

Basic Idea

Date

No

Iteration ①

X → Player
O → CPU

- Random Placement (could be improved)

X	.	.
.	O	.
.	.	.

Iteration ②, ...

- Probability + Random Placement (could be improved)

X	O	X	2
.	O	.	.
.	.	.	.
.	.	.	.

0	X	X	.
1	.	O	.
2	.	.	.

→ Horizontal Prob
↑ Vertical Prob
↘ Diagonal Prob

if (→ == ↑ == ↘) :

determ Randomly

else :

determ Randomly

on the row with
the highest Probab.

$$\rightarrow -\frac{1}{3} - \frac{1}{3} + \frac{0}{3} \rightarrow -\frac{2}{3}$$

$$\uparrow \frac{0}{3} + \frac{1}{3} + \frac{0}{3} \rightarrow \frac{1}{3}$$

$$\searrow \frac{0}{3} + \frac{0}{3} + \frac{0}{3} \rightarrow \frac{0}{3}$$

$$\rightarrow \frac{0}{3} + \frac{0}{3} + \frac{0}{3} \rightarrow \frac{0}{3}$$

$$\uparrow -\frac{1}{3} + \frac{1}{3} + \frac{0}{3} \rightarrow \frac{0}{3}$$

$$\searrow \frac{0}{3} + \frac{1}{3} + \frac{0}{3} \rightarrow \frac{1}{3}$$

$$\rightarrow -\frac{1}{3} + \frac{1}{3} + \frac{0}{3} \rightarrow -\frac{1}{3}$$

$$\uparrow -\frac{1}{3} + \frac{1}{3} + \frac{0}{3} \rightarrow \frac{0}{3}$$

$$\searrow \frac{0}{3} + \frac{0}{3} + \frac{0}{3} \rightarrow \frac{0}{3}$$