C:\Users\yaels\anaconda3\envs\Gymmy\python.exe "C:\Users\yaels\יעל פרוייקט גמר\zedcheck\TrainingNew.py"

pygame 2.5.2 (SDL 2.28.3, Python 3.11.9)

Hello from the pygame community. https://www.pygame.org/contribute.html

screen start

CAMERA INITIALIZATION

ROBOT INITIALIZATION

CAMERA START

MP INITIALIZATION

Training: start exercises

MP START

ROBOT START

CAMERA: Exercise hello\_waving start

CAMERA: Exercise hello\_waving done

TRAINING: Exercise bend\_elbows\_ball start

CAMERA: Exercise bend\_elbows\_ball start

ROBOT: Exercise bend\_elbows\_ball start

126.44 156.53

18.37 129.99

first angle mean: 126.44

first angle stdev: 0.0

second angle mean: 18.37

second angle stdev: 0.0

125.81 154.3

18.06 129.96

first angle mean: 126.125

first angle stdev: 0.31500244

second angle mean: 18.215

second angle stdev: 0.15500069

124.34 162.09

17.79 139.4

first angle mean: 125.53

first angle stdev: 0.8798886

second angle mean: 18.073334

second angle stdev: 0.23697163

125.24 160.55

17.38 138.55

first angle mean: 125.4575

first angle stdev: 0.7722835

second angle mean: 17.9

second angle stdev: 0.36366236

128.23 147.38

15.86 160.88

first angle mean: 126.012

first angle stdev: 1.3065282

second angle mean: 17.492

second angle stdev: 0.87843984

128.38 145.28

15.9 161.11

first angle mean: 126.40667

first angle stdev: 1.4836868

second angle mean: 17.226667

second angle stdev: 0.99752504

128.17 144.29

15.76 160.84

first angle mean: 126.65857

first angle stdev: 1.505851

second angle mean: 17.017143

second angle stdev: 1.0565542

128.25 144.34

15.62 160.9

first angle mean: 126.8575

first angle stdev: 1.5037111

second angle mean: 16.842499

second angle stdev: 1.0909946

127.99 145.54

15.71 161.33

first angle mean: 126.98333

first angle stdev: 1.4617046

second angle mean: 16.716667

second angle stdev: 1.0884343

127.41 148.21

16.02 161.75

first angle mean: 127.026

first angle stdev: 1.3925899

second angle mean: 16.647

second angle stdev: 1.0535185

126.6 149.22

16.35 161.68

first angle mean: 126.987274

first angle stdev: 1.3334183

second angle mean: 16.62

second angle stdev: 1.0081127

126.53 149.12

16.49 161.33

first angle mean: 126.949165

first angle stdev: 1.2828913

second angle mean: 16.609167

second angle stdev: 0.96586293

126.15 150.49

16.66 161.76

first angle mean: 126.887695

first angle stdev: 1.2508229

second angle mean: 16.61308

second angle stdev: 0.9280699

125.73 150.42

16.71 161.45

first angle mean: 126.805

first angle stdev: 1.2416512

second angle mean: 16.62

second angle stdev: 0.89465886

125.28 149.43

16.71 161.28

first angle mean: 126.70334

first angle stdev: 1.2584212

second angle mean: 16.626001

second angle stdev: 0.86461407

125.71 148.3

16.45 161.44

first angle mean: 126.64125

first angle stdev: 1.2419591

second angle mean: 16.615002

second angle stdev: 0.8382423

126.05 147.91

16.22 162.04

first angle mean: 126.606476

first angle stdev: 1.212882

second angle mean: 16.591766

second angle stdev: 0.81850827

126.35 149.47

16.24 163.22

first angle mean: 126.59223

first angle stdev: 1.1801726

second angle mean: 16.572224

second angle stdev: 0.7995177

126.73 148.79

16.04 163.2

first angle mean: 126.59948

first angle stdev: 1.1491076

second angle mean: 16.544212

second angle stdev: 0.78721577

127.35 147.56

15.86 162.63

first angle mean: 126.63701

first angle stdev: 1.131893

second angle mean: 16.51

second angle stdev: 0.78163934

128.17 147.28

15.53 162.51

first angle mean: 126.71001

first angle stdev: 1.1518476

second angle mean: 16.463333

second angle stdev: 0.7908365

128.88 147.67

15.37 162.26

first angle mean: 126.80864

first angle stdev: 1.2127484

second angle mean: 16.413637

second angle stdev: 0.8055182

129.07 147.4

15.3 161.82

first angle mean: 126.90696

first angle stdev: 1.2725898

second angle mean: 16.365217

second angle stdev: 0.8198933

127.94 146.78

15.42 161.59

first angle mean: 126.95001

first angle stdev: 1.2627825

second angle mean: 16.325834

second angle stdev: 0.82455504

127.1 145.43

15.46 162.26

first angle mean: 126.95602

