,9,0,9,0,1,0,1,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT    |
| 3,2,1,1,1,2,2,1,1 Subset: 1930<br>=> DOWN => RIGHT.....)  | Coins collected{0,0,0,6,0,0,9,0,1,0,9,9,7,1,3} | TOTAL COINS: 45 (Alternating RIGHT    |
| 3,1,2,1,2,1,1,3 Subset: 1931<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,6,0,0,0,4,1,1,9,0,1,2,3} | TOTAL COINS: 27 (Alternating RIGHT => |
| 2,2,1,1,4,2,1,1 Subset: 1932<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,9,0,0,0,1,1,9,1,7,2,3} | TOTAL COINS: 33 (Alternating RIGHT => |
| 1,2,1,2,3,1,3,1 Subset: 1933<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,9,1,1,0,0,0,9,9,7,2,3} | TOTAL COINS: 41 (Alternating RIGHT => |
| 4,2,1,1,2,2,1,1 Subset: 1934<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,6,0,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 43 (Alternating RIGHT => |
| 1,3,3,1,1,1,3,1 Subset: 1935<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,0,1,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 31 (Alternating RIGHT => |
| 1,2,2,1,1,1,2,4 Subset: 1936<br>RIGHT => DOWN .....)      | Coins collected{0,1,0,0,9,1,0,0,2,7,6,2,1,3}   | TOTAL COINS: 32 (Alternating DOWN =>  |
| 1,3,1,1,1,3,3,1 Subset: 1937<br>RIGHT => DOWN .....)      | Coins collected{0,1,0,0,0,0,9,0,1,1,9,1,7,1,3} | TOTAL COINS: 33 (Alternating DOWN =>  |
| 2,5,1,1,2,1,1,1 Subset: 1938<br>RIGHT => DOWN .....)      | Coins collected{0,1,0,0,9,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 46 (Alternating DOWN =>  |
| 1,1,3,1,1,3,3,1 Subset: 1939<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,7,2,3} | TOTAL COINS: 44 (Alternating RIGHT => |
| 2,1,3,1,1,2,1,2,1 Subset: 1940<br>=> DOWN => RIGHT.....)  | Coins collected{0,0,0,0,0,0,0,4,1,1,1,1,7,1,3} | TOTAL COINS: 19 (Alternating RIGHT    |
| 2,1,1,1,4,3,1,1 Subset: 1941<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 37 (Alternating RIGHT => |
| 1,1,5,2,1,1,1,2 Subset: 1942<br>DOWN => RIGHT.....)       | Coins collected{0,0,0,0,0,0,0,0,1,1,9,1,1,2,3} | TOTAL COINS: 18 (Alternating RIGHT => |

|                                                          |                                                |                                       |
|----------------------------------------------------------|------------------------------------------------|---------------------------------------|
| 2,2,1,3,1,1,2,2 Subset: 1943<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,9,1,0,0,1,0,1,9,2,1,3} | TOTAL COINS: 28 (Alternating DOWN =>  |
| 1,3,1,1,2,1,4,1 Subset: 1944<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,0,1,1,0,0,2,9,9,7,2,3} | TOTAL COINS: 34 (Alternating RIGHT => |
| 1,1,3,1,1,1,1,3,2 Subset: 1945<br>=> DOWN => RIGHT.....) | Coins collected{0,0,0,0,0,0,9,4,1,1,1,9,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT    |
| 2,3,1,2,2,1,1,2 Subset: 1946<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,9,0,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 35 (Alternating DOWN =>  |
| 1,2,3,1,1,2,3,1 Subset: 1947<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,9,0,9,0,1,0,9,9,7,2,3} | TOTAL COINS: 49 (Alternating RIGHT => |
| 2,1,1,5,2,1,1,1 Subset: 1948<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,0,1,0,0,1,1,1,9,7,1,3} | TOTAL COINS: 25 (Alternating DOWN =>  |
| 1,1,1,1,3,4,1,2 Subset: 1949<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,9,1,1,6,3,2,9,9,2,1,3} | TOTAL COINS: 47 (Alternating DOWN =>  |
| 2,1,1,3,1,2,2,2 Subset: 1950<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,0,1,0,0,0,0,1,9,2,1,3} | TOTAL COINS: 18 (Alternating DOWN =>  |
| 1,1,2,1,2,3,1,3 Subset: 1951<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,0,1,1,6,3,2,9,6,2,1,3} | TOTAL COINS: 35 (Alternating DOWN =>  |
| 1,3,2,1,4,1,1,1 Subset: 1952<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,0,1,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 15 (Alternating RIGHT => |
| 1,1,2,3,2,1,3,1 Subset: 1953<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,0,0,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 30 (Alternating RIGHT => |
| 1,1,3,2,2,1,2,2 Subset: 1954<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,0,0,9,0,1,1,1,1,1,2,3} | TOTAL COINS: 19 (Alternating RIGHT => |
| 1,3,2,1,1,1,3,1,1 Subset: 1955<br>=> DOWN => RIGHT.....) | Coins collected{0,0,0,0,0,1,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT    |
| 1,1,2,2,2,2,1,1,2 Subset: 1956<br>=> DOWN => RIGHT.....) | Coins collected{0,0,0,0,0,0,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 25 (Alternating RIGHT    |
| 2,1,1,3,2,1,3,1 Subset: 1957<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,0,0,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 30 (Alternating RIGHT => |
| 1,1,3,3,1,3,1,1 Subset: 1958<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,0,0,1,0,0,2,9,9,7,1,3} | TOTAL COINS: 33 (Alternating DOWN =>  |
| 3,2,1,1,1,1,3,2 Subset: 1959<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,6,0,0,9,0,1,0,1,1,1,2,3} | TOTAL COINS: 24 (Alternating RIGHT => |
| 1,2,2,2,1,1,2,3 Subset: 1960<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,9,1,0,0,0,0,9,6,2,1,3} | TOTAL COINS: 32 (Alternating DOWN =>  |
| 2,3,1,3,2,1,1,1 Subset: 1961<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,9,0,0,0,1,1,1,9,7,1,3} | TOTAL COINS: 33 (Alternating DOWN =>  |
| 1,1,1,2,3,1,1,4 Subset: 1962<br>RIGHT => DOWN .....)     | Coins collected{0,1,0,0,9,0,0,0,3,2,7,6,2,1,3} | TOTAL COINS: 34 (Alternating DOWN =>  |
| 1,2,1,1,1,1,5,2 Subset: 1963<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,9,1,0,0,0,0,1,1,1,2,3} | TOTAL COINS: 18 (Alternating RIGHT => |
| 1,2,2,2,3,1,2,1 Subset: 1964<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,0,9,0,0,0,0,0,1,9,7,2,3} | TOTAL COINS: 31 (Alternating RIGHT => |
| 4,2,1,1,1,1,2,2 Subset: 1965<br>DOWN => RIGHT.....)      | Coins collected{0,0,0,6,0,0,9,4,1,1,1,1,1,2,3} | TOTAL COINS: 29 (Alternating RIGHT => |

|                                                            |                                                |                                                           |
|------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------|
| 1,1,5,3,1,1,1,1 Subset: 1966<br>DOWN => RIGHT.....)        | Coins collected{0,0,0,0,0,0,0,1,1,1,1,7,2,3}   | TOTAL COINS: 16 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,2,1,2,1,1,3,1 Subset: 1967<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,2,1,1,1,1,2,2,2 Subset: 1968<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,0,1,9,2,1,3}   | TOTAL COINS: 25 (Alternating RIGHT => DOWN => RIGHT.....) |
| 4,1,1,3,1,1,1,1,1 Subset: 1969<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,6,0,0,0,4,1,0,1,9,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,2,2,1,4,1,1 Subset: 1970<br>RIGHT => DOWN .....)       | Coins collected{0,1,0,0,0,0,1,0,3,2,9,9,7,1,3} | TOTAL COINS: 36 (Alternating DOWN => RIGHT => DOWN .....) |
| 1,2,2,1,3,2,1,1,1 Subset: 1971<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,1,1,1,9,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,2,1,2,1,1,4 Subset: 1972<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,1,0,0,3,2,7,6,2,1,3} | TOTAL COINS: 34 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,2,2,2,2,1,1,1,2 Subset: 1973<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,0,9,9,2,1,3}   | TOTAL COINS: 33 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,2,3,1,1,1,1,2 Subset: 1974<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,9,0,0,0,9,9,2,1,3}   | TOTAL COINS: 33 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,2,1,2,5,1,1,1 Subset: 1975<br>DOWN => RIGHT.....)        | Coins collected{0,0,0,0,9,1,1,0,0,0,1,1,7,2,3} | TOTAL COINS: 25 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,1,1,3,2,1,1 Subset: 1976<br>=> DOWN => RIGHT.....) | Coins collected{0,0,0,0,0,0,9,0,1,1,9,1,7,2,3} | TOTAL COINS: 33 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,2,2,2,1,1,2,1 Subset: 1977<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,9,0,1,1,1,1,7,1,3} | TOTAL COINS: 24 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,1,2,3,1,1,3 Subset: 1978<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,9,0,0,2,9,6,2,1,3} | TOTAL COINS: 41 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,2,2,1,1,1,4 Subset: 1979<br>RIGHT => DOWN .....)       | Coins collected{0,1,0,0,0,0,1,0,3,2,7,6,2,1,3} | TOTAL COINS: 26 (Alternating DOWN => RIGHT => DOWN .....) |
| 1,2,2,1,1,2,3,1,1 Subset: 1980<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 40 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,1,4,2,1,1,1,1 Subset: 1981<br>=> DOWN => RIGHT.....) | Coins collected{0,0,0,0,9,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 38 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,3,1,1,1,1,1,1,4 Subset: 1982<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,1,1,0,3,2,7,6,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,2,2,1,2,2,1 Subset: 1983<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,0,0,1,0,1,1,7,1,3} | TOTAL COINS: 14 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,1,2,2,1,2,3 Subset: 1984<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,9,0,0,9,6,2,1,3}   | TOTAL COINS: 39 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,4,1,2,2,1,1,1,1 Subset: 1985<br>=> RIGHT => DOWN .....)  | Coins collected{0,1,0,0,0,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 30 (Alternating DOWN => RIGHT => DOWN .....) |
| 2,2,1,1,1,1,1,2,3 Subset: 1986<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,0,9,6,2,1,3}   | TOTAL COINS: 30 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,1,1,3,2,3,1 Subset: 1987<br>=> RIGHT => DOWN .....)  | Coins collected{0,1,0,0,9,1,0,0,1,0,9,9,7,2,3} | TOTAL COINS: 42 (Alternating DOWN => RIGHT => DOWN .....) |
| 3,2,1,3,1,2,1,1 Subset: 1988<br>RIGHT => DOWN .....)       | Coins collected{0,1,0,0,0,1,1,0,0,0,9,9,7,1,3} | TOTAL COINS: 32 (Alternating DOWN => RIGHT => DOWN .....) |

