Current timestamp of the game: NNNNNNNN Resources consumed: 120 (and growing...)

	1.01	1.02	1.03	1.05	10	11	12	20	50	75	100	 1000
Player 1	25 pos -5 left	30 pos -4 left	60 pos -3 left	40 pos -2 left	50 pos -1 left		2 pos. +1 right	10 pos. +2 right	30 pos. +3 right	2 pos. +4 right	5 pos. +5 right	
Player 2												
Player n												

## This is the board:

- on the X-Axis there are all possible positions of the players: it's some sort of exponential scale, starting from 1.01, ending to 1000
- on the Y-Axis there are the players; the number of players can vary from game to game
- After the main board is ready, it takes from a file (snapshots.json) the list of the snapshots
- a snapshot is composed by a timestamp, and a list of properties for every player involved in the game, example for player 1:

```
},
          "pos": 1.05,
          "size": 40
          "pos": 10,
         "size": 50
        ],
        "right": [
         "pos": 12,
         "size": 2
          "pos": 20,
          "size": 10
          "pos": 50,
          "size": 30
          "pos": 75,
         "size": 2
          "pos": 100,
          "size": 5
]
```

- a player is a sort of snake composed two sides (left and right)
- every side can contain a maximum of five segments with position and size
- every game has:
  - Properties
    - total amount of resources consumed (changes at every step of the game)
  - o Inputs Data
    - rows from snapshots.json
- the board tracks the total amount of resources consumed
- Players move according to directives given to the board from outside (snapshots ison file)
- In this particular game the number of winners is the number of players -1, there will be only one loser
- A player wins if its last segment of left side reaches position 1000
- During the game the agent should choose N players and wait until the end of the game (at the very beginning the algorithm may choose only one runner, then it can increase the number of players)
- If the player chosen by the agent wins, the agent is rewarded like follows: 100 / (<position of the right side head when the player is chosen> -1)
- if the player chosen by the agent loses, there will be a negative reward: -100 points
- So the goal is to find N creditable winners as soon as the agent can, to maximize rewards (according to the formula above)
- Some suggestions:
  - o as you can see from snapshots.json near the end of the game, distance between players increases
  - o a good approach, maybe, could be analyzing "trends" of players, because all the players -1, before or after, will reach position 1000
- the use of any visual representation of the game is needed