first angle stdev: 1.2376181

second angle mean: 16.2912

second angle stdev: 0.8255196

127.18 145.04

15.38 162.91

first angle mean: 126.96463

first angle stdev: 1.2143488

second angle mean: 16.256153

second angle stdev: 0.82823765

124.7 144.35

15.78 162.7

first angle mean: 126.88075

first angle stdev: 1.2660711

second angle mean: 16.238518

second angle stdev: 0.81771463

126.77 144.49

15.68 162.33

first angle mean: 126.87679

first angle stdev: 1.2434269

second angle mean: 16.21857

second angle stdev: 0.80964154

128.44 145.23

15.82 161.74

first angle mean: 126.930695

first angle stdev: 1.2546531

second angle mean: 16.204828

second angle stdev: 0.7988768

125.96 143.4

16.59 160.74

first angle mean: 126.89834

first angle stdev: 1.2458105

second angle mean: 16.217667

second angle stdev: 0.7884867

122.34 140.49

17.77 160.08

first angle mean: 126.7513

first angle stdev: 1.4665021

second angle mean: 16.267742

second angle stdev: 0.8227284

124.46 141.96

16.71 161.09

first angle mean: 126.67969

first angle stdev: 1.4974502

second angle mean: 16.281563

second angle stdev: 0.81341916

125.86 142.76

16.25 161.37

first angle mean: 126.65485

first angle stdev: 1.4812664

second angle mean: 16.280607

second angle stdev: 0.8010181

125.7 142.63

15.87 160.86

first angle mean: 126.62677

first angle stdev: 1.468211

second angle mean: 16.26853

second angle stdev: 0.79219407

127.73 142.16

15.6 160.75

first angle mean: 126.65829

first angle stdev: 1.4587102

second angle mean: 16.249428

second angle stdev: 0.78869855

126.37 142.46

16.53 160.35

first angle mean: 126.65028

first angle stdev: 1.4390877

second angle mean: 16.257223

second angle stdev: 0.77903295

126.76 141.69

16.6 160.57

first angle mean: 126.653244

first angle stdev: 1.4196187

second angle mean: 16.266485

second angle stdev: 0.7704412

123.15 141.01

16.97 161.58

first angle mean: 126.56105

first angle stdev: 1.5088902

second angle mean: 16.284998

second angle stdev: 0.7685316

119.12 141.94

17.78 161.26

first angle mean: 126.370255

first angle stdev: 1.8978124

second angle mean: 16.323334

second angle stdev: 0.79456604

117.0 143.17

17.88 162.21

first angle mean: 126.13601

first angle stdev: 2.3773549

second angle mean: 16.36225

second angle stdev: 0.821351

117.87 141.71

17.4 161.77

first angle mean: 125.9344

first angle stdev: 2.6720452

second angle mean: 16.387562

second angle stdev: 0.82691544

119.52 140.85

17.74 160.68

first angle mean: 125.78168

first angle stdev: 2.8153393

second angle mean: 16.419762

second angle stdev: 0.84262764

122.19 119.32

19.79 160.15

first angle mean: 125.69815

first angle stdev: 2.8345778

second angle mean: 16.498138

second angle stdev: 0.97545767

119.85 127.25

21.43 159.73

first angle mean: 125.56524

first angle stdev: 2.9345946

second angle mean: 16.610228

second angle stdev: 1.212489

114.89 142.08

21.49 157.76

first angle mean: 125.32802

first angle stdev: 3.3010075

second angle mean: 16.718666

second angle stdev: 1.3981632

114.22 146.5

20.24 157.54

first angle mean: 125.08654

first angle stdev: 3.644694

second angle mean: 16.795216

second angle stdev: 1.4751489

116.06 146.57

19.08 159.17

first angle mean: 124.89449

first angle stdev: 3.8337781

second angle mean: 16.84383

second angle stdev: 1.4961519

116.68 143.97

19.03 160.41

first angle mean: 124.72333

first angle stdev: 3.970912

second angle mean: 16.889376

second angle stdev: 1.5130537

117.15 140.41

18.48 160.13

first angle mean: 124.56877

first angle stdev: 4.073447

second angle mean: 16.921837

second angle stdev: 1.5143285

116.96 137.71

18.54 158.86

first angle mean: 124.416595

first angle stdev: 4.1708302

second angle mean: 16.954199

second angle stdev: 1.5161295

115.5 136.4

19.84 157.61

first angle mean: 124.24176

first angle stdev: 4.310812

second angle mean: 17.010784

second angle stdev: 1.5535978

114.67 136.28

20.9 156.96

first angle mean: 124.057686

first angle stdev: 4.466962

second angle mean: 17.085577

second angle stdev: 1.628662

117.78 135.55

19.49 157.36

