

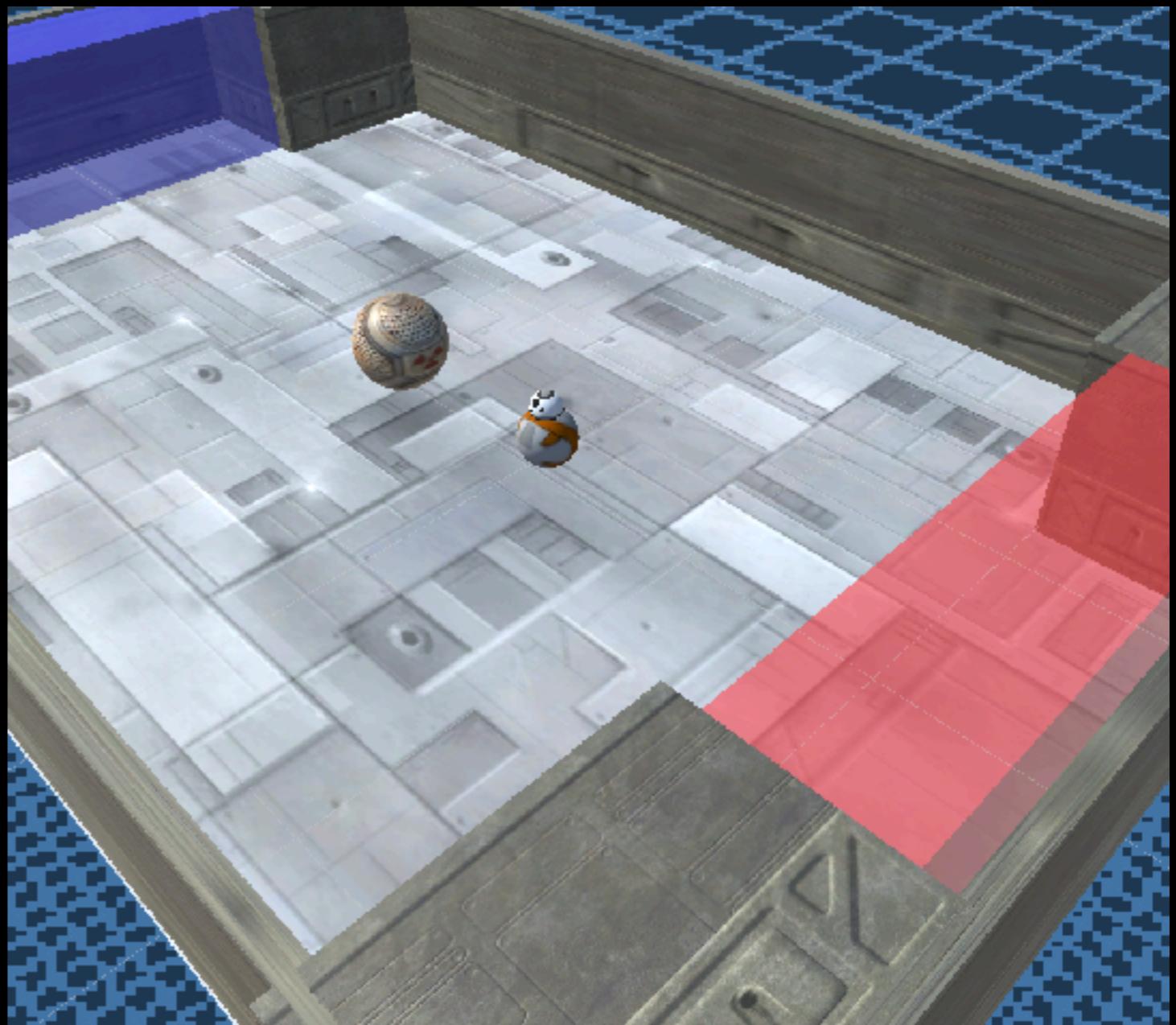
Trabalho Prático 3

Introdução à Inteligência Artificial
2019-2020

Objectivos

Agentes Adaptativos

