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Dokumentacija
Santorini
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16/0642
Main:
// Inicijalizacija pocetnih vrednosti
private void initElements(Scene scene);
// Citanje stanja igre iz datoteke
private void readGameFromFile(File f);
// OnClick listener
private void onClick(Canvas canvas, double x, double y);
// Pozivanje odredjene f-je zavisno od kliknutog dugmeta
private void takeButtonActions(int width,int height,double x,double y);
// Sta je kliknuto
private Action getAction(int width,int height,double x,double y);
// Crtanje svega
private void draw(Canvas canvas);
// Crtanje table
private void drawBoard(GraphicsContext gc, int width,int height);
// Crtanje igraca
private void drawPlayers(GraphicsContext gc, int width,int height);
// Crtanje dugmica
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private void drawButtons(GraphicsContext gc,int width,int height);
// Crtanje informacija
private void drawStats(GraphicsContext gc, int width,int height);
Game.java:
// Pokretanje igre
public void startGame();
// Promena tezine igre
public void changeDifficulty();
// Promena nacina( PvsP/PvsB/BvsB )
public void changeGameMode();
// Sta se desi na klik
public void clicked(int row, int column);
// Obrada kad se igra PvsB
private void playerVsBot(int clickedRow, int clickedCol);
// Obrada kad se igra PvsP
private void playerVsPlayer(int clickedRow,int clickedCol);
// Obrada kad se igra BvsB
private void botVsBot(int row,int col);
// Da li je kraj igre
private void checkForGameOver();
// Upis poteza u datoteku
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private void writeMove(Move move);
// Da li je pomeranje moguce
private boolean possibleMove(int row,int col);
// -||-
public static boolean isPossibleMove(Board board, Position from, Position to);
// Moze li se staviti plocica
public static boolean canPutAPlate(Board board, Position from, Position to);
// Odigraj potez
public void playTheMove(Move mov);
// Citanje igre iz fajla
public void readGameFromFile(File file);
Board:
// Da li je ne stoji niko na polju
public boolean emptyField(int r, int c);
// Funkcija evaluacije data u postavci
public int evaluateMinimaxMove(Position destination, Position plateDestination, int pid);
// Unapredjena funkcija evaluacije
public int improvedEvaluation(Position destination, Position plateDestination,int pid);
// Da li je polje nedostizno
private boolean unreachable(Position plate, Position p1,Position p2);
// Lista svih poteza
public ArrayList<Move> listOfAllMoves(int playerId);
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// Tabla nakon odigranog poteza
public Board newBoardAfterPlayedMove(Move move);
// Da li igrac moze da se pomeri
public boolean canMove(int pid);
// Da li je gotova igra
public boolean isGameOver(int pid);
// Pozicija
class Position;
// Potez
class Move;
Bot:
// Da li sam na potezu
protected boolean isMyTurn();
// Procena stanja igre
protected int evaluateBoard(Board prevBoard, Move move);
// Unapredjena procena stanja igre
protected int improvedEvaluation(Board game, Move move);
// Odigraj potez
public abstract void makeTheMove();
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MinimaxBot:
// Odigraj potez
<pre>public void makeTheMove();</pre>
// Minimax
private int minimax(int initialDepth, int depth,Board game,boolean isMaximisingPlayer, int playerId, Board prevBoard, Move played);
AlphaBetaBot:
// Odigraj potez
public void makeTheMove();
// AlphaBeta Minimax
private int alphaBetaMinimax(int alpha, int beta, int initialDepth, int depth,Board game,boolean isMaximisingPlayer, int playerId, Board prevBoard, Move played);