first angle mean: 123.93923

first angle stdev: 4.5063076

second angle mean: 17.130943

second angle stdev: 1.6460602

115.86 135.9

20.79 156.76

first angle mean: 123.78961

first angle stdev: 4.5953403

second angle mean: 17.198704

second angle stdev: 1.7037269

115.83 135.44

20.5 156.59

first angle mean: 123.6449

first angle stdev: 4.6759152

second angle mean: 17.258726

second angle stdev: 1.7448388

119.33 136.53

18.89 155.65

first angle mean: 123.567856

first angle stdev: 4.6690774

second angle mean: 17.287857

second angle stdev: 1.7426323

123.6 137.64

18.07 154.48

first angle mean: 123.56842

first angle stdev: 4.627941

second angle mean: 17.301579

second angle stdev: 1.7303278

123.75 138.52

18.29 153.48

first angle mean: 123.57155

first angle stdev: 4.5879326

second angle mean: 17.31862

second angle stdev: 1.7201649

137.91 133.52

21.6 155.81

first angle mean: 123.814575

first angle stdev: 4.9109974

second angle mean: 17.391186

second angle stdev: 1.7928276

126.34 128.56

22.75 158.13

first angle mean: 123.85667

first angle stdev: 4.88062

second angle mean: 17.4805

second angle stdev: 1.9055966

102.76 129.31

21.82 158.09

first angle mean: 123.51081

first angle stdev: 5.53232

second angle mean: 17.551638

second angle stdev: 1.9686079

93.58 128.06

32.76 156.4

first angle mean: 123.02806

first angle stdev: 6.658011

second angle mean: 17.796934

second angle stdev: 2.7355607

95.74 126.16

56.67 154.2

first angle mean: 122.59492

first angle stdev: 7.4335403

second angle mean: 18.413967

second angle stdev: 5.5650454

103.37 119.9

81.94 153.52

first angle mean: 122.29454

first angle stdev: 7.751055

second angle mean: 19.406563

second angle stdev: 9.620611

110.72 108.41

93.94 154.42

first angle mean: 122.11647

first angle stdev: 7.8220153

second angle mean: 20.55323

second angle stdev: 13.23943

111.39 97.52

96.26 152.98

first angle mean: 121.95396

first angle stdev: 7.872342

second angle mean: 21.700302

second angle stdev: 16.067112

112.54 89.77

94.63 149.13

first angle mean: 121.813446

first angle stdev: 7.896313

second angle mean: 22.788805

second angle stdev: 18.234539

105.16 82.67

80.04 136.38

first angle mean: 121.56854

first angle stdev: 8.090323

second angle mean: 23.630735

second angle stdev: 19.367533

100.44 68.68

78.76 123.84

first angle mean: 121.262344

first angle stdev: 8.41907

second angle mean: 24.42971

second angle stdev: 20.324213

84.6robot count: 1

56.39

91.68 96.58

first angle mean: 120.73859

first angle stdev: 9.423144

second angle mean: 25.39043

second angle stdev: 21.699266

76.9 43.07

80.73 84.52

first angle mean: 120.12115

first angle stdev: 10.687922

second angle mean: 26.16986

second angle stdev: 22.511158

75.95 91.27

65.7 84.23

first angle mean: 119.50765

first angle stdev: 11.805388

second angle mean: 26.718891

second angle stdev: 22.827961

99.33 104.73

57.2 44.79

first angle mean: 119.23125

first angle stdev: 11.956541

second angle mean: 27.13644

second angle stdev: 22.946247

108.77 69.89

55.98 45.38

first angle mean: 119.08987

first angle stdev: 11.936746

second angle mean: 27.526217

second angle stdev: 23.03271

108.38 86.11

39.25 21.34

first angle mean: 118.94707

first angle stdev: 11.920362

second angle mean: 27.682533

second angle stdev: 22.918123

130.75 116.45

27.25 17.23

first angle mean: 119.10237

first angle stdev: 11.917813

second angle mean: 27.676842

second angle stdev: 22.766901

142.03 123.34

20.86 17.06

first angle mean: 119.40014

first angle stdev: 12.121386

second angle mean: 27.588312

second angle stdev: 22.631744

150.08 123.94

18.87 15.01

first angle mean: 119.79347

first angle stdev: 12.528245

second angle mean: 27.476542

second angle stdev: 22.507582

153.45 125.2

16.33 14.17

first angle mean: 120.219505

first angle stdev: 13.004899

second angle mean: 27.335445

second angle stdev: 22.399364

151.57 128.64

16.74 14.4

first angle mean: 120.611374

first angle stdev: 13.3845215

second angle mean: 27.203

second angle stdev: 22.290033

141.25 137.15

14.71 13.25

first angle mean: 120.86617