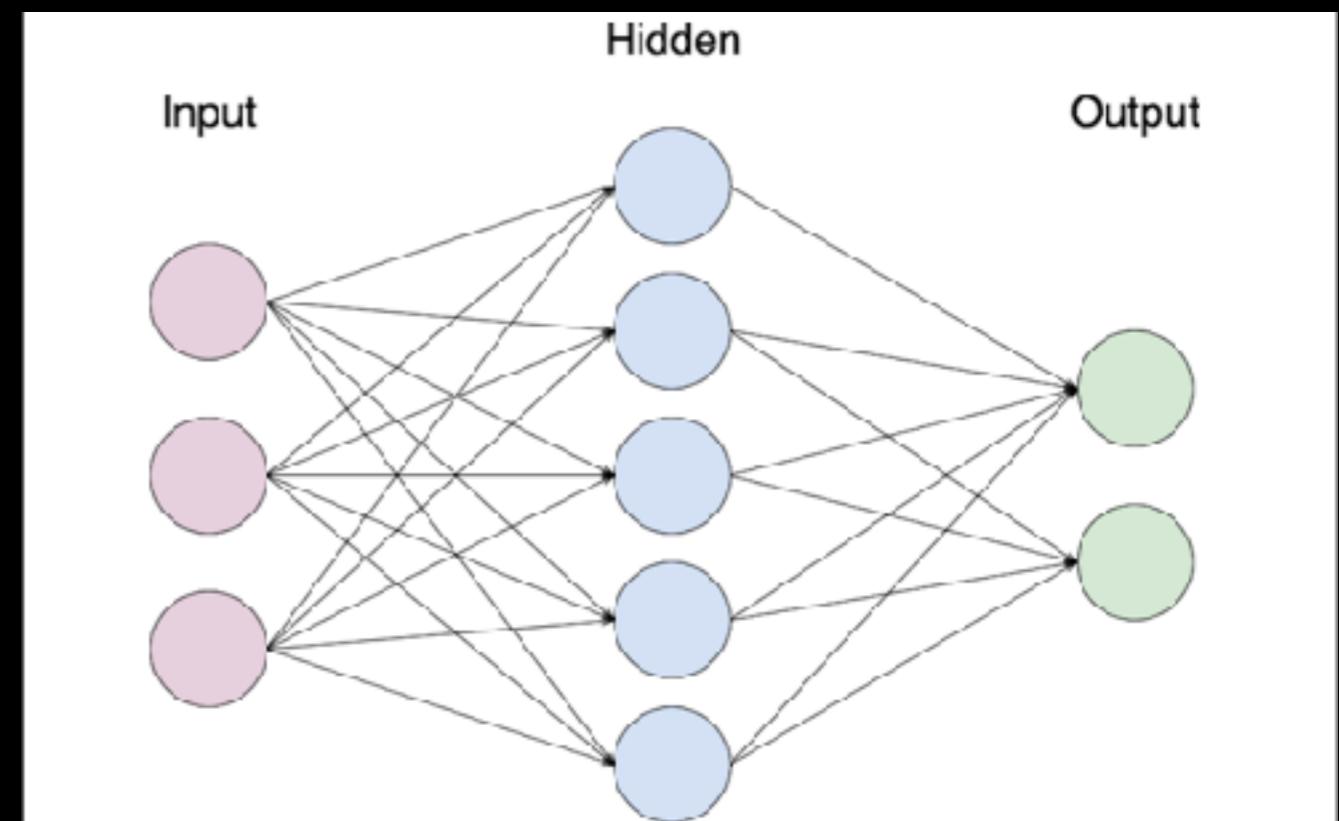
Implementar
Testar
Avaliar



O Problema

Como treinar uma rede
neuronal que aprende a:

Defender
Chutar
Controlar a Bola

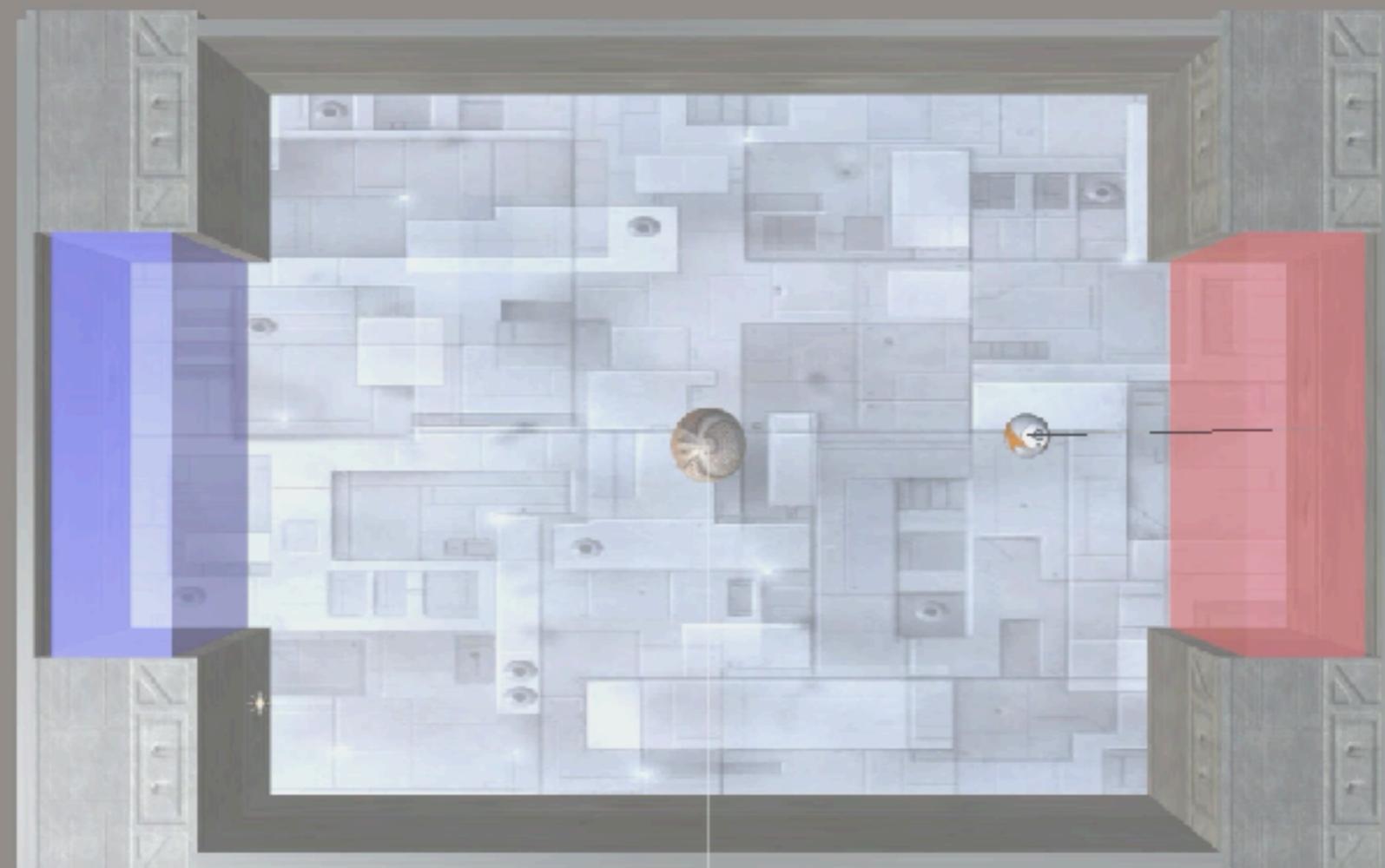


UEFA EURO 201

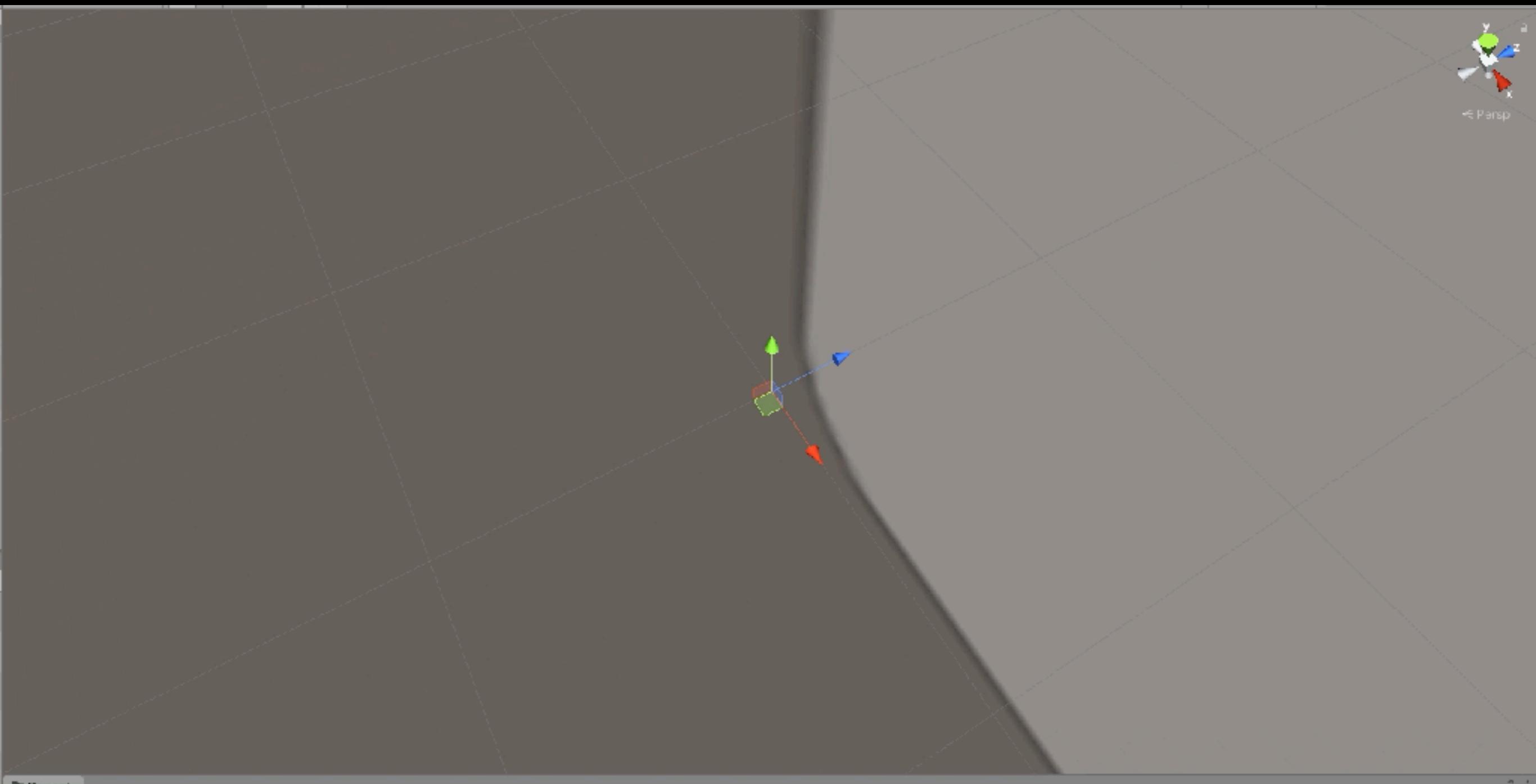


Empurrar a Bola Fixa

Playing a match for 30 BlueIndv-Best_Blue_1587932162.dat: 0 RedIndv-EmpurraBolaFixed/Best_Red_1588096591_gen_200.dat: 0