|                                             |              |                                                |                                       |
|---------------------------------------------|--------------|------------------------------------------------|---------------------------------------|
| 1,1,2,1,3,3,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 1989 | Coins collected{0,0,0,0,0,9,4,1,1,1,9,7,1,3}   | TOTAL COINS: 36 (Alternating RIGHT    |
| 1,1,3,2,2,1,1,2,1<br>=> DOWN => RIGHT.....) | Subset: 1990 | Coins collected{0,0,0,0,0,9,0,1,1,1,1,7,1,3}   | TOTAL COINS: 24 (Alternating RIGHT    |
| 1,3,1,2,1,2,2,1,1<br>=> RIGHT => DOWN ..... | Subset: 1991 | Coins collected{0,1,0,0,0,9,4,1,1,9,1,7,2,3}   | TOTAL COINS: 38 (Alternating DOWN     |
| 1,2,1,1,1,2,4,1,1<br>=> DOWN => RIGHT.....) | Subset: 1992 | Coins collected{0,0,0,0,9,1,0,0,3,2,9,9,7,1,3} | TOTAL COINS: 44 (Alternating RIGHT    |
| 3,3,1,1,1,1,3,1<br>DOWN => RIGHT.....)      | Subset: 1993 | Coins collected{0,0,0,6,0,0,0,0,0,9,9,7,2,3}   | TOTAL COINS: 36 (Alternating RIGHT => |
| 1,1,3,1,3,1,1,3<br>DOWN => RIGHT.....)      | Subset: 1994 | Coins collected{0,0,0,0,0,9,4,1,1,9,0,1,2,3}   | TOTAL COINS: 30 (Alternating RIGHT => |
| 2,3,2,1,1,1,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 1995 | Coins collected{0,0,0,0,9,1,0,0,0,0,9,9,7,1,3} | TOTAL COINS: 39 (Alternating RIGHT    |
| 2,1,1,1,1,2,2,2,2<br>=> DOWN => RIGHT.....) | Subset: 1996 | Coins collected{0,0,0,0,0,9,0,0,0,1,9,2,1,3}   | TOTAL COINS: 25 (Alternating RIGHT    |
| 1,3,1,1,2,2,2,2<br>RIGHT => DOWN .....      | Subset: 1997 | Coins collected{0,1,0,0,0,9,0,0,0,1,9,2,1,3}   | TOTAL COINS: 26 (Alternating DOWN =>  |
| 2,1,1,3,1,1,4,1<br>DOWN => RIGHT.....)      | Subset: 1998 | Coins collected{0,0,0,0,0,0,0,0,2,9,9,7,2,3}   | TOTAL COINS: 32 (Alternating RIGHT => |
| 2,3,1,1,3,1,2,1<br>DOWN => RIGHT.....)      | Subset: 1999 | Coins collected{0,0,0,0,9,1,0,0,0,0,1,9,7,2,3} | TOTAL COINS: 32 (Alternating RIGHT => |
| 1,3,1,1,2,1,1,1,2<br>=> RIGHT => DOWN ..... | Subset: 2000 | Coins collected{0,1,0,0,0,9,0,0,0,9,9,2,1,3}   | TOTAL COINS: 34 (Alternating DOWN     |
| 3,2,1,1,3,2,1,1<br>DOWN => RIGHT.....)      | Subset: 2001 | Coins collected{0,0,0,6,0,0,9,0,1,1,9,1,7,2,3} | TOTAL COINS: 39 (Alternating RIGHT => |
| 4,1,1,1,2,2,1,2<br>DOWN => RIGHT.....)      | Subset: 2002 | Coins collected{0,0,0,6,0,0,0,4,1,1,9,1,1,2,3} | TOTAL COINS: 28 (Alternating RIGHT => |
| 1,1,1,1,2,2,1,4,1<br>=> RIGHT => DOWN ..... | Subset: 2003 | Coins collected{0,1,0,0,9,1,1,0,0,2,9,9,7,2,3} | TOTAL COINS: 44 (Alternating DOWN     |
| 1,2,4,1,2,2,1,1<br>DOWN => RIGHT.....)      | Subset: 2004 | Coins collected{0,0,0,0,9,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 46 (Alternating RIGHT => |
| 2,2,1,1,2,2,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2005 | Coins collected{0,0,0,0,9,0,0,0,1,0,9,9,7,1,3} | TOTAL COINS: 39 (Alternating RIGHT    |
| 1,1,1,1,4,2,1,2,1<br>=> DOWN => RIGHT.....) | Subset: 2006 | Coins collected{0,0,0,0,9,0,9,4,1,1,1,1,7,1,3} | TOTAL COINS: 37 (Alternating RIGHT    |
| 3,2,2,2,1,1,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2007 | Coins collected{0,0,0,6,0,0,9,4,1,0,1,9,7,1,3} | TOTAL COINS: 41 (Alternating RIGHT    |
| 2,1,2,1,1,3,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2008 | Coins collected{0,0,0,0,0,9,4,1,0,9,9,2,1,3}   | TOTAL COINS: 38 (Alternating RIGHT    |
| 1,1,2,1,2,2,2,2,1<br>=> DOWN => RIGHT.....) | Subset: 2009 | Coins collected{0,0,0,0,0,9,4,1,0,1,1,7,1,3}   | TOTAL COINS: 27 (Alternating RIGHT    |
| 1,3,2,1,2,1,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2010 | Coins collected{0,0,0,0,0,1,0,0,0,0,9,9,2,1,3} | TOTAL COINS: 25 (Alternating RIGHT    |
| 1,1,2,3,1,1,1,1,3<br>=> DOWN => RIGHT.....) | Subset: 2011 | Coins collected{0,0,0,0,0,0,0,0,2,9,6,2,1,3}   | TOTAL COINS: 23 (Alternating RIGHT    |

|                                             |              |                                                |                                       |
|---------------------------------------------|--------------|------------------------------------------------|---------------------------------------|
| 1,1,2,1,3,1,1,3,1<br>=> DOWN => RIGHT.....) | Subset: 2012 | Coins collected{0,0,0,0,0,9,4,1,1,9,1,7,1,3}   | TOTAL COINS: 36 (Alternating RIGHT    |
| 2,2,1,1,1,4,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2013 | Coins collected{0,1,0,0,9,1,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 25 (Alternating DOWN     |
| 1,1,4,1,1,2,1,2,1<br>=> DOWN => RIGHT.....) | Subset: 2014 | Coins collected{0,0,0,0,0,0,0,4,1,1,1,1,7,1,3} | TOTAL COINS: 19 (Alternating RIGHT    |
| 3,3,2,1,1,1,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2015 | Coins collected{0,0,0,6,0,0,0,0,1,0,1,9,7,1,3} | TOTAL COINS: 28 (Alternating RIGHT    |
| 3,1,2,2,1,2,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2016 | Coins collected{0,0,0,6,0,0,0,4,1,1,1,9,7,1,3} | TOTAL COINS: 33 (Alternating RIGHT    |
| 1,4,1,1,1,2,2,1,1<br>=> RIGHT => DOWN ..... | Subset: 2017 | Coins collected{0,1,0,0,0,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 38 (Alternating DOWN     |
| 1,1,2,5,1,1,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2018 | Coins collected{0,1,0,0,0,1,0,0,1,1,1,1,7,2,3} | TOTAL COINS: 18 (Alternating DOWN     |
| 1,1,3,1,1,5,1,1<br>RIGHT => DOWN .....      | Subset: 2019 | Coins collected{0,1,0,0,0,0,1,6,3,2,9,9,7,1,3} | TOTAL COINS: 42 (Alternating DOWN =>  |
| 1,5,2,1,1,1,2,1<br>RIGHT => DOWN .....      | Subset: 2020 | Coins collected{0,1,0,0,0,0,0,4,1,1,1,1,7,1,3} | TOTAL COINS: 20 (Alternating DOWN =>  |
| 1,4,1,1,2,1,1,2,1<br>=> RIGHT => DOWN ..... | Subset: 2021 | Coins collected{0,1,0,0,0,0,9,4,1,0,1,9,7,2,3} | TOTAL COINS: 37 (Alternating DOWN     |
| 1,2,1,3,1,1,1,2,2<br>=> RIGHT => DOWN ..... | Subset: 2022 | Coins collected{0,1,0,0,9,0,9,4,1,1,1,1,1,2,3} | TOTAL COINS: 33 (Alternating DOWN     |
| 1,3,2,1,1,1,2,1,2<br>=> DOWN => RIGHT.....) | Subset: 2023 | Coins collected{0,0,0,0,0,1,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 27 (Alternating RIGHT    |
| 1,1,2,1,1,2,4,2<br>DOWN => RIGHT.....)      | Subset: 2024 | Coins collected{0,0,0,0,0,0,9,0,0,0,1,1,1,2,3} | TOTAL COINS: 17 (Alternating RIGHT => |
| 1,1,2,1,2,3,3,1<br>DOWN => RIGHT.....)      | Subset: 2025 | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,7,2,3} | TOTAL COINS: 44 (Alternating RIGHT => |
| 3,1,1,2,1,2,3,1<br>DOWN => RIGHT.....)      | Subset: 2026 | Coins collected{0,0,0,6,0,0,9,0,1,0,9,9,7,2,3} | TOTAL COINS: 46 (Alternating RIGHT => |
| 1,1,1,5,3,1,1,1<br>RIGHT => DOWN .....      | Subset: 2027 | Coins collected{0,1,0,0,9,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 46 (Alternating DOWN =>  |
| 2,2,1,2,2,1,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2028 | Coins collected{0,0,0,0,9,0,0,0,0,0,9,9,7,1,3} | TOTAL COINS: 38 (Alternating RIGHT    |
| 2,2,2,2,1,1,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2029 | Coins collected{0,0,0,0,9,0,9,0,0,0,9,9,7,1,3} | TOTAL COINS: 47 (Alternating RIGHT    |
| 4,1,2,1,1,2,1,2<br>DOWN => RIGHT.....)      | Subset: 2030 | Coins collected{0,0,0,6,0,0,0,0,1,1,9,1,1,2,3} | TOTAL COINS: 24 (Alternating RIGHT => |
| 2,1,1,1,2,3,1,3<br>RIGHT => DOWN .....      | Subset: 2031 | Coins collected{0,1,0,0,0,1,1,6,3,2,9,6,2,1,3} | TOTAL COINS: 35 (Alternating DOWN =>  |
| 4,2,1,1,1,1,1,2,1<br>=> DOWN => RIGHT.....) | Subset: 2032 | Coins collected{0,0,0,6,0,0,9,4,1,1,1,1,7,1,3} | TOTAL COINS: 34 (Alternating RIGHT    |
| 1,2,2,3,1,2,2,1<br>RIGHT => DOWN .....      | Subset: 2033 | Coins collected{0,1,0,0,9,1,0,0,1,0,1,1,7,1,3} | TOTAL COINS: 25 (Alternating DOWN =>  |
| 1,1,2,3,4,1,1,1<br>DOWN => RIGHT.....)      | Subset: 2034 | Coins collected{0,0,0,0,0,0,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 14 (Alternating RIGHT => |



|                     |              |                                                |                                                           |
|---------------------|--------------|------------------------------------------------|-----------------------------------------------------------|
| 2,1,4,2,1,1,1,2     | Subset: 2035 | Coins collected{0,0,0,0,0,0,0,1,1,9,1,1,2,3}   | TOTAL COINS: 18 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,2,1,1,1,4,2   | Subset: 2036 | Coins collected{0,1,0,0,9,0,0,0,0,1,1,1,2,3}   | TOTAL COINS: 18 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,2,1,1,4,2,1   | Subset: 2037 | Coins collected{0,0,0,0,9,1,0,0,0,0,1,1,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,2,3,1,1,2,2   | Subset: 2038 | Coins collected{0,0,0,0,9,1,0,0,1,0,1,9,2,1,3} | TOTAL COINS: 27 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,4,2,2,2,1,1     | Subset: 2039 | Coins collected{0,0,0,0,0,0,0,4,1,1,9,1,7,2,3} | TOTAL COINS: 28 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,1,5,2,1     | Subset: 2040 | Coins collected{0,1,0,0,0,1,1,0,0,0,1,1,7,1,3} | TOTAL COINS: 16 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,1,4,1,1,3,1   | Subset: 2041 | Coins collected{0,0,0,0,9,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 45 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,1,2,3,1,1,1 | Subset: 2042 | Coins collected{0,0,0,0,0,0,9,0,0,0,1,1,7,2,3} | TOTAL COINS: 23 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,3,1,1,1,1,1,3,2   | Subset: 2043 | Coins collected{0,1,0,0,0,0,9,0,1,0,1,1,1,2,3} | TOTAL COINS: 19 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,2,2,1,2,2,3     | Subset: 2044 | Coins collected{0,1,0,0,0,1,0,0,0,0,9,6,2,1,3} | TOTAL COINS: 23 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,2,2,3,2,2     | Subset: 2045 | Coins collected{0,1,0,0,9,0,0,0,0,0,1,9,2,1,3} | TOTAL COINS: 26 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,2,4,1,1,1,2,1   | Subset: 2046 | Coins collected{0,1,0,0,0,1,0,0,1,0,1,9,7,2,3} | TOTAL COINS: 25 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,2,1,1,2,2,2,1,2   | Subset: 2047 | Coins collected{0,0,0,0,9,1,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 36 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,1,3,1,1,3   | Subset: 2048 | Coins collected{0,0,0,0,0,0,9,0,0,2,9,6,2,1,3} | TOTAL COINS: 32 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,3,2,1,1,3,1,1     | Subset: 2049 | Coins collected{0,1,0,0,9,0,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 41 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,1,1,2,4,1,1,1 | Subset: 2050 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 23 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,3,3,1,1,2,1,1   | Subset: 2051 | Coins collected{0,0,0,0,0,0,9,0,0,0,9,9,7,1,3} | TOTAL COINS: 38 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,2,1,2,2,3,1   | Subset: 2052 | Coins collected{0,1,0,0,9,0,0,0,1,0,9,9,7,2,3} | TOTAL COINS: 41 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,3,1,2,3,2,1,1     | Subset: 2053 | Coins collected{0,1,0,0,0,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 44 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,3,1,1,1,3,2,1,1   | Subset: 2054 | Coins collected{0,1,0,0,0,0,9,0,1,1,9,1,7,2,3} | TOTAL COINS: 34 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,2,2,1,2,1,3,1   | Subset: 2055 | Coins collected{0,1,0,0,0,1,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 32 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,2,1,2,1,3,3     | Subset: 2056 | Coins collected{0,0,0,0,0,0,9,4,1,1,9,0,1,2,3} | TOTAL COINS: 30 (Alternating RIGHT => DOWN => RIGHT.....) |
| 3,2,1,2,1,2,1,2     | Subset: 2057 | Coins collected{0,1,0,0,0,1,1,0,0,2,9,9,2,1,3} | TOTAL COINS: 29 (Alternating DOWN => RIGHT => DOWN .....  |

