

## **Méthodes de tests (Humain Vs Humain) :**

```
testCreerPlateau();
```

```
*** testCreerPlateau()
creerPlateau(4) = {{ , , },{ , , },{ , , },{ , , }} : OK
creerPlateau(2) = {{ , },{ , }}
: OK
-----
(program exited with code: 0)
```

```
testPositionX();
```

```
*** testPositionX()
positionX({{ ,0 , },{ , , },{ , , },{ , , }}) = 1 : OK
positionX({{ , , },{ , , },{ , , },{ , ,0 }}) = 2 : OK
positionX({{ , , },{ , , },{ , , },{ , , }}) = -1 : OK
-----
(program exited with code: 0)
```

```
testPositionY();
```

```
*** testPositionY()
positionY({{ ,0 , },{ , , },{ , , },{ , , }}) = 0 : OK
positionY({{ , , },{ , , },{ , , },{ , ,0 }}) = 3 : OK
positionY({{ , , },{ , , },{ , , },{ , , }}) = -1 : OK
-----
(program exited with code: 0)
```

```
testMaxGauche();
```

```

*** testMaxGauche()
maxGauche({{ , , },{ , , },{ , , },{ , , o, }},2) = 2 :

3 | | | o | |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3
OK
maxGauche({{ , , , o},{ , , },{ , , },{ , , }},3) = 3 :

3 | | | | |
2 | | | | |
1 | | | | |
0 | | | | o |
  0 1 2 3
OK
maxGauche({{ , , },{ , , },{ , , },{ o, , , }},0) = 0 :

3 | o | | | |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3
OK

-----
(program exited with code: 0)

```

```

maxGauche({{ , , },{ , , },{ , , },{ , ,o }},2) = 2 :
3 | | | o |
2 | | | |
1 | | | |
0 | | | |
  0 1 2 3
OK
maxGauche({{ , ,o},{ , , },{ , , },{ , , }},3) = 3 :
3 | | | |
2 | | | |
1 | | | |
0 | | | o |
  0 1 2 3
OK
maxGauche({{ , , },{ , , },{ , , },{o , , }},0) = 0 :
3 | o | | |
2 | | | |
1 | | | |
0 | | | |
  0 1 2 3
OK
-----
(program exited with code: 0)

```

```

3 | | | o | |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3
OK
maxGauche({{ , , o }, { , , }, { , , }, { , , }}, 3) = 3 :

3 | | | | |
2 | | | | |
1 | | | | |
0 | | | o | |
  0 1 2 3
OK
maxGauche({{ , , }, { , , }, { , , }, { o , , }}, 0) = 0 :

3 | o | | | |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3
OK
-----
(program exited with code: 0)

```

```

OK
maxGauche({{ , , o},{ , , },{ , , },{ , , }},3) = 3 :

3 | | | |
2 | | | |
1 | | | |
0 | | | |o|
   0 1 2 3

OK
maxGauche({{ , , },{ , , },{ , , },{ o , , }},0) = 0 :

3 |o| | | |
2 | | | | |
1 | | | | |
0 | | | | |
   0 1 2 3

OK
-----
(program exited with code: 0)

```

```
maxGauche({{ , , o},{ , , },{ , , },{ , , }},3) = 3 :
3 | | | |
2 | | | |
1 | | | |
0 | | | o |
  0 1 2 3
OK
maxGauche({{ , , },{ , , },{ , , },{ o , , }},0) = 0 :
3 | o | | |
2 | | | |
1 | | | |
0 | | | |
  0 1 2 3
OK
-----
(program exited with code: 0)
```

```

3 | | | |
2 | | | |
1 | | | |
0 | | | o |
   0 1 2 3
OK
maxGauche({{ , , , }, { , , , }, { , , , }, { o , , , }}, 0) = 0 :
3 | o | | |
2 | | | |
1 | | | |
0 | | | |
   0 1 2 3
OK
-----
(program exited with code: 0)

```

```
OK
maxGauche({{ , , },{ , , },{ , , },{o , , }},0) = 0 :

3 | o | | |
2 | | | |
1 | | | |
0 | | | |
  0 1 2 3

OK

-----
(program exited with code: 0)
```

```
maxGauche({{ , , }, { , , }, { , , }, { o , , } }, 0) = 0 :

3 | o | | |
2 | | | |
1 | | | |
0 | | | |
  0 1 2 3

OK

-----
(program exited with code: 0)
```

```

3 | 0 | | |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3
OK
-----
(program exited with code: 0)

```

```
OK
-----
(program exited with code: 0)
```

```
(program exited with code: 0)
```

```
testMaxBas();
```

```

*** testMaxBas()
maxBas({{ , , },{o, , },{ , , },{ , , }},1) = 1 :

3 | | | | |
2 | | | | |
1 |o| | | |
0 | | | | |
   0 1 2 3
OK
maxBas({{ , , ,o},{ , , },{ , , },{ , , }},0) = 0 :

3 | | | | |
2 | | | | |
1 | | | | |
0 | | | |o|
   0 1 2 3
OK
maxBas({{ , , },{ , , },{ , , },{o, , }},3) = 3 :

3 |o| | | |
2 | | | | |
1 | | | | |

```

```
maxBas({{ , , },{o , , },{ , , },{ , , },{ , , }},1) = 1 :
3 | | | | |
2 | | | | |
1 | o | | | |
0 | | | | |
  0 1 2 3
OK
maxBas({{ , , ,o},{ , , },{ , , },{ , , },{ , , }},0) = 0 :
3 | | | | |
2 | | | | |
1 | | | | |
0 | | | | o |
  0 1 2 3
OK
maxBas({{ , , },{ , , },{ , , },{o , , }},3) = 3 :
3 | o | | | |
2 | | | | |
1 | | | | |
```

```

3 | | | |
2 | | | |
1 | o | | |
0 | | | |
   0 1 2 3
OK
maxBas({{ , , o},{ , , },{ , , },{ , , }},0) = 0 :

3 | | | |
2 | | | |
1 | | | |
0 | | | | o |
   0 1 2 3
OK
maxBas({{ , , },{ , , },{ , , },{ o , , }},3) = 3 :

3 | o | | |
2 | | | |
1 | | | |