O Eder

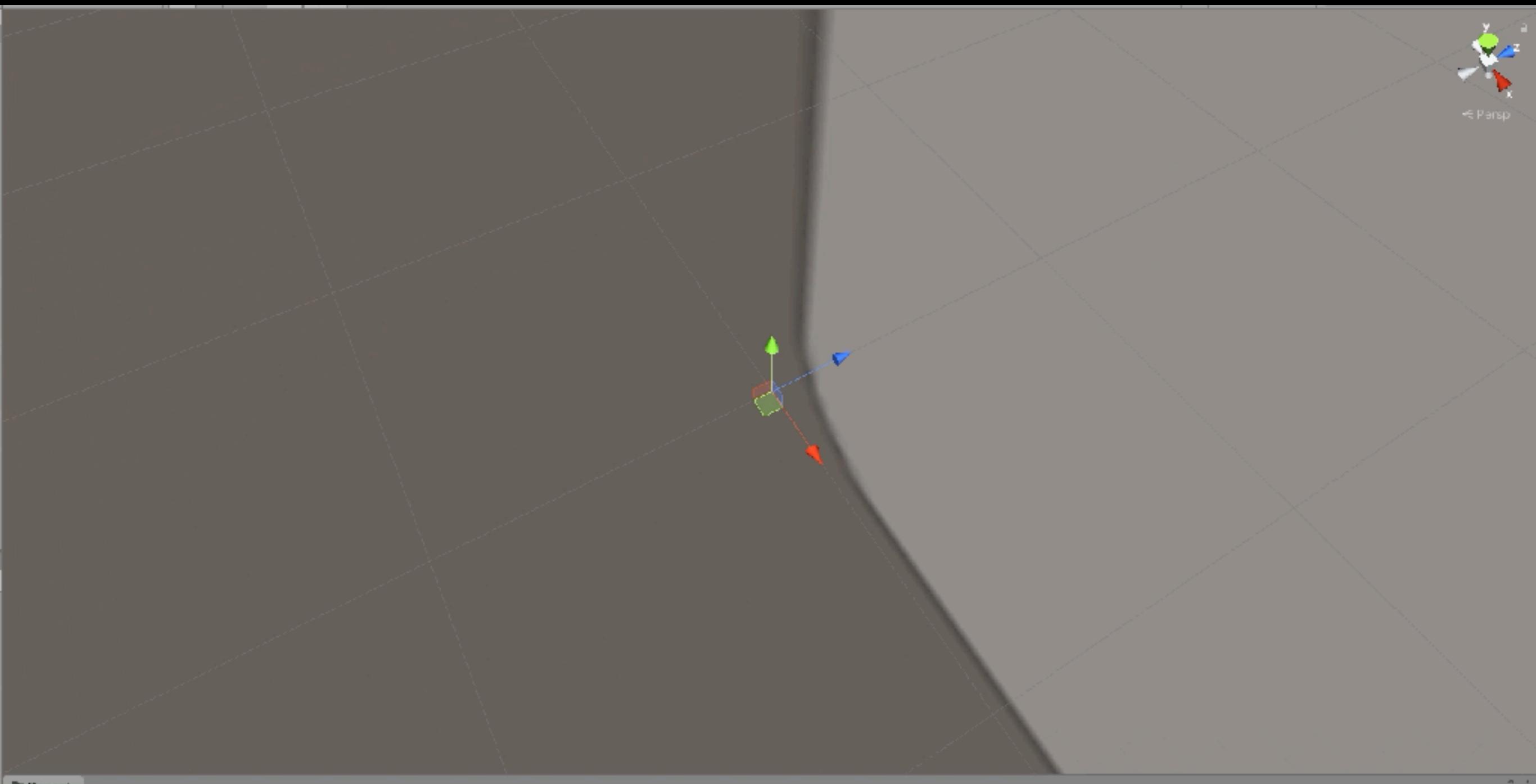


Decimate

3/1



O William Carvalho



SteelPlay



E o Quaresma?



São Patrício

Playing a match for 30

BlueIndv-Best_Blue_1587932182.dat: 0 RedIndv-Best_Red_gan_30.dat: 0





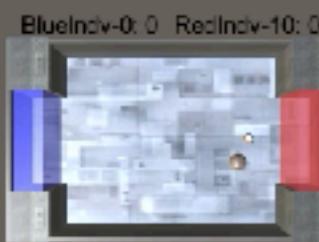
MZI

O Simulador

Generation: 2/200 Simulation: 0/20

Current Pop Avg Fitness Red: -4957.5 Current Best Red: -4811

Current Pop Avg Fitness Blue: 0 Current Best Blue: 0

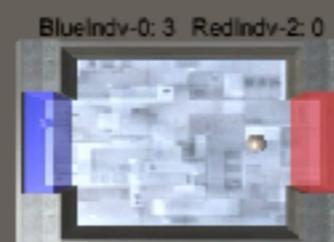
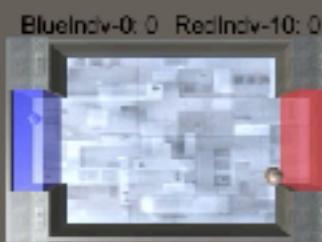


Algumas gerações depois...

Generation: 22/200 Simulation: 0/20

Current Pop Avg Fitness Red: -776.85 Current Best Red: -117

Current Pop Avg Fitness Blue: 0 Current Best Blue: 0



Meta 1

Implementar

Operador de Crossover

Mutação

Funções de Fitness

Evoluir agentes capazes de:

Chutar

Meta 2

Implementar

Operador de Crossover

Mutação

Funções de Fitness

Evoluir agentes capazes de:

Defender

Controlar Bola

And maybe more



Meta 1

Data Entrega: **17 de Maio**
Opcional



Meta 2

Data Entrega: **31 de Maio**
Obrigatório



Não se preocupem estamos cá para ajudar!

Illinoes

€

MACHÃO

€ 1.000.000

totoloto

€

totobola

€



#colinho

100%
NAUTICAL
REF. 10335 FT
Best Sailing School Nautical Style
T.M.D.US STATE

Colinho não,
mas estaremos na claque!





O Professor Tiago?