|                     |              |                                                |                                                           |
|---------------------|--------------|------------------------------------------------|-----------------------------------------------------------|
| 2,2,3,1,2,1,1,2     | Subset: 2058 | Coins collected{0,0,0,0,9,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 40 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,2,1,1,2,4,1   | Subset: 2059 | Coins collected{0,1,0,0,9,0,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 42 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,1,1,1,1,3,4   | Subset: 2060 | Coins collected{0,0,0,0,9,0,0,0,0,2,7,6,2,1,3} | TOTAL COINS: 30 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,3,1,1,1,1,2,3,1   | Subset: 2061 | Coins collected{0,1,0,0,0,9,0,1,0,9,9,7,2,3}   | TOTAL COINS: 41 (Alternating DOWN => RIGHT => DOWN .....  |
| 2,1,1,4,1,1,1,1,1   | Subset: 2062 | Coins collected{0,1,0,0,0,1,0,0,1,0,1,9,7,1,3} | TOTAL COINS: 24 (Alternating DOWN => RIGHT => DOWN .....  |
| 4,3,1,1,1,1,1,1,1   | Subset: 2063 | Coins collected{0,0,0,6,0,0,9,0,1,0,1,9,7,1,3} | TOTAL COINS: 37 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,3,1,1,2,3,2,1     | Subset: 2064 | Coins collected{0,1,0,0,0,9,0,0,0,1,1,7,1,3}   | TOTAL COINS: 23 (Alternating DOWN => RIGHT => DOWN .....  |
| 3,2,2,2,1,1,2,1     | Subset: 2065 | Coins collected{0,0,0,6,0,0,9,4,1,0,1,9,7,2,3} | TOTAL COINS: 42 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,2,1,4,1,1,1   | Subset: 2066 | Coins collected{0,1,0,0,0,1,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 16 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,3,5,1,1,1,1     | Subset: 2067 | Coins collected{0,1,0,0,0,0,1,0,0,0,1,9,7,1,3} | TOTAL COINS: 23 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,3,1,1,1,1,1,2,2   | Subset: 2068 | Coins collected{0,1,0,0,0,0,9,0,1,0,1,9,2,1,3} | TOTAL COINS: 27 (Alternating DOWN => RIGHT => DOWN .....  |
| 3,3,1,1,1,1,1,1,2   | Subset: 2069 | Coins collected{0,0,0,6,0,0,0,0,0,9,9,2,1,3}   | TOTAL COINS: 30 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,1,1,2,1,2,2 | Subset: 2070 | Coins collected{0,0,0,0,0,9,0,1,1,1,1,1,2,3}   | TOTAL COINS: 19 (Alternating RIGHT => DOWN => RIGHT.....) |
| 5,1,1,3,1,1,1,1     | Subset: 2071 | Coins collected{0,0,0,6,0,0,0,0,1,1,1,1,7,2,3} | TOTAL COINS: 22 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,2,2,1,2,1,1,1,1,1 | Subset: 2072 | Coins collected{0,0,0,0,9,0,9,0,1,1,1,1,7,2,3} | TOTAL COINS: 34 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,2,1,2,1,1,3,2   | Subset: 2073 | Coins collected{0,0,0,0,0,9,4,1,1,1,9,2,1,3}   | TOTAL COINS: 31 (Alternating RIGHT => DOWN => RIGHT.....) |
| 3,1,1,1,1,1,2,3,1   | Subset: 2074 | Coins collected{0,0,0,6,0,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 42 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,2,5,1,1     | Subset: 2075 | Coins collected{0,1,0,0,0,1,1,6,3,2,9,9,7,1,3} | TOTAL COINS: 43 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,1,1,3,3,3     | Subset: 2076 | Coins collected{0,1,0,0,9,1,0,0,1,0,9,6,2,1,3} | TOTAL COINS: 33 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,2,1,1,2,2,3   | Subset: 2077 | Coins collected{0,0,0,0,9,1,0,0,0,0,9,6,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,2,2,1,2,4     | Subset: 2078 | Coins collected{0,1,0,0,9,0,0,0,0,2,7,6,2,1,3} | TOTAL COINS: 31 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,2,4,1,1,1,2,2     | Subset: 2079 | Coins collected{0,0,0,0,9,0,9,4,1,1,1,1,1,2,3} | TOTAL COINS: 32 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,2,2,1,1,3,1,2     | Subset: 2080 | Coins collected{0,1,0,0,9,1,1,0,3,2,9,9,2,1,3} | TOTAL COINS: 41 (Alternating DOWN => RIGHT => DOWN .....  |

|                                             |              |                                                |                                       |
|---------------------------------------------|--------------|------------------------------------------------|---------------------------------------|
| 2,1,1,2,1,3,1,2,1<br>=> RIGHT => DOWN ..... | Subset: 2081 | Coins collected{0,1,0,0,0,1,0,0,0,1,9,7,2,3}   | TOTAL COINS: 24 (Alternating DOWN     |
| 4,2,1,2,2,1,1,1<br>DOWN => RIGHT.....)      | Subset: 2082 | Coins collected{0,0,0,6,0,0,9,4,1,0,1,1,7,2,3} | TOTAL COINS: 34 (Alternating RIGHT => |
| 1,2,1,4,2,1,2,1<br>RIGHT => DOWN .....      | Subset: 2083 | Coins collected{0,1,0,0,9,0,9,4,1,1,1,1,7,1,3} | TOTAL COINS: 38 (Alternating DOWN =>  |
| 1,1,1,5,1,1,1,1,2<br>=> RIGHT => DOWN ..... | Subset: 2084 | Coins collected{0,1,0,0,9,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 41 (Alternating DOWN     |
| 1,3,1,3,3,1,1,1<br>RIGHT => DOWN .....      | Subset: 2085 | Coins collected{0,1,0,0,0,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 37 (Alternating DOWN =>  |
| 1,2,2,3,2,1,1,2<br>RIGHT => DOWN .....      | Subset: 2086 | Coins collected{0,1,0,0,9,1,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 36 (Alternating DOWN =>  |
| 1,2,2,2,1,1,1,1,3<br>=> DOWN => RIGHT.....) | Subset: 2087 | Coins collected{0,0,0,0,9,0,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 32 (Alternating RIGHT    |
| 1,3,1,2,1,2,1,1,2<br>=> RIGHT => DOWN ..... | Subset: 2088 | Coins collected{0,1,0,0,0,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 32 (Alternating DOWN     |
| 3,3,1,2,1,1,1,2<br>RIGHT => DOWN .....      | Subset: 2089 | Coins collected{0,1,0,0,0,1,0,0,0,0,9,9,2,1,3} | TOTAL COINS: 26 (Alternating DOWN =>  |
| 1,1,2,4,1,1,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2090 | Coins collected{0,1,0,0,0,1,0,0,1,0,1,9,7,1,3} | TOTAL COINS: 24 (Alternating DOWN     |
| 1,3,2,1,1,1,1,1,3<br>=> DOWN => RIGHT.....) | Subset: 2091 | Coins collected{0,0,0,0,0,1,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 24 (Alternating RIGHT    |
| 1,1,3,1,1,2,1,2,2<br>=> DOWN => RIGHT.....) | Subset: 2092 | Coins collected{0,0,0,0,0,0,9,4,1,0,1,9,2,1,3} | TOTAL COINS: 30 (Alternating RIGHT    |
| 1,5,1,1,3,1,1,1<br>RIGHT => DOWN .....      | Subset: 2093 | Coins collected{0,1,0,0,0,0,0,4,1,1,1,9,7,1,3} | TOTAL COINS: 28 (Alternating DOWN =>  |
| 2,1,1,3,1,2,1,2,1<br>=> RIGHT => DOWN ..... | Subset: 2094 | Coins collected{0,1,0,0,0,1,0,0,0,0,1,9,7,2,3} | TOTAL COINS: 24 (Alternating DOWN     |
| 1,1,1,1,1,3,4,1,1<br>=> DOWN => RIGHT.....) | Subset: 2095 | Coins collected{0,0,0,0,9,0,0,0,3,2,9,9,7,1,3} | TOTAL COINS: 43 (Alternating RIGHT    |
| 1,2,2,2,2,1,3,1<br>DOWN => RIGHT.....)      | Subset: 2096 | Coins collected{0,0,0,0,9,0,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 39 (Alternating RIGHT => |
| 2,1,1,1,2,4,1,2<br>RIGHT => DOWN .....      | Subset: 2097 | Coins collected{0,1,0,0,0,1,1,6,3,2,9,9,2,1,3} | TOTAL COINS: 38 (Alternating DOWN =>  |
| 2,2,1,4,1,1,2,1<br>RIGHT => DOWN .....      | Subset: 2098 | Coins collected{0,1,0,0,9,1,0,0,1,1,1,1,7,1,3} | TOTAL COINS: 26 (Alternating DOWN =>  |
| 2,1,1,1,1,1,4,3<br>DOWN => RIGHT.....)      | Subset: 2099 | Coins collected{0,0,0,0,0,0,9,0,1,1,9,0,1,2,3} | TOTAL COINS: 26 (Alternating RIGHT => |
| 3,2,1,2,1,1,3,1<br>DOWN => RIGHT.....)      | Subset: 2100 | Coins collected{0,0,0,6,0,0,9,0,0,0,9,9,7,2,3} | TOTAL COINS: 45 (Alternating RIGHT => |
| 1,3,1,1,1,1,5,1<br>DOWN => RIGHT.....)      | Subset: 2101 | Coins collected{0,0,0,0,0,1,1,0,3,2,9,9,7,2,3} | TOTAL COINS: 37 (Alternating RIGHT => |
| 1,1,1,4,1,1,2,2,1<br>=> RIGHT => DOWN ..... | Subset: 2102 | Coins collected{0,1,0,0,9,0,9,4,1,1,1,9,7,2,3} | TOTAL COINS: 47 (Alternating DOWN     |
| 1,3,3,1,1,1,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2103 | Coins collected{0,0,0,0,0,1,0,0,0,0,9,9,2,1,3} | TOTAL COINS: 25 (Alternating RIGHT    |

