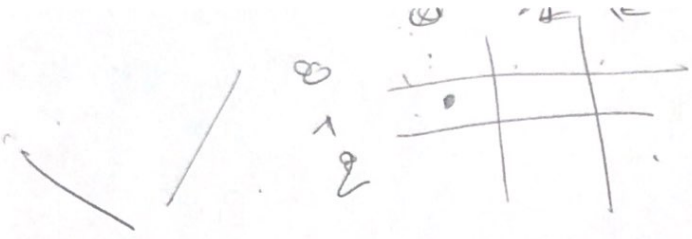
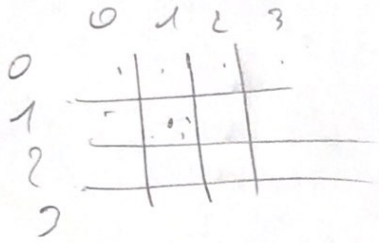


$3 \times \underset{P}{1} + 9$

$= 3$



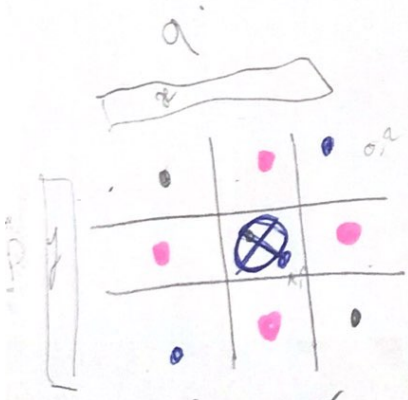
$1 \times 4 + 1 + 1.$

$3 \times 9 + 9$

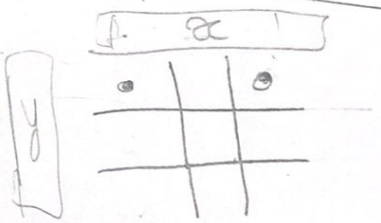
croix +1
rond +1

→ si croix = a
↳ on a gagné
→ si rond = a
↳ il a gagné
→ si croix + rond = a
↳ ligne complète
→ si croix == a-1
&& rond = 0.
↳ défense.

win
prochain coup
rien.



for z=2, y>0, z--
a-z=1 = 0
= 1
2



→ for x=0, x<a, x++.
→ for y=0, y<0, y++.
→ for z=0, z<0, z++.

IF $x = 1$ et $y = 0$, $x = 0$ et $y = 1$, $x = 2$ et $y = 1$, $x = 1$ et $y = 2$.

horiz

```
fixe y.
for (i < a):
    if grille [y][i] = croix ....
                croix +1
                rond +1
```

vert

```
fixe x
for (k < a):
    if grille [k] [x] = .....
```

IF $x = 0$ et $y = 0$, $x = 2$ et $y = 2$

hor

```
fixe y.
for (i < a):
    if grille ....
```

vert

```
fixe x
for (k < a):
```

diago

```
for (z < a):
    if grille [z] [z] = ...
```

IF $x = 2$ et $y = 0$, $x = 0$ et $y = 2$

hor

ver

diago

```
for (z = 2, z ≥ 0, z--)
    if grille [z] [a-z-1] = ...
```