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WELCOME TO

# QUARTO GAME

# OUR TEAM



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# PANDA CHALLENGE



**Find the hidden pandas in the slides  
and count them**

**EVERYONE POINTING THE VICTORY MOVE WHILE I AM NOT THAT CAREFUL  
TO NOTICE IT(I PREPARED OOP PRESENTATION LAST NIGHT).**





What is  
Quarto ?

How many  
players can play  
this game?

How  
To Play ?

How is a winning  
condition  
determined?



# HOW TO PLAY?

- The game includes 16 pieces, each differing in four binary attributes
- Players choose for each other: your opponent chooses the piece you must place on the board.
- The goal is to place four pieces in a straight line (horizontal, vertical, or diagonal) that share at least one common attribute
- Call "Quarto!" to win: A player must declare “Quarto!” immediately upon forming such a line.



# FIGURE TRAITS

**Height**

Tall  
**OR**  
Short

**Color**

Black  
**OR**  
White

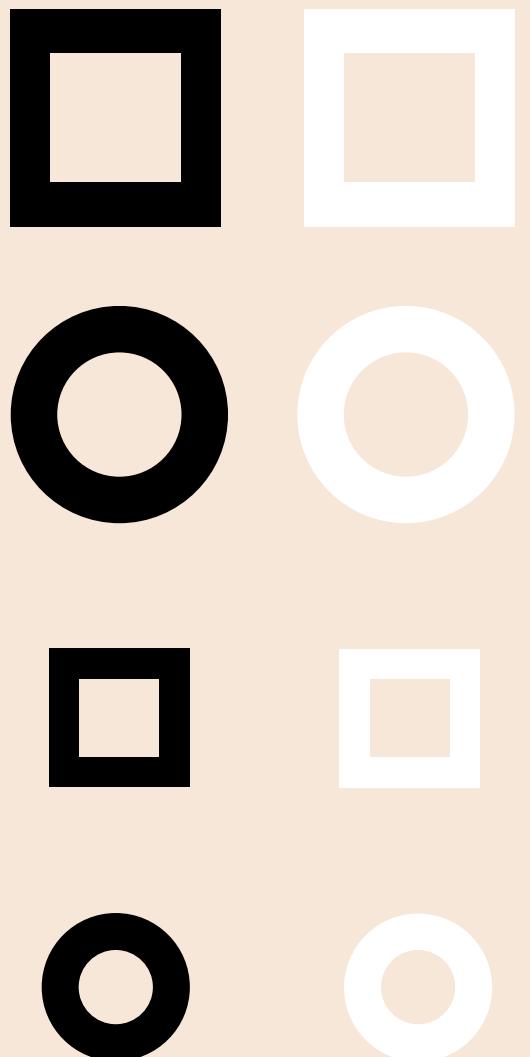
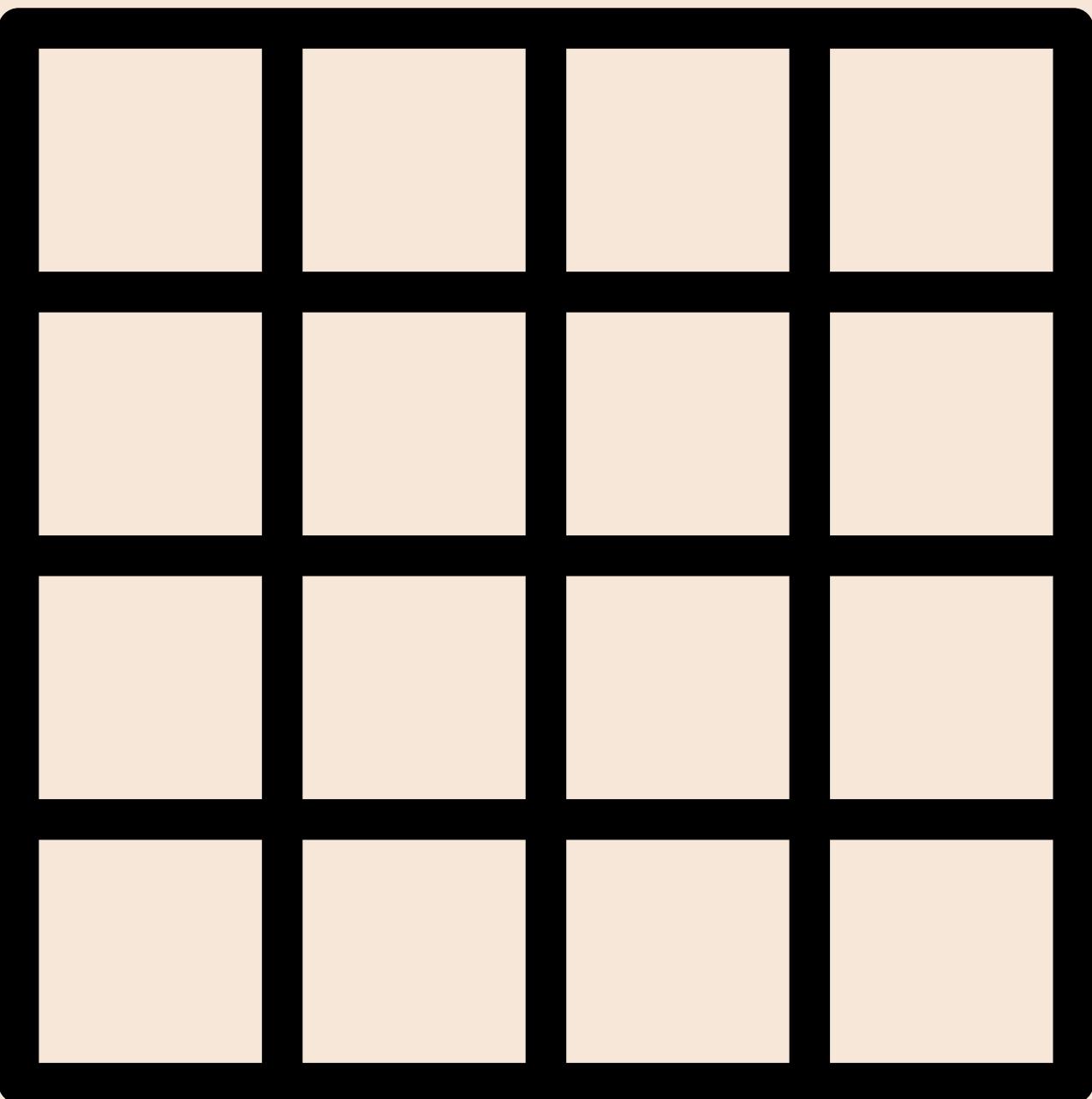