|                     |              |                                                |                                                              |
|---------------------|--------------|------------------------------------------------|--------------------------------------------------------------|
| 1,1,3,2,2,1,1,1     | Subset: 2104 | Coins collected{0,0,0,0,0,0,0,1,1,1,9,7,1,3}   | TOTAL COINS: 32 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,4,2,2,1,1,2     | Subset: 2105 | Coins collected{0,0,0,0,0,0,0,4,1,1,9,1,1,2,3} | TOTAL COINS: 22 (Alternating RIGHT =><br>DOWN => RIGHT.....) |
| 1,2,1,1,1,1,1,3,1,1 | Subset: 2106 | Coins collected{0,0,0,0,9,1,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 41 (Alternating<br>RIGHT => DOWN => RIGHT.....) |
| 1,1,1,1,1,1,3,2,2,1 | Subset: 2107 | Coins collected{0,0,0,0,9,0,0,0,1,1,1,9,7,2,3} | TOTAL COINS: 33 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,2,2,1,1,4,1     | Subset: 2108 | Coins collected{0,0,0,0,9,0,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 41 (Alternating RIGHT =><br>DOWN => RIGHT.....) |
| 1,2,2,1,2,2,3,1     | Subset: 2109 | Coins collected{0,0,0,0,9,0,0,0,1,0,9,9,7,2,3} | TOTAL COINS: 40 (Alternating RIGHT =><br>DOWN => RIGHT.....) |
| 2,1,1,2,1,2,1,1,3   | Subset: 2110 | Coins collected{0,0,0,0,0,0,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 23 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,3,1,1,3,1,2,1,1   | Subset: 2111 | Coins collected{0,0,0,0,0,1,1,0,0,0,9,9,7,1,3} | TOTAL COINS: 31 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,1,2,2,1,2,2,2   | Subset: 2112 | Coins collected{0,0,0,0,9,1,0,0,0,0,1,9,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,1,2,3,1,2,1,1   | Subset: 2113 | Coins collected{0,0,0,0,9,1,1,0,0,0,9,9,7,1,3} | TOTAL COINS: 40 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,1,2,1,3,1,1,2   | Subset: 2114 | Coins collected{0,1,0,0,9,0,9,0,1,1,9,1,1,2,3} | TOTAL COINS: 37 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 1,2,2,1,1,1,3,2,1   | Subset: 2115 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,1,7,1,3} | TOTAL COINS: 22 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,2,2,2,4,1,1     | Subset: 2116 | Coins collected{0,1,0,0,0,1,0,0,3,2,9,9,7,1,3} | TOTAL COINS: 36 (Alternating DOWN =><br>RIGHT => DOWN .....  |
| 3,1,1,1,1,2,2,2,1   | Subset: 2117 | Coins collected{0,0,0,6,0,0,9,4,1,0,1,1,7,1,3} | TOTAL COINS: 33 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 3,1,1,3,1,3,1,1     | Subset: 2118 | Coins collected{0,1,0,0,0,0,1,0,0,2,9,9,7,1,3} | TOTAL COINS: 33 (Alternating DOWN =><br>RIGHT => DOWN .....  |
| 3,1,1,2,1,1,1,2,2   | Subset: 2119 | Coins collected{0,0,0,6,0,0,9,0,1,0,1,9,2,1,3} | TOTAL COINS: 32 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 3,2,1,1,2,1,1,2,1   | Subset: 2120 | Coins collected{0,0,0,6,0,0,9,0,1,1,1,1,7,1,3} | TOTAL COINS: 30 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 2,1,2,1,2,1,2,3     | Subset: 2121 | Coins collected{0,0,0,0,0,0,9,4,1,1,9,0,1,2,3} | TOTAL COINS: 30 (Alternating RIGHT =><br>DOWN => RIGHT.....) |
| 1,1,1,1,1,1,3,5     | Subset: 2122 | Coins collected{0,1,0,0,9,1,0,0,3,8,7,6,2,1,3} | TOTAL COINS: 41 (Alternating DOWN =><br>RIGHT => DOWN .....  |
| 1,1,2,4,2,1,1,2     | Subset: 2123 | Coins collected{0,1,0,0,0,1,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 27 (Alternating DOWN =><br>RIGHT => DOWN .....  |
| 1,4,1,1,3,1,1,2     | Subset: 2124 | Coins collected{0,1,0,0,0,0,9,4,1,0,9,9,2,1,3} | TOTAL COINS: 39 (Alternating DOWN =><br>RIGHT => DOWN .....  |
| 1,1,1,1,5,1,1,3     | Subset: 2125 | Coins collected{0,0,0,0,9,0,9,4,1,1,9,0,1,2,3} | TOTAL COINS: 39 (Alternating RIGHT =><br>DOWN => RIGHT.....) |
| 1,1,1,3,2,1,2,1,2   | Subset: 2126 | Coins collected{0,0,0,0,9,1,1,0,0,2,9,9,2,1,3} | TOTAL COINS: 37 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |

|                                               |              |                                                |                                       |
|-----------------------------------------------|--------------|------------------------------------------------|---------------------------------------|
| 1,1,1,1,4,3,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2127 | Coins collected{0,0,0,0,9,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 45 (Alternating RIGHT    |
| 2,1,1,1,1,2,1,4,1<br>=> RIGHT => DOWN .....   | Subset: 2128 | Coins collected{0,1,0,0,0,1,1,0,0,2,9,9,7,2,3} | TOTAL COINS: 35 (Alternating DOWN     |
| 2,1,1,2,3,2,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2129 | Coins collected{0,0,0,0,0,0,0,0,1,1,1,9,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT    |
| 1,4,1,2,1,1,2,1,1<br>=> RIGHT => DOWN .....   | Subset: 2130 | Coins collected{0,1,0,0,0,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 38 (Alternating DOWN     |
| 2,1,2,1,3,2,1,2<br>DOWN => RIGHT.....)        | Subset: 2131 | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 31 (Alternating RIGHT => |
| 1,4,2,1,1,2,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2132 | Coins collected{0,1,0,0,0,0,9,0,1,0,1,1,7,2,3} | TOTAL COINS: 25 (Alternating DOWN     |
| 1,1,2,1,1,1,3,3,1<br>=> DOWN => RIGHT.....)   | Subset: 2133 | Coins collected{0,0,0,0,0,0,9,0,1,1,9,1,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT    |
| 1,4,3,1,1,2,1,1<br>RIGHT => DOWN .....        | Subset: 2134 | Coins collected{0,1,0,0,0,0,9,0,0,9,9,7,1,3}   | TOTAL COINS: 39 (Alternating DOWN =>  |
| 3,1,2,3,2,1,1,1<br>DOWN => RIGHT.....)        | Subset: 2135 | Coins collected{0,0,0,6,0,0,0,4,1,0,1,1,7,2,3} | TOTAL COINS: 25 (Alternating RIGHT => |
| 1,2,2,1,1,2,1,1,1,2<br>=> RIGHT => DOWN ..... | Subset: 2136 | Coins collected{0,1,0,0,9,1,0,0,0,0,9,9,2,1,3} | TOTAL COINS: 35 (Alternating DOWN     |
| 1,1,1,3,3,1,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2137 | Coins collected{0,0,0,0,9,1,1,0,0,0,9,9,7,1,3} | TOTAL COINS: 40 (Alternating RIGHT    |
| 1,1,1,3,1,1,2,3,1<br>=> RIGHT => DOWN .....   | Subset: 2138 | Coins collected{0,1,0,0,9,0,9,0,1,0,9,9,7,2,3} | TOTAL COINS: 50 (Alternating DOWN     |
| 1,1,1,3,2,3,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2139 | Coins collected{0,1,0,0,9,0,9,0,0,0,1,1,7,2,3} | TOTAL COINS: 33 (Alternating DOWN     |
| 1,4,2,1,1,1,1,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2140 | Coins collected{0,1,0,0,0,0,9,0,1,0,1,9,7,1,3} | TOTAL COINS: 32 (Alternating DOWN     |
| 2,1,2,2,1,2,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2141 | Coins collected{0,0,0,0,0,0,9,0,1,0,9,9,7,1,3} | TOTAL COINS: 39 (Alternating RIGHT    |
| 1,1,1,1,2,1,1,2,1,3<br>=> RIGHT => DOWN ..... | Subset: 2142 | Coins collected{0,1,0,0,9,1,1,0,3,2,9,6,2,1,3} | TOTAL COINS: 38 (Alternating DOWN     |
| 2,1,1,1,2,1,2,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2143 | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 31 (Alternating RIGHT    |
| 2,1,1,1,1,4,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2144 | Coins collected{0,1,0,0,0,1,1,0,0,0,1,9,7,2,3} | TOTAL COINS: 25 (Alternating DOWN     |
| 1,2,1,2,3,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2145 | Coins collected{0,0,0,0,9,1,1,0,0,0,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT    |
| 1,2,3,1,2,1,1,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2146 | Coins collected{0,0,0,0,9,0,9,0,1,1,1,1,7,1,3} | TOTAL COINS: 33 (Alternating RIGHT    |
| 1,1,1,4,1,2,1,1,2<br>=> RIGHT => DOWN .....   | Subset: 2147 | Coins collected{0,1,0,0,9,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 41 (Alternating DOWN     |
| 1,1,2,3,1,3,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2148 | Coins collected{0,1,0,0,0,1,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 16 (Alternating DOWN     |
| 4,1,1,1,1,1,1,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2149 | Coins collected{0,0,0,6,0,0,0,4,1,1,9,1,1,2,3} | TOTAL COINS: 28 (Alternating RIGHT    |

|                       |              |                                                |                                                              |
|-----------------------|--------------|------------------------------------------------|--------------------------------------------------------------|
| 1,3,1,2,2,1,1,2,1     | Subset: 2150 | Coins collected{0,1,0,0,0,0,9,4,1,0,1,9,7,2,3} | TOTAL COINS: 37 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 1,1,1,2,5,2,1,1       | Subset: 2151 | Coins collected{0,0,0,0,9,1,0,0,1,1,9,1,7,2,3} | TOTAL COINS: 34 (Alternating RIGHT =><br>DOWN => RIGHT.....) |
| 1,1,2,1,1,2,2,1,2,1   | Subset: 2152 | Coins collected{0,0,0,0,0,0,9,0,0,0,1,9,7,2,3} | TOTAL COINS: 31 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,4,1,1,1,1,2,1     | Subset: 2153 | Coins collected{0,0,0,0,9,0,9,4,1,1,1,1,7,1,3} | TOTAL COINS: 37 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,1,1,1,1,2,5,1     | Subset: 2154 | Coins collected{0,1,0,0,9,1,0,0,3,2,9,9,7,2,3} | TOTAL COINS: 46 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 1,1,2,2,1,2,3,1,1     | Subset: 2155 | Coins collected{0,0,0,0,0,0,0,0,2,9,9,7,1,3}   | TOTAL COINS: 31 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,1,1,1,1,2,2,3     | Subset: 2156 | Coins collected{0,0,0,0,9,1,0,0,0,0,9,6,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,3,2,1,2,2,1,1     | Subset: 2157 | Coins collected{0,0,0,0,0,0,9,0,1,0,9,9,7,1,3} | TOTAL COINS: 39 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,1,3,1,2,2,1,1     | Subset: 2158 | Coins collected{0,1,0,0,9,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 47 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 1,2,1,4,1,1,1,1,2     | Subset: 2159 | Coins collected{0,1,0,0,9,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 41 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 3,1,2,3,1,1,1,1,1     | Subset: 2160 | Coins collected{0,0,0,6,0,0,0,4,1,0,1,9,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,1,1,2,1,3,2,1     | Subset: 2161 | Coins collected{0,0,0,0,9,1,0,0,0,0,1,1,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,1,1,2,1,3,1,1,2   | Subset: 2162 | Coins collected{0,0,0,0,9,0,9,0,1,1,9,1,1,2,3} | TOTAL COINS: 36 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,2,1,1,2,1,1,1,3   | Subset: 2163 | Coins collected{0,1,0,0,0,1,1,0,0,2,9,6,2,1,3} | TOTAL COINS: 26 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 2,2,2,1,2,2,1,1,1     | Subset: 2164 | Coins collected{0,0,0,0,9,0,9,0,1,1,1,9,7,1,3} | TOTAL COINS: 41 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 2,2,1,1,1,1,2,1,1,1,1 | Subset: 2165 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,9,7,1,3} | TOTAL COINS: 30 (Alternating<br>RIGHT => DOWN => RIGHT.....) |
| 1,1,1,3,1,1,3,1,2     | Subset: 2166 | Coins collected{0,0,0,0,9,1,1,0,3,2,9,9,2,1,3} | TOTAL COINS: 40 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,1,1,1,3,3,2,1,1     | Subset: 2167 | Coins collected{0,0,0,0,9,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 52 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 2,2,1,2,1,1,2,1,2     | Subset: 2168 | Coins collected{0,0,0,0,9,0,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,1,1,1,1,1,2,4     | Subset: 2169 | Coins collected{0,0,0,0,9,1,0,0,0,2,7,6,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT<br>=> DOWN => RIGHT.....) |
| 1,2,2,1,1,1,1,4,1     | Subset: 2170 | Coins collected{0,1,0,0,9,1,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 43 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 1,4,1,1,1,1,1,2,2     | Subset: 2171 | Coins collected{0,1,0,0,0,0,9,4,1,1,1,1,1,2,3} | TOTAL COINS: 24 (Alternating DOWN<br>=> RIGHT => DOWN .....  |
| 1,1,2,1,1,5,2,1       | Subset: 2172 | Coins collected{0,1,0,0,0,1,1,0,0,0,1,1,7,1,3} | TOTAL COINS: 16 (Alternating DOWN =><br>RIGHT => DOWN .....  |