```

```
OK
maxBas({{ , , o},{ , , },{ , , },{ , , }},0) = 0 :

3 | | | |
2 | | | |
1 | | | |
0 | | | |o|
   0 1 2 3

OK
maxBas({{ , , },{ , , },{ , , },{ o, , }},3) = 3 :

3 |o| | | |
2 | | | | |
1 | | | | |
```

```
maxBas({{ , , 0},{ , , },{ , , },{ , , , }},0) = 0 :

3 | | | | |
2 | | | | |
1 | | | | |
0 | | | | o |
   0 1 2 3

OK
maxBas({{ , , },{ , , },{ , , },{ 0, , }},3) = 3 :

3 | o | | | |
2 | | | | |
1 | | | | |
```

|   |   |   |   |   |
|---|---|---|---|---|
| 3 |   |   |   |   |
| 2 |   |   |   |   |
| 1 |   |   |   |   |
| 0 |   |   |   | o |
|   | 0 | 1 | 2 | 3 |

OK

$\text{maxBas}(\{\{\text{ , , , },\{\text{ , , , },\{\text{ , , , },\{\text{0, , , },\}\},3\}) = 3 :$

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| 3 |  | o |  |  |  |
| 2 |  |   |  |  |  |
| 1 |  |   |  |  |  |

OK  
 $\text{maxBas}(\{\{\ ,\ ,\ \},\{\ ,\ ,\ \},\{\ ,\ ,\ \},\{0,\ ,\ \}\},3) = 3 :$

|   |   |  |  |  |
|---|---|--|--|--|
| 3 | o |  |  |  |
| 2 |   |  |  |  |
| 1 |   |  |  |  |

```
maxBas({{ , , , },{ , , , },{ , , , },{0, , , }},3) = 3 :
3 | o | | | |
2 | | | | |
1 | | | | |
```

|   |   |  |  |  |
|---|---|--|--|--|
| 3 | o |  |  |  |
| 2 |   |  |  |  |
| 1 |   |  |  |  |

```

0 | | | |
  0 1 2 3

```

OK

-----  
(program exited with code: 0)

**testMaxDiagonal();**

\*\*\* testMaxDiag()

maxDiagonal({{ , , },{o , , },{ , , },{ , , }},0,1) = 0 :

```

3 | | | |
2 | | | |
1 | o | | |
0 | | | |
  0 1 2 3

```

OK

maxDiagonal({{ , , },{ , , },{ , , },{ , , o}},3,3) = 3 :

```

3 | | | | o |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3

```

OK

maxDiagonal({{ , , },{ , , },{ , , },{ , o , }},1,3) = 1 :

```

3 | | o | | |
2 | | | | |
1 | | | | |
0 | | | | |
  0 1 2 3

```

OK

-----  
(program exited with code: 0)

**testIdentique();**

\*\*\* testIdentique()\*\*\*

identique({{ , ,x,o},{ , , }},{ , ,x, },{ , ,o}) = false : OK

identique({{ , ,x,o},{ , , }},{ , ,x,o},{ , , }) = true : OK

identique({{ , ,x, },{ , ,o}},{ , ,x,o},{ , , }) = false : OK

-----  
(program exited with code: 0)

```
testMouvementBas();
```

```
***mouvementBas***
```

```
mouvementBas({{ , , , }, { , , , }, { , , , }, { , , , }, { , , o, }}, 2, 3, 4) : Après modif :  
{{ , , , }, { , , , }, { , , , o, }, { , , , , }, { , , , , }}  
mouvementBas({{ , , , }, { , , , }, { , , , }, { , , , }, { , , o, }}, 3, 3, 4) : Après modif :  
{{ , , , }, { , , , o, }, { , , , , }, { , , , , }, { , , , , }}
```

```
-----  
(program exited with code: 0)
```

```
testMouvementGauche();
```

```
***mouvementGauche***
```

```
mouvementGauche({{ , , , }, { , , , }, { , , , }, { , , , }, { , , o, }}, 2, 3, 4) : Après modif :  
{{ , , , }, { , , , }, { , , , }, { , , , }, { o, , , }}  
mouvementGauche({{ , , , }, { , , , }, { , , , }, { , , , }, { , , o, }}, 3, 3, 4) : Après modif :  
{{ , , , }, { , , , }, { , , , }, { , , , }, { o, , , }}
```

```
-----  
(program exited with code: 0)
```

```
testMouvementDiag();
```

```
***mouvementDiag***
```

```
mouvementDiag({{ , , , }, { , , , }, { , , , }, { , , , }, { , , o, }}, 2, 3, 4) : Après modif :  
{{ , , , }, { , , , }, { o, , , }, { , , , }, { , , , }}  
mouvementDiag({{ , , , }, { , , , }, { , , , }, { , , , }, { , , o, }}, 3, 3, 4) : Après modif :  
{{ , , , }, { o, , , }, { , , , }, { , , , }, { , , , }}
```

```
-----  
(program exited with code: 0)
```

```
testPositionDepart();
```

```
*** testPositionDepart()
```

```
positionDepart({{ , , }, { , , }, { , , }, { , , }}) : Après modif :  
3 | | o | | |  
2 | | | | |  
1 | | | | |  
0 | | | | |  
  0  1  2  3
```

```
-----  
(program exited with code: 0)
```