D:/AASTMT/Modeling & Simulation/Hawk-Dove-Game/src/hawk/dove/game/BattleReport.java

```
mport java.io.IOException;
mport java.io.PrintWriter;
private final PlayerAgent p1;
private final PlayerAgent p2;
private final PlayerAgent p2;
private final PlayerAgent p2;
private final PlayerAgent p3;
private final PlayerAgent p3;
private final Strategy p1, strategy;
private final Strategy p2, strategy;
private final Strategy p2, strategy;
private final Strategy p2, strategy;
private final float ocus;
private final float ocus;
private final Strategy p2, strategy;
public static PrintWitter writer;
public BattlePagers(fastle battle)(
this.p2 = battle.Pagers.pop();
this.p2 = battle.Pagers.pop();
this.p2 = battle.Pagers.pop();
this.p3 = trategy = this.p1.getStrategy();
this.p3 = trategy = this.p2.getStrategy();
this.value = battle.getValue();
this.value = battle.getValue();
this.value = battle.getValue();
if(p1.strategy = Strategy.Rawk && p2_strategy == Strategy.Dove)
this.vinner = this.p1;
else if(p2.strategy = Strategy.Rawk && p1_strategy == Strategy.Dove)
this.vinner = this.p2;
else
                              else
this.winner = null;
              public PlayerAgent getWinner() {
    return winner;
                                                        return pl;
          public Strategy winnerStrategy() (
   if(this.winner == this.pl)
        return pl_strategy;
else if(this.winner == this.p2)
        return pl_strategy;
else return null;
}
        public Strategy loserStrategy() {
   if(this.winner == this.pl)
      return p2_strategy;
   else if(this.winner == this.p2)
      return p1_strategy;
   else return null;
            public float getCost() {
    return cost;
              public PlayerAgent getP2() {
            public static boolean generateBattleReportsLogFile_CSV() throws IOException{
   File Fileright = new File("battleReports.csv");
   if(Fileright.createNewFile())
                              writer = new PrintWriter(Fileright);
else
return false;
writer.write(Pattle name, player 1, player 2, result, winner, loser, strategy of winner, strategy of loser, value, cost");
return true;
          public static void logBattle(BattleReport report) throws IOException(
    String result = "";
    if(report.vinner = report.getPl())
    result = report.getPl().getName() + "vins";
    else if(report.vinner = report.getP())
    result = report.getP2().getName() + "vins";
    else
    result = "foraw";
    vins", result = "foraw"
                                                                           "\n" +
report.getBattleName()
+ "," +
report.getP1().getName()
+ "," +
report.getP2().getName()
+ "," +
                                                                                 + "," +
result
+ "," +
(("Draw".equals(result))? "M/A" : report.getMinner().getMane())
+ "," +
(("Draw".equals(result))? "M/A" : report.getLoser().getMane())
+ "," +
"," +
                                                                                 + "," +

("Draw" equals(result))? "N/A" : (report.vinnerStrategy() == Strategy.Hawk)? "Hawk" : "Dove")

+ "," +

("Draw" equals(result))? "N/A" : (report.loserStrategy() == Strategy.Hawk)? "Hawk" : "Dove")

+ "," +

"," +

"," +

"," +
                                                                                   report.getCost()
                                  );
```

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