|                                               |              |                                                |                                       |
|-----------------------------------------------|--------------|------------------------------------------------|---------------------------------------|
| 1,4,1,2,1,1,1,2<br>=> RIGHT => DOWN .....     | Subset: 2173 | Coins collected{0,1,0,0,0,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 32 (Alternating DOWN     |
| 3,1,2,1,1,2,2,2<br>DOWN => RIGHT.....)        | Subset: 2174 | Coins collected{0,0,0,6,0,0,0,4,1,1,1,1,1,2,3} | TOTAL COINS: 20 (Alternating RIGHT => |
| 1,1,2,1,1,4,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2175 | Coins collected{0,1,0,0,0,1,1,0,0,0,1,9,7,2,3} | TOTAL COINS: 25 (Alternating DOWN     |
| 1,2,1,2,1,2,2,2,1<br>=> RIGHT => DOWN .....   | Subset: 2176 | Coins collected{0,1,0,0,9,0,9,0,1,1,1,9,7,2,3} | TOTAL COINS: 43 (Alternating DOWN     |
| 1,3,2,1,3,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2177 | Coins collected{0,0,0,0,0,1,0,0,0,0,1,9,7,1,3} | TOTAL COINS: 22 (Alternating RIGHT    |
| 1,1,1,1,2,1,1,4,1,1<br>=> RIGHT => DOWN ..... | Subset: 2178 | Coins collected{0,1,0,0,9,1,1,0,3,2,9,9,7,1,3} | TOTAL COINS: 46 (Alternating DOWN     |
| 1,2,2,2,1,1,1,3,1<br>=> RIGHT => DOWN .....   | Subset: 2179 | Coins collected{0,1,0,0,9,1,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 41 (Alternating DOWN     |
| 1,1,1,1,1,4,1,2,2<br>=> RIGHT => DOWN .....   | Subset: 2180 | Coins collected{0,1,0,0,9,1,0,0,1,1,1,1,1,2,3} | TOTAL COINS: 21 (Alternating DOWN     |
| 1,1,1,2,3,2,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2181 | Coins collected{0,0,0,0,9,1,0,0,1,0,9,9,7,1,3} | TOTAL COINS: 40 (Alternating RIGHT    |
| 1,1,1,3,3,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2182 | Coins collected{0,0,0,0,9,1,1,0,0,0,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT    |
| 2,2,1,1,1,3,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2183 | Coins collected{0,1,0,0,9,1,0,0,0,0,1,9,7,2,3} | TOTAL COINS: 33 (Alternating DOWN     |
| 1,1,2,1,1,1,1,2,1,3<br>=> RIGHT => DOWN ..... | Subset: 2184 | Coins collected{0,1,0,0,0,1,1,0,3,2,9,6,2,1,3} | TOTAL COINS: 29 (Alternating DOWN     |
| 1,2,1,2,2,1,1,3,1<br>=> RIGHT => DOWN .....   | Subset: 2185 | Coins collected{0,1,0,0,9,0,9,0,0,0,9,9,7,2,3} | TOTAL COINS: 49 (Alternating DOWN     |
| 1,2,1,1,1,1,1,4,2<br>=> RIGHT => DOWN .....   | Subset: 2186 | Coins collected{0,1,0,0,9,0,0,0,0,0,1,1,1,2,3} | TOTAL COINS: 18 (Alternating DOWN     |
| 1,1,1,2,1,2,2,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2187 | Coins collected{0,0,0,0,9,1,0,0,3,2,9,6,2,1,3} | TOTAL COINS: 36 (Alternating RIGHT    |
| 3,2,1,1,2,2,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2188 | Coins collected{0,0,0,6,0,0,9,0,1,1,1,9,7,1,3} | TOTAL COINS: 38 (Alternating RIGHT    |
| 1,5,1,1,2,1,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2189 | Coins collected{0,1,0,0,0,0,0,4,1,1,1,1,7,2,3} | TOTAL COINS: 21 (Alternating DOWN     |
| 1,1,1,1,1,2,2,4,1<br>=> RIGHT => DOWN .....   | Subset: 2190 | Coins collected{0,1,0,0,9,1,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 43 (Alternating DOWN     |
| 3,1,1,4,1,2,1,1<br>RIGHT => DOWN .....        | Subset: 2191 | Coins collected{0,1,0,0,0,0,1,0,0,0,9,9,7,1,3} | TOTAL COINS: 31 (Alternating DOWN =>  |
| 1,3,3,1,1,1,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2192 | Coins collected{0,0,0,0,0,1,0,0,0,0,9,9,7,1,3} | TOTAL COINS: 30 (Alternating RIGHT    |
| 1,1,3,1,2,3,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2193 | Coins collected{0,0,0,0,0,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT    |
| 1,2,1,1,2,1,1,2,3<br>=> DOWN => RIGHT.....)   | Subset: 2194 | Coins collected{0,0,0,0,9,1,0,0,0,0,9,6,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT    |
| 1,2,1,1,1,2,2,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2195 | Coins collected{0,0,0,0,9,1,0,0,3,2,9,6,2,1,3} | TOTAL COINS: 36 (Alternating RIGHT    |

|                                                               |                                                |                                       |
|---------------------------------------------------------------|------------------------------------------------|---------------------------------------|
| 1,1,3,2,1,1,2,2,1    Subset: 2196<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,9,0,1,0,1,1,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT    |
| 2,1,1,1,1,1,2,3,2    Subset: 2197<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,9,0,1,1,1,9,2,1,3} | TOTAL COINS: 27 (Alternating RIGHT    |
| 1,1,1,1,2,2,2,2,2    Subset: 2198<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,9,0,0,1,9,2,1,3}   | TOTAL COINS: 34 (Alternating RIGHT    |
| 2,2,1,2,1,1,1,3,1    Subset: 2199<br>=> RIGHT => DOWN .....   | Coins collected{0,1,0,0,9,1,0,0,0,9,9,7,2,3}   | TOTAL COINS: 41 (Alternating DOWN     |
| 1,1,1,3,1,1,1,3,2    Subset: 2200<br>=> RIGHT => DOWN .....   | Coins collected{0,1,0,0,9,0,9,0,1,0,1,1,1,2,3} | TOTAL COINS: 28 (Alternating DOWN     |
| 1,1,2,3,1,1,3,1,1    Subset: 2201<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,0,0,2,9,9,7,1,3}   | TOTAL COINS: 31 (Alternating RIGHT    |
| 3,1,1,1,2,3,1,1,1    Subset: 2202<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,6,0,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 42 (Alternating RIGHT    |
| 1,2,2,1,1,1,2,2,2    Subset: 2203<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,0,1,9,2,1,3}   | TOTAL COINS: 25 (Alternating RIGHT    |
| 1,2,1,4,1,1,2,1,1    Subset: 2204<br>=> RIGHT => DOWN .....   | Coins collected{0,1,0,0,9,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 47 (Alternating DOWN     |
| 1,1,1,2,1,3,2,2,1    Subset: 2205<br>=> RIGHT => DOWN .....   | Coins collected{0,1,0,0,9,0,0,0,1,1,1,9,7,2,3} | TOTAL COINS: 34 (Alternating DOWN     |
| 2,1,2,1,1,1,2,3,1    Subset: 2206<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT    |
| 1,1,2,2,1,1,1,3,1,1    Subset: 2207<br>=> RIGHT => DOWN ..... | Coins collected{0,1,0,0,0,1,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 33 (Alternating DOWN     |
| 1,2,1,2,4,1,1,1,1    Subset: 2208<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,1,1,0,0,0,1,9,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT    |
| 2,1,2,1,3,3,1,1    Subset: 2209<br>DOWN => RIGHT.....)        | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 37 (Alternating RIGHT => |
| 1,1,2,2,1,1,1,4,1    Subset: 2210<br>=> RIGHT => DOWN .....   | Coins collected{0,1,0,0,0,1,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 34 (Alternating DOWN     |
| 3,2,2,1,1,2,1,1,1    Subset: 2211<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,6,0,0,9,4,1,1,1,9,7,1,3} | TOTAL COINS: 42 (Alternating RIGHT    |
| 5,2,1,1,1,2,1,1    Subset: 2212<br>DOWN => RIGHT.....)        | Coins collected{0,0,0,6,0,0,0,4,1,1,9,1,7,2,3} | TOTAL COINS: 34 (Alternating RIGHT => |
| 1,1,1,3,1,1,4,1,1    Subset: 2213<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,1,1,0,3,2,9,9,7,1,3} | TOTAL COINS: 45 (Alternating RIGHT    |
| 2,3,1,1,1,3,1,1,1    Subset: 2214<br>=> RIGHT => DOWN .....   | Coins collected{0,1,0,0,9,0,0,0,0,1,1,7,2,3}   | TOTAL COINS: 24 (Alternating DOWN     |
| 4,1,1,2,1,2,1,1,1    Subset: 2215<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,6,0,0,0,4,1,1,1,9,7,1,3} | TOTAL COINS: 33 (Alternating RIGHT    |
| 1,1,1,1,1,3,1,1,4    Subset: 2216<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,9,0,0,0,3,2,7,6,2,1,3} | TOTAL COINS: 33 (Alternating RIGHT    |
| 3,1,3,1,1,2,1,2    Subset: 2217<br>DOWN => RIGHT.....)        | Coins collected{0,0,0,6,0,0,0,0,1,1,9,1,1,2,3} | TOTAL COINS: 24 (Alternating RIGHT => |
| 2,1,2,1,1,3,2,1,1    Subset: 2218<br>=> DOWN => RIGHT.....)   | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 43 (Alternating RIGHT    |



