## Simulador

tabuleiro : CrazyPiece [][]

crazyPieces: ArrayList<CrazyPiece>

numberOfPieces: int blackTeam: Equipa whiteTeam: Equipa cntPlaysNoCaptures: int

result: String

iniciaJogo (ficheiroInicial : File) : boolean

getTamanhoTabuleiro () : int

processaJogada (xO: int, yO: int, xD: int, yD: int): boolean

getPecasMalucas (): List<CrazyPiece>

jogoTerminado () : boolean
getAutores () : List<String>
getResultados () : List<String>
getIDPeca (x : int, y : int ) : int
getIDEquipaAJogar () : int

simula

contém

## CrazyPiece

idPiece : int
idType : int
idTeam : int
nickname : String

CrazyPiece ()

CrazyPiece (idPiece : int, idType : int ,

idTeam : int, nickname : String )

getId (): int getIdEquipa (): int getImagePNG (): String getTeam (): Equipa toString (): String Equipa

id:int

crazyPieces: ArrayList<CrazyPiece>

inGameCrazyPieces: ArrayList<CrazyPiece>

cntValidPlays : int cntInvalidPlays : int

Equipa (id : int) getId () : int

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