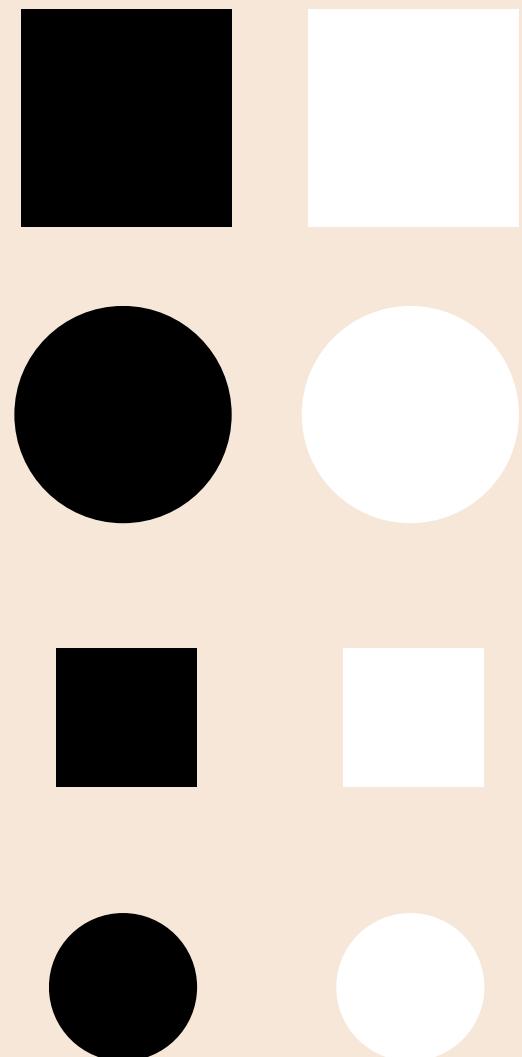
**Shape**

Square  
**OR**  
Circular

**Top**

Solid  
**OR**  
Hollow

# GRAFICAL REPRESENTATION





# DIFFERENCES

## In Original Game

- 1) Height(Tall/Short)
- 2) Player needs to call  
“Quarto” to win
- 3) 2 Game Modes
- 4) Second player: AI  
(Solo mode)

## In Our Game

- 1) Size(Big/Small)
- 2) No need to shout  
“Quarto”
- 3) 3 Game Modes
- 4) Second Player:  
RandomGenerator  
(Solo mode)

# 3 Game Modes



Duel game



Solo game



Adventurous game



# DESCRIPTIONS

**Duel Game**  
2 real players

**Solo Game**  
1 real player and 1 random generator

**Adventurous Game**  
is a game with explicitly and randomly hidden stars. Putting piece on a star tile will give an opportunity to change one of the features of the piece.



# TERMINAL

1

Pieces are represented  
by letters

2

Works with the 1 as an  
argument for args



# GUI

1

Pieces are represented  
by 2d icons

2

Works with the 2 as an  
argument for args

# Thank you!

We hope you had fun!