|                                             |              |                                                |                                       |
|---------------------------------------------|--------------|------------------------------------------------|---------------------------------------|
| 2,1,2,2,1,2,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2219 | Coins collected{0,0,0,0,0,0,9,0,1,0,9,9,2,1,3} | TOTAL COINS: 34 (Alternating RIGHT    |
| 2,1,2,1,2,2,1,2,1<br>=> DOWN => RIGHT.....) | Subset: 2220 | Coins collected{0,0,0,0,0,0,9,4,1,1,1,1,7,1,3} | TOTAL COINS: 28 (Alternating RIGHT    |
| 1,3,1,3,2,1,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2221 | Coins collected{0,1,0,0,0,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 30 (Alternating DOWN     |
| 1,2,5,2,1,1,1,1<br>DOWN => RIGHT.....)      | Subset: 2222 | Coins collected{0,0,0,0,9,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 38 (Alternating RIGHT => |
| 2,5,1,1,1,1,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2223 | Coins collected{0,1,0,0,9,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 39 (Alternating DOWN     |
| 1,1,1,2,2,2,1,1,3<br>=> DOWN => RIGHT.....) | Subset: 2224 | Coins collected{0,0,0,0,9,1,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 33 (Alternating RIGHT    |
| 1,3,1,1,1,1,2,1,3<br>=> DOWN => RIGHT.....) | Subset: 2225 | Coins collected{0,0,0,0,0,1,1,0,3,2,9,6,2,1,3} | TOTAL COINS: 28 (Alternating RIGHT    |
| 1,4,1,1,1,2,1,1,2<br>=> RIGHT => DOWN ..... | Subset: 2226 | Coins collected{0,1,0,0,0,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 32 (Alternating DOWN     |
| 1,1,1,4,2,1,1,2,1<br>=> RIGHT => DOWN ..... | Subset: 2227 | Coins collected{0,1,0,0,9,0,9,4,1,0,1,9,7,2,3} | TOTAL COINS: 46 (Alternating DOWN     |
| 1,3,1,1,2,1,2,1,2<br>=> DOWN => RIGHT.....) | Subset: 2228 | Coins collected{0,0,0,0,0,1,1,0,0,2,9,9,2,1,3} | TOTAL COINS: 28 (Alternating RIGHT    |
| 2,2,2,1,1,2,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2229 | Coins collected{0,0,0,0,9,0,9,0,1,0,9,9,7,1,3} | TOTAL COINS: 48 (Alternating RIGHT    |
| 1,1,1,1,2,1,3,3,1<br>=> DOWN => RIGHT.....) | Subset: 2230 | Coins collected{0,0,0,0,9,0,9,0,1,1,9,1,7,1,3} | TOTAL COINS: 41 (Alternating RIGHT    |
| 1,1,1,1,1,2,1,4,2<br>=> RIGHT => DOWN ..... | Subset: 2231 | Coins collected{0,1,0,0,9,1,0,0,0,0,1,1,1,2,3} | TOTAL COINS: 19 (Alternating DOWN     |
| 1,1,2,2,3,2,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2232 | Coins collected{0,0,0,0,0,0,0,0,1,1,1,9,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT    |
| 1,1,3,1,1,3,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2233 | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 43 (Alternating RIGHT    |
| 2,1,1,1,1,2,1,2,3<br>=> DOWN => RIGHT.....) | Subset: 2234 | Coins collected{0,0,0,0,0,0,9,0,0,0,9,6,2,1,3} | TOTAL COINS: 30 (Alternating RIGHT    |
| 1,3,1,1,1,1,3,1,2<br>=> DOWN => RIGHT.....) | Subset: 2235 | Coins collected{0,0,0,0,0,1,1,0,3,2,9,9,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT    |
| 1,5,1,1,1,1,2,1,1<br>=> RIGHT => DOWN ..... | Subset: 2236 | Coins collected{0,1,0,0,0,0,0,4,1,1,9,1,7,2,3} | TOTAL COINS: 29 (Alternating DOWN     |
| 2,1,1,4,1,2,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2237 | Coins collected{0,1,0,0,0,1,0,0,1,0,1,1,7,2,3} | TOTAL COINS: 17 (Alternating DOWN     |
| 2,2,1,1,1,1,3,2,1<br>=> DOWN => RIGHT.....) | Subset: 2238 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,1,7,1,3} | TOTAL COINS: 22 (Alternating RIGHT    |
| 1,1,2,1,1,3,2,1,2<br>=> DOWN => RIGHT.....) | Subset: 2239 | Coins collected{0,0,0,0,0,0,9,0,0,2,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT    |
| 1,4,1,1,1,1,2,2,1<br>=> RIGHT => DOWN ..... | Subset: 2240 | Coins collected{0,1,0,0,0,0,9,4,1,1,1,9,7,2,3} | TOTAL COINS: 38 (Alternating DOWN     |
| 3,1,1,1,2,1,1,3,1<br>=> DOWN => RIGHT.....) | Subset: 2241 | Coins collected{0,0,0,0,6,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 42 (Alternating RIGHT    |

|                                  |                                                |                                                           |
|----------------------------------|------------------------------------------------|-----------------------------------------------------------|
| 2,1,3,3,2,1,1,1 Subset: 2242     | Coins collected{0,0,0,0,0,0,4,1,0,1,1,7,2,3}   | TOTAL COINS: 19 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,2,1,1,3,2,1 Subset: 2243   | Coins collected{0,0,0,0,0,0,0,0,0,1,1,7,1,3}   | TOTAL COINS: 13 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,1,2,3,2,1,1 Subset: 2244   | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 43 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,3,1,1,1,2,1,2,1 Subset: 2245   | Coins collected{0,1,0,0,9,0,0,0,0,1,9,7,2,3}   | TOTAL COINS: 32 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,2,2,2,3,1,1 Subset: 2246   | Coins collected{0,0,0,0,9,1,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 41 (Alternating RIGHT => DOWN => RIGHT.....) |
| 3,1,1,2,2,1,1,2,1 Subset: 2247   | Coins collected{0,0,0,6,0,0,9,0,1,1,1,1,7,1,3} | TOTAL COINS: 30 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,3,1,1,1,2,1,1,1,1 Subset: 2248 | Coins collected{0,1,0,0,0,0,9,0,1,1,1,1,7,2,3} | TOTAL COINS: 26 (Alternating DOWN => RIGHT => DOWN .....  |
| 2,1,1,1,1,5,1,1,1 Subset: 2249   | Coins collected{0,1,0,0,0,1,1,0,0,0,1,1,7,2,3} | TOTAL COINS: 17 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,3,1,1,2,3,1,1,1 Subset: 2250   | Coins collected{0,1,0,0,0,0,9,0,0,0,1,1,7,2,3} | TOTAL COINS: 24 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,1,1,4,2,2,1 Subset: 2251   | Coins collected{0,1,0,0,9,1,0,0,1,1,1,9,7,2,3} | TOTAL COINS: 35 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,2,1,3,1,2,2 Subset: 2252   | Coins collected{0,1,0,0,9,0,0,0,1,1,1,1,1,2,3} | TOTAL COINS: 20 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,1,3,2,2,1,1,1,1 Subset: 2253 | Coins collected{0,1,0,0,9,0,9,0,0,0,1,9,7,1,3} | TOTAL COINS: 40 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,2,1,2,2,3,1,1,1 Subset: 2254   | Coins collected{0,1,0,0,9,0,9,0,0,0,1,1,7,2,3} | TOTAL COINS: 33 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,2,2,1,1,3,2,1 Subset: 2255   | Coins collected{0,0,0,0,0,0,0,0,0,0,1,1,7,1,3} | TOTAL COINS: 13 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,2,3,1,1,1,1,1 Subset: 2256 | Coins collected{0,0,0,0,0,0,0,0,1,1,1,1,7,2,3} | TOTAL COINS: 16 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,1,1,2,3,1,1,2,1 Subset: 2257   | Coins collected{0,0,0,0,0,0,0,0,0,1,1,1,7,1,3} | TOTAL COINS: 15 (Alternating RIGHT => DOWN => RIGHT.....) |
| 3,2,1,2,2,1,1,1,1 Subset: 2258   | Coins collected{0,0,0,6,0,0,9,0,0,0,1,9,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,2,1,1,1,4,1,1,2 Subset: 2259   | Coins collected{0,1,0,0,9,0,0,0,1,1,9,1,1,2,3} | TOTAL COINS: 28 (Alternating DOWN => RIGHT => DOWN .....  |
| 2,2,2,1,1,1,2,1,1,1 Subset: 2260 | Coins collected{0,0,0,0,9,0,9,0,1,0,1,1,7,2,3} | TOTAL COINS: 33 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,3,4,1,1,1,2 Subset: 2261     | Coins collected{0,1,0,0,0,0,1,0,0,0,9,9,2,1,3} | TOTAL COINS: 26 (Alternating DOWN => RIGHT => DOWN .....  |
| 1,1,2,2,1,1,3,1,1,1 Subset: 2262 | Coins collected{0,0,0,0,0,0,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 14 (Alternating RIGHT => DOWN => RIGHT.....) |
| 2,2,1,1,1,2,1,1,3 Subset: 2263   | Coins collected{0,0,0,0,9,0,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 32 (Alternating RIGHT => DOWN => RIGHT.....) |
| 1,1,1,3,1,3,2,1,1 Subset: 2264   | Coins collected{0,1,0,0,9,0,9,0,1,1,9,1,7,2,3} | TOTAL COINS: 43 (Alternating DOWN => RIGHT => DOWN .....  |

|                                               |              |                                                |                                    |
|-----------------------------------------------|--------------|------------------------------------------------|------------------------------------|
| 1,2,1,1,1,3,1,2,2<br>=> RIGHT => DOWN .....   | Subset: 2265 | Coins collected{0,1,0,0,9,0,0,0,1,1,1,1,1,2,3} | TOTAL COINS: 20 (Alternating DOWN  |
| 2,1,3,2,1,1,1,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2266 | Coins collected{0,0,0,0,0,0,0,4,1,1,1,1,7,1,3} | TOTAL COINS: 19 (Alternating RIGHT |
| 1,3,2,2,1,2,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2267 | Coins collected{0,1,0,0,0,0,0,0,1,0,1,1,7,2,3} | TOTAL COINS: 16 (Alternating DOWN  |
| 1,2,1,1,3,1,2,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2268 | Coins collected{0,0,0,0,9,1,0,0,1,0,1,1,7,1,3} | TOTAL COINS: 24 (Alternating RIGHT |
| 2,1,1,3,1,1,2,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2269 | Coins collected{0,0,0,0,0,0,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT |
| 1,3,1,3,1,1,1,1,2<br>=> RIGHT => DOWN .....   | Subset: 2270 | Coins collected{0,1,0,0,0,0,9,4,1,1,9,1,1,2,3} | TOTAL COINS: 32 (Alternating DOWN  |
| 1,3,4,1,1,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2271 | Coins collected{0,0,0,0,0,1,0,0,1,0,1,9,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT |
| 1,2,3,1,1,2,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2272 | Coins collected{0,0,0,0,9,0,9,0,1,0,9,9,7,1,3} | TOTAL COINS: 48 (Alternating RIGHT |
| 1,2,3,2,1,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2273 | Coins collected{0,0,0,0,9,0,9,0,0,0,9,9,2,1,3} | TOTAL COINS: 42 (Alternating RIGHT |
| 2,3,1,3,1,1,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2274 | Coins collected{0,1,0,0,9,0,0,0,1,1,1,1,7,2,3} | TOTAL COINS: 26 (Alternating DOWN  |
| 2,2,1,1,1,1,3,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2275 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,1,7,2,3} | TOTAL COINS: 23 (Alternating RIGHT |
| 2,2,3,2,1,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2276 | Coins collected{0,0,0,0,9,0,9,4,1,0,1,9,7,1,3} | TOTAL COINS: 44 (Alternating RIGHT |
| 1,3,1,1,1,2,1,2,2<br>=> RIGHT => DOWN .....   | Subset: 2277 | Coins collected{0,1,0,0,0,0,9,0,1,1,1,1,1,2,3} | TOTAL COINS: 20 (Alternating DOWN  |
| 1,2,1,1,1,1,1,3,2,1<br>=> RIGHT => DOWN ..... | Subset: 2278 | Coins collected{0,1,0,0,9,0,0,0,0,0,1,1,7,1,3} | TOTAL COINS: 23 (Alternating DOWN  |
| 2,2,1,1,3,1,1,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2279 | Coins collected{0,0,0,0,9,0,0,0,1,1,1,1,7,1,3} | TOTAL COINS: 24 (Alternating RIGHT |
| 3,2,1,2,1,1,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2280 | Coins collected{0,0,0,6,0,0,9,0,0,0,9,9,7,1,3} | TOTAL COINS: 44 (Alternating RIGHT |
| 2,2,3,1,1,1,1,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2281 | Coins collected{0,0,0,0,9,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 38 (Alternating RIGHT |
| 3,1,2,1,1,1,1,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2282 | Coins collected{0,0,0,6,0,0,0,4,1,1,9,1,1,2,3} | TOTAL COINS: 28 (Alternating RIGHT |
| 2,2,1,2,2,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2283 | Coins collected{0,0,0,0,9,0,0,0,0,0,9,9,2,1,3} | TOTAL COINS: 33 (Alternating RIGHT |
| 3,1,2,2,1,1,1,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2284 | Coins collected{0,0,0,6,0,0,0,4,1,1,1,1,7,1,3} | TOTAL COINS: 25 (Alternating RIGHT |
| 1,1,1,2,3,2,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2285 | Coins collected{0,0,0,0,9,1,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT |
| 1,2,1,2,2,2,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2286 | Coins collected{0,1,0,0,9,0,9,0,0,0,1,9,7,2,3} | TOTAL COINS: 41 (Alternating DOWN  |
| 1,1,2,1,3,2,1,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2287 | Coins collected{0,0,0,0,0,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 29 (Alternating RIGHT |

|                                               |              |                                                |                                    |
|-----------------------------------------------|--------------|------------------------------------------------|------------------------------------|
| 2,2,1,1,2,1,2,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2288 | Coins collected{0,0,0,0,9,0,0,0,1,0,1,1,7,1,3} | TOTAL COINS: 23 (Alternating RIGHT |
| 3,2,2,1,1,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2289 | Coins collected{0,0,0,6,0,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 35 (Alternating RIGHT |
| 2,1,1,3,1,1,1,1,2<br>=> RIGHT => DOWN .....   | Subset: 2290 | Coins collected{0,1,0,0,0,1,0,0,0,9,9,2,1,3}   | TOTAL COINS: 26 (Alternating DOWN  |
| 2,2,2,1,1,1,2,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2291 | Coins collected{0,0,0,0,9,0,9,0,1,0,1,1,7,1,3} | TOTAL COINS: 32 (Alternating RIGHT |
| 1,2,1,2,1,1,1,3,2<br>=> RIGHT => DOWN .....   | Subset: 2292 | Coins collected{0,1,0,0,9,0,9,0,1,0,1,1,1,2,3} | TOTAL COINS: 28 (Alternating DOWN  |
| 1,1,1,1,1,1,2,2,3,1<br>=> DOWN => RIGHT.....) | Subset: 2293 | Coins collected{0,0,0,0,9,0,0,0,1,0,9,9,7,2,3} | TOTAL COINS: 40 (Alternating RIGHT |
| 1,2,1,2,1,1,4,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2294 | Coins collected{0,0,0,0,9,1,1,0,3,2,9,9,7,1,3} | TOTAL COINS: 45 (Alternating RIGHT |
| 2,1,1,1,2,3,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2295 | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,2,1,3} | TOTAL COINS: 38 (Alternating RIGHT |
| 1,1,2,2,2,2,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2296 | Coins collected{0,0,0,0,0,0,0,0,1,0,9,9,7,1,3} | TOTAL COINS: 30 (Alternating RIGHT |
| 4,2,1,2,1,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2297 | Coins collected{0,0,0,6,0,0,9,4,1,0,1,9,7,1,3} | TOTAL COINS: 41 (Alternating RIGHT |
| 1,1,2,1,1,2,3,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2298 | Coins collected{0,0,0,0,0,0,9,0,0,0,1,1,7,1,3} | TOTAL COINS: 22 (Alternating RIGHT |
| 1,1,2,2,1,1,2,2,2<br>=> DOWN => RIGHT.....)   | Subset: 2299 | Coins collected{0,0,0,0,0,0,0,0,0,1,9,2,1,3}   | TOTAL COINS: 16 (Alternating RIGHT |
| 1,1,1,1,2,4,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2300 | Coins collected{0,1,0,0,9,1,1,0,0,0,1,9,7,2,3} | TOTAL COINS: 34 (Alternating DOWN  |
| 1,4,2,1,1,1,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2301 | Coins collected{0,1,0,0,0,0,9,0,1,0,1,9,7,2,3} | TOTAL COINS: 33 (Alternating DOWN  |
| 1,1,4,2,1,2,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2302 | Coins collected{0,0,0,0,0,0,0,4,1,1,1,9,7,1,3} | TOTAL COINS: 27 (Alternating RIGHT |
| 1,3,1,1,2,1,1,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2303 | Coins collected{0,0,0,0,0,1,1,0,0,2,9,6,2,1,3} | TOTAL COINS: 25 (Alternating RIGHT |
| 1,2,2,2,3,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2304 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,9,7,1,3} | TOTAL COINS: 30 (Alternating RIGHT |
| 3,1,2,2,1,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2305 | Coins collected{0,0,0,6,0,0,0,4,1,1,1,1,7,2,3} | TOTAL COINS: 26 (Alternating RIGHT |
| 2,1,1,1,1,1,3,1,1,2<br>=> DOWN => RIGHT.....) | Subset: 2306 | Coins collected{0,0,0,0,0,0,9,0,1,1,9,1,1,2,3} | TOTAL COINS: 27 (Alternating RIGHT |
| 1,1,1,4,2,2,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2307 | Coins collected{0,1,0,0,9,0,9,4,1,0,1,1,7,2,3} | TOTAL COINS: 38 (Alternating DOWN  |
| 1,1,1,1,2,1,1,5,1<br>=> RIGHT => DOWN .....   | Subset: 2308 | Coins collected{0,1,0,0,9,1,1,0,3,2,9,9,7,2,3} | TOTAL COINS: 47 (Alternating DOWN  |
| 1,1,1,1,3,2,2,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2309 | Coins collected{0,0,0,0,9,0,9,4,1,0,1,1,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT |
| 2,1,1,1,2,1,2,3,1<br>=> DOWN => RIGHT.....)   | Subset: 2310 | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT |

|                                               |              |                                                |                                    |
|-----------------------------------------------|--------------|------------------------------------------------|------------------------------------|
| 2,1,1,2,1,1,1,3,1,1<br>=> RIGHT => DOWN ..... | Subset: 2311 | Coins collected{0,1,0,0,0,1,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 33 (Alternating DOWN  |
| 1,1,1,1,3,1,2,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2312 | Coins collected{0,0,0,0,9,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 46 (Alternating RIGHT |
| 1,2,1,2,1,1,1,1,4<br>=> DOWN => RIGHT.....)   | Subset: 2313 | Coins collected{0,0,0,0,9,1,1,0,3,2,7,6,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT |
| 1,2,1,2,2,1,1,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2314 | Coins collected{0,0,0,0,9,1,1,0,0,2,9,6,2,1,3} | TOTAL COINS: 34 (Alternating RIGHT |
| 1,2,3,2,1,1,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2315 | Coins collected{0,0,0,0,9,0,9,0,0,9,9,7,1,3}   | TOTAL COINS: 47 (Alternating RIGHT |
| 1,3,1,1,3,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2316 | Coins collected{0,0,0,0,0,1,1,0,0,0,9,9,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT |
| 2,3,1,1,1,1,2,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2317 | Coins collected{0,0,0,0,9,1,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 36 (Alternating RIGHT |
| 1,1,1,2,1,1,2,3,1,1<br>=> RIGHT => DOWN ..... | Subset: 2318 | Coins collected{0,1,0,0,9,0,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 41 (Alternating DOWN  |
| 1,1,1,2,2,1,1,2,1,2<br>=> RIGHT => DOWN ..... | Subset: 2319 | Coins collected{0,1,0,0,9,0,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 36 (Alternating DOWN  |
| 1,2,1,1,1,1,3,2,2<br>=> DOWN => RIGHT.....)   | Subset: 2320 | Coins collected{0,0,0,0,9,1,0,0,0,0,1,9,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT |
| 1,1,2,1,1,1,1,4,1,1<br>=> RIGHT => DOWN ..... | Subset: 2321 | Coins collected{0,1,0,0,0,1,1,0,3,2,9,9,7,1,3} | TOTAL COINS: 37 (Alternating DOWN  |
| 1,3,2,1,1,2,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2322 | Coins collected{0,1,0,0,0,0,0,0,0,1,9,7,2,3}   | TOTAL COINS: 23 (Alternating DOWN  |
| 1,2,2,4,1,1,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2323 | Coins collected{0,1,0,0,9,1,0,0,1,1,1,1,7,2,3} | TOTAL COINS: 27 (Alternating DOWN  |
| 1,3,1,1,1,2,2,2,1<br>=> RIGHT => DOWN .....   | Subset: 2324 | Coins collected{0,1,0,0,0,0,9,0,1,1,1,9,7,2,3} | TOTAL COINS: 34 (Alternating DOWN  |
| 2,1,3,1,1,1,1,3,1<br>=> DOWN => RIGHT.....)   | Subset: 2325 | Coins collected{0,0,0,0,0,0,0,4,1,1,9,1,7,1,3} | TOTAL COINS: 27 (Alternating RIGHT |
| 1,2,1,2,1,1,2,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2326 | Coins collected{0,0,0,0,9,1,1,0,3,2,9,6,2,1,3} | TOTAL COINS: 37 (Alternating RIGHT |
| 1,2,3,1,1,1,1,2,2<br>=> DOWN => RIGHT.....)   | Subset: 2327 | Coins collected{0,0,0,0,9,0,9,0,1,0,1,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT |
| 1,1,1,1,3,2,1,2,2<br>=> DOWN => RIGHT.....)   | Subset: 2328 | Coins collected{0,0,0,0,9,0,9,4,1,0,1,9,2,1,3} | TOTAL COINS: 39 (Alternating RIGHT |
| 3,1,1,1,1,3,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2329 | Coins collected{0,0,0,6,0,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 49 (Alternating RIGHT |
| 1,1,1,1,1,4,1,1,2,1<br>=> RIGHT => DOWN ..... | Subset: 2330 | Coins collected{0,1,0,0,9,1,0,0,1,1,1,1,7,1,3} | TOTAL COINS: 26 (Alternating DOWN  |
| 1,1,1,1,3,3,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2331 | Coins collected{0,0,0,0,9,0,9,4,1,0,9,9,2,1,3} | TOTAL COINS: 47 (Alternating RIGHT |
| 1,1,1,2,1,3,2,1,1,1<br>=> RIGHT => DOWN ..... | Subset: 2332 | Coins collected{0,1,0,0,9,0,0,0,1,1,1,9,7,1,3} | TOTAL COINS: 33 (Alternating DOWN  |
| 1,1,1,2,2,1,1,4,1<br>=> RIGHT => DOWN .....   | Subset: 2333 | Coins collected{0,1,0,0,9,0,0,0,0,2,9,9,7,2,3} | TOTAL COINS: 42 (Alternating DOWN  |

|                                               |              |                                                |                                    |
|-----------------------------------------------|--------------|------------------------------------------------|------------------------------------|
| 2,1,1,3,2,1,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2334 | Coins collected{0,0,0,0,0,0,0,0,9,9,7,1,3}     | TOTAL COINS: 29 (Alternating RIGHT |
| 2,1,1,3,1,2,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2335 | Coins collected{0,1,0,0,0,1,0,0,0,1,9,7,1,3}   | TOTAL COINS: 23 (Alternating DOWN  |
| 1,1,1,2,2,4,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2336 | Coins collected{0,1,0,0,9,0,0,0,0,1,1,7,2,3}   | TOTAL COINS: 24 (Alternating DOWN  |
| 2,2,2,1,1,2,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2337 | Coins collected{0,0,0,0,9,0,9,0,1,0,9,9,2,1,3} | TOTAL COINS: 43 (Alternating RIGHT |
| 2,1,3,1,1,3,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2338 | Coins collected{0,0,0,0,0,0,0,4,1,1,1,9,7,1,3} | TOTAL COINS: 27 (Alternating RIGHT |
| 2,1,1,1,3,1,1,3,1<br>=> DOWN => RIGHT.....)   | Subset: 2339 | Coins collected{0,0,0,0,0,0,9,4,1,1,9,1,7,1,3} | TOTAL COINS: 36 (Alternating RIGHT |
| 2,1,2,1,2,2,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2340 | Coins collected{0,0,0,0,0,0,9,4,1,1,1,1,7,2,3} | TOTAL COINS: 29 (Alternating RIGHT |
| 1,1,1,1,2,2,1,2,1,2<br>=> RIGHT => DOWN ..... | Subset: 2341 | Coins collected{0,1,0,0,9,1,1,0,0,2,9,9,2,1,3} | TOTAL COINS: 38 (Alternating DOWN  |
| 1,2,3,2,2,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2342 | Coins collected{0,0,0,0,9,0,9,0,0,0,1,9,7,1,3} | TOTAL COINS: 39 (Alternating RIGHT |
| 1,1,1,1,1,2,3,2,2<br>=> DOWN => RIGHT.....)   | Subset: 2343 | Coins collected{0,0,0,0,9,0,0,0,0,0,1,9,2,1,3} | TOTAL COINS: 25 (Alternating RIGHT |
| 1,1,1,2,1,2,2,2,1,1<br>=> RIGHT => DOWN ..... | Subset: 2344 | Coins collected{0,1,0,0,9,0,0,0,1,0,9,9,7,1,3} | TOTAL COINS: 40 (Alternating DOWN  |
| 2,2,1,1,2,1,1,2,2<br>=> DOWN => RIGHT.....)   | Subset: 2345 | Coins collected{0,0,0,0,9,0,0,0,1,0,1,9,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT |
| 1,2,1,1,3,2,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2346 | Coins collected{0,0,0,0,9,1,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT |
| 2,2,1,1,1,2,2,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2347 | Coins collected{0,0,0,0,9,0,0,0,0,2,9,9,2,1,3} | TOTAL COINS: 35 (Alternating RIGHT |
| 2,3,1,1,2,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2348 | Coins collected{0,0,0,0,9,1,0,0,0,0,9,9,2,1,3} | TOTAL COINS: 34 (Alternating RIGHT |
| 1,2,1,2,1,2,1,2,2<br>=> RIGHT => DOWN .....   | Subset: 2349 | Coins collected{0,1,0,0,9,0,9,0,1,1,1,1,1,2,3} | TOTAL COINS: 29 (Alternating DOWN  |
| 1,1,3,3,2,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2350 | Coins collected{0,0,0,0,0,0,9,0,0,0,1,9,7,1,3} | TOTAL COINS: 30 (Alternating RIGHT |
| 1,2,1,1,1,3,2,2,1<br>=> RIGHT => DOWN .....   | Subset: 2351 | Coins collected{0,1,0,0,9,0,0,0,1,1,1,9,7,2,3} | TOTAL COINS: 34 (Alternating DOWN  |
| 1,1,2,4,1,2,1,1,1<br>=> RIGHT => DOWN .....   | Subset: 2352 | Coins collected{0,1,0,0,0,1,0,0,1,0,1,1,7,2,3} | TOTAL COINS: 17 (Alternating DOWN  |
| 1,1,4,1,1,1,1,2,1,1<br>=> DOWN => RIGHT.....) | Subset: 2353 | Coins collected{0,0,0,0,0,0,0,4,1,1,9,1,7,2,3} | TOTAL COINS: 28 (Alternating RIGHT |
| 1,2,1,1,2,2,1,3,1<br>=> RIGHT => DOWN .....   | Subset: 2354 | Coins collected{0,1,0,0,9,0,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 40 (Alternating DOWN  |
| 1,3,1,1,2,2,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2355 | Coins collected{0,1,0,0,0,0,9,0,0,0,1,9,7,2,3} | TOTAL COINS: 32 (Alternating DOWN  |
| 4,1,1,2,1,1,1,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2356 | Coins collected{0,0,0,6,0,0,0,4,1,1,1,1,7,2,3} | TOTAL COINS: 26 (Alternating RIGHT |

|                                               |              |                                                |                                    |
|-----------------------------------------------|--------------|------------------------------------------------|------------------------------------|
| 2,3,1,1,1,1,3,1<br>=> RIGHT => DOWN .....     | Subset: 2357 | Coins collected{0,1,0,0,9,0,0,0,0,9,9,7,2,3}   | TOTAL COINS: 40 (Alternating DOWN  |
| 1,1,1,2,1,2,3,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2358 | Coins collected{0,0,0,0,9,1,0,0,3,2,9,9,2,1,3} | TOTAL COINS: 39 (Alternating RIGHT |
| 3,3,1,1,1,1,2,1,1<br>=> DOWN => RIGHT.....)   | Subset: 2359 | Coins collected{0,0,0,6,0,0,0,0,0,9,9,7,1,3}   | TOTAL COINS: 35 (Alternating RIGHT |
| 2,1,2,1,1,2,2,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2360 | Coins collected{0,0,0,0,0,0,9,4,1,0,1,1,7,2,3} | TOTAL COINS: 28 (Alternating RIGHT |
| 2,1,1,2,1,1,1,2,3<br>=> DOWN => RIGHT.....)   | Subset: 2361 | Coins collected{0,0,0,0,0,0,0,0,0,9,6,2,1,3}   | TOTAL COINS: 21 (Alternating RIGHT |
| 1,1,1,2,3,1,2,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2362 | Coins collected{0,0,0,0,9,1,0,0,1,0,1,1,7,1,3} | TOTAL COINS: 24 (Alternating RIGHT |
| 1,3,1,1,1,3,1,1,2<br>=> RIGHT => DOWN .....   | Subset: 2363 | Coins collected{0,1,0,0,0,0,9,0,1,1,9,1,1,2,3} | TOTAL COINS: 28 (Alternating DOWN  |
| 1,1,1,1,1,2,2,1,3,1<br>=> DOWN => RIGHT.....) | Subset: 2364 | Coins collected{0,0,0,0,9,0,0,0,0,0,9,9,7,2,3} | TOTAL COINS: 39 (Alternating RIGHT |
| 1,2,1,1,2,2,1,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2365 | Coins collected{0,0,0,0,9,1,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 33 (Alternating RIGHT |
| 2,3,1,1,1,1,1,1,3<br>=> DOWN => RIGHT.....)   | Subset: 2366 | Coins collected{0,0,0,0,9,1,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 33 (Alternating RIGHT |
| 1,1,4,1,1,1,1,3,1<br>=> DOWN => RIGHT.....)   | Subset: 2367 | Coins collected{0,0,0,0,0,0,0,4,1,1,9,1,7,1,3} | TOTAL COINS: 27 (Alternating RIGHT |
| 1,1,1,5,1,1,2,1,1<br>=> RIGHT => DOWN .....   | Subset: 2368 | Coins collected{0,1,0,0,9,0,9,4,1,1,9,1,7,2,3} | TOTAL COINS: 47 (Alternating DOWN  |
| 1,1,1,1,2,2,3,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2369 | Coins collected{0,0,0,0,9,0,9,0,0,0,1,1,7,1,3} | TOTAL COINS: 31 (Alternating RIGHT |
| 1,2,1,1,2,3,1,2,1<br>=> RIGHT => DOWN .....   | Subset: 2370 | Coins collected{0,1,0,0,9,0,0,0,0,0,1,9,7,2,3} | TOTAL COINS: 32 (Alternating DOWN  |
| 1,1,3,2,1,1,2,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2371 | Coins collected{0,0,0,0,0,0,9,0,1,0,1,1,7,2,3} | TOTAL COINS: 24 (Alternating RIGHT |
| 1,1,2,1,1,1,1,3,1,2<br>=> RIGHT => DOWN ..... | Subset: 2372 | Coins collected{0,1,0,0,0,1,1,0,3,2,9,9,2,1,3} | TOTAL COINS: 32 (Alternating DOWN  |
| 1,2,1,1,3,1,2,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2373 | Coins collected{0,0,0,0,9,1,0,0,1,0,1,1,7,2,3} | TOTAL COINS: 25 (Alternating RIGHT |
| 2,1,3,1,1,2,1,1,1,1<br>=> DOWN => RIGHT.....) | Subset: 2374 | Coins collected{0,0,0,0,0,0,0,4,1,1,1,1,7,2,3} | TOTAL COINS: 20 (Alternating RIGHT |
| 2,1,2,1,1,1,1,3,2<br>=> DOWN => RIGHT.....)   | Subset: 2375 | Coins collected{0,0,0,0,0,0,9,4,1,1,1,9,2,1,3} | TOTAL COINS: 31 (Alternating RIGHT |
| 3,2,1,2,1,1,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2376 | Coins collected{0,0,0,6,0,0,9,0,0,0,9,9,2,1,3} | TOTAL COINS: 39 (Alternating RIGHT |
| 2,1,1,2,2,2,1,1,2<br>=> DOWN => RIGHT.....)   | Subset: 2377 | Coins collected{0,0,0,0,0,0,0,0,1,0,9,9,2,1,3} | TOTAL COINS: 25 (Alternating RIGHT |
| 1,1,4,2,1,1,1,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2378 | Coins collected{0,0,0,0,0,0,0,4,1,1,1,1,7,1,3} | TOTAL COINS: 19 (Alternating RIGHT |
| 1,1,2,1,3,2,1,2,1<br>=> DOWN => RIGHT.....)   | Subset: 2379 | Coins collected{0,0,0,0,0,0,9,4,1,1,1,1,7,1,3} | TOTAL COINS: 28 (Alternating RIGHT |

|                                                                |                                                |                                    |
|----------------------------------------------------------------|------------------------------------------------|------------------------------------|
| 2,1,2,2,1,1,1,2,2    Subset: 2380<br>=> DOWN => RIGHT.....)    | Coins collected{0,0,0,0,0,0,9,0,1,0,1,9,2,1,3} | TOTAL COINS: 26 (Alternating RIGHT |
| 2,1,1,3,1,1,3,1,1    Subset: 2381<br>=> DOWN => RIGHT.....)    | Coins collected{0,0,0,0,0,0,0,0,2,9,9,7,1,3}   | TOTAL COINS: 31 (Alternating RIGHT |
| 1,1,1,1,2,3,1,3,1    Subset: 2382<br>=> RIGHT => DOWN .....)   | Coins collected{0,1,0,0,9,1,1,0,0,9,9,7,2,3}   | TOTAL COINS: 42 (Alternating DOWN  |
| 3,1,1,2,1,2,2,1,1    Subset: 2383<br>=> DOWN => RIGHT.....)    | Coins collected{0,0,0,6,0,0,9,0,1,0,9,9,7,1,3} | TOTAL COINS: 45 (Alternating RIGHT |
| 1,1,1,2,1,4,2,1,1    Subset: 2384<br>=> RIGHT => DOWN .....)   | Coins collected{0,1,0,0,9,0,0,0,1,1,9,1,7,2,3} | TOTAL COINS: 34 (Alternating DOWN  |
| 1,1,1,3,1,3,1,1,2    Subset: 2385<br>=> RIGHT => DOWN .....)   | Coins collected{0,1,0,0,9,0,9,0,1,1,9,1,1,2,3} | TOTAL COINS: 37 (Alternating DOWN  |
| 1,2,2,1,1,2,1,3,1    Subset: 2386<br>=> RIGHT => DOWN .....)   | Coins collected{0,1,0,0,9,1,0,0,0,9,9,7,2,3}   | TOTAL COINS: 41 (Alternating DOWN  |
| 1,1,2,1,2,3,2,1,1    Subset: 2387<br>=> DOWN => RIGHT.....)    | Coins collected{0,0,0,0,0,0,9,4,1,0,9,9,7,1,3} | TOTAL COINS: 43 (Alternating RIGHT |
| 1,2,1,1,2,1,1,1,1,3    Subset: 2388<br>=> RIGHT => DOWN .....) | Coins collected{0,1,0,0,9,0,0,0,0,2,9,6,2,1,3} | TOTAL COINS: 33 (Alternating DOWN  |
| 1,2,2,2,1,1,3,1,1    Subset: 2389<br>=> DOWN => RIGHT.....)    | Coins collected{0,0,0,0,9,0,0,0,0,2,9,9,7,1,3} | TOTAL COINS: 40 (Alternating RIGHT |
| 2,1,1,2,1,2,1,3,1    Subset: 2390<br>=> RIGHT => DOWN .....)   | Coins collected{0,1,0,0,0,1,0,0,0,9,9,7,2,3}   | TOTAL COINS: 32 (Alternating DOWN  |
| 2,3,2,1,2,1,1,1,1    Subset: 2391<br>=> DOWN => RIGHT.....)    | Coins collected{0,0,0,0,9,1,0,0,0,0,1,9,7,1,3} | TOTAL COINS: 31 (Alternating RIGHT |

Minimum Coins is: 0

Maximum Coins is: 54

...Program finished with exit code 0

Press ENTER to exit console.