first angle stdev: 13.495462

second angle mean: 27.048765

second angle stdev: 22.194925

129.54 130.21

12.39 10.15

first angle mean: 120.971954

first angle stdev: 13.446663

second angle mean: 26.869999

second angle stdev: 22.117771

86.9 103.98

9.1 13.67

first angle mean: 120.561455

first angle stdev: 13.872725

second angle mean: 26.655903

second angle stdev: 22.069448

51.2 64.95

32.99 43.1

first angle mean: 119.735725

first angle stdev: 15.708389

second angle mean: 26.731308

second angle stdev: 21.948442

42.37 66.16

53.26 59.83

first angle mean: 118.82554

first angle stdev: 17.704212

second angle mean: 27.043411

second angle stdev: 22.005657

39.7 69.14

47.89 53.69

first angle mean: 117.90548

first angle stdev: 19.538387

second angle mean: 27.285812

second angle stdev: 21.991194

46.14 71.71

39.14 40.38

first angle mean: 117.08058

first angle stdev: 20.877712

second angle mean: 27.422066

second angle stdev: 21.900925

47.83 69.25

31.57 32.35

first angle mean: 116.29363

first angle stdev: 22.018227

second angle mean: 27.469206

second angle stdev: 21.78057

42.14 66.08

30.91 30.71

first angle mean: 115.46044

first angle stdev: 23.247467

second angle mean: 27.507864

second angle stdev: 21.660898

37.65 61.16

33.65 29.39

first angle mean: 114.59589

first angle stdev: 24.51457

second angle mean: 27.576109

second angle stdev: 21.54984

32.97 59.03

35.01 27.08

first angle mean: 113.6989

first angle stdev: 25.821949

second angle mean: 27.6578

second angle stdev: 21.44512

28.89 58.69

34.12 26.75

first angle mean: 112.777054

first angle stdev: 27.145084

second angle mean: 27.728043

second angle stdev: 21.338774

26.39 56.92

34.17 27.48

first angle mean: 111.84816

first angle stdev: 28.430862

second angle mean: 27.79731

second angle stdev: 21.234133

28.08 60.17

31.76 25.18

first angle mean: 110.95701

first angle stdev: 29.55623

second angle mean: 27.839468

second angle stdev: 21.124798

29.52 61.35

29.26 24.24

first angle mean: 110.09978

first angle stdev: 30.55243

second angle mean: 27.85442

second angle stdev: 21.01382

34.55 60.07

31.84 26.59

first angle mean: 109.31281

first angle stdev: 31.345877

second angle mean: 27.89594

second angle stdev: 20.908003

45.47 55.62

36.2 28.24

first angle mean: 108.65464

first angle stdev: 31.843695

second angle mean: 27.981548

second angle stdev: 20.816856

55.65 50.45

37.41 28.61

first angle mean: 108.11378

first angle stdev: 32.125526

second angle mean: 28.077757

second angle stdev: 20.73204

63.45 48.74

39.21 35.67

first angle mean: 107.662636

first angle stdev: 32.273384

second angle mean: 28.190203

second angle stdev: 20.657084

66.19 51.49

10.34 19.88

first angle mean: 107.24791

first angle stdev: 32.37566

second angle mean: 28.011702

second angle stdev: 20.63013

41.59 74.77

15.63 36.97

first angle mean: 106.59783

first angle stdev: 32.864346

second angle mean: 27.889109

second angle stdev: 20.564322

90.75 96.16

14.82 23.11

first angle mean: 106.44246

first angle stdev: 32.74011

second angle mean: 27.76098

second angle stdev: 20.503744

robot count: 2

131.68 117.72

23.11 10.15

first angle mean: 106.687485

first angle stdev: 32.67463

second angle mean: 27.715828

second angle stdev: 20.409061

130.46 123.32

10.8 5.28

first angle mean: 106.91606

first angle stdev: 32.59981

second angle mean: 27.553173

second angle stdev: 20.377676

138.77 126.94

7.3 8.12

first angle mean: 107.21943

first angle stdev: 32.591377

second angle mean: 27.360287

second angle stdev: 20.37558

155.86 140.97

5.45 4.71

first angle mean: 107.67831

first angle stdev: 32.77631

second angle mean: 27.153585

second angle stdev: 20.389551

154.71 144.72

6.66 8.82

first angle mean: 108.11785

first angle stdev: 32.935177

second angle mean: 26.962055

second angle stdev: 20.389626

155.84 156.85

6.44 6.82

first angle mean: 108.55972

first angle stdev: 33.099453

second angle mean: 26.772036

second angle stdev: 20.38997

156.5 161.23

3.58 2.35

first angle mean: 108.99954

first angle stdev: 33.26281

second angle mean: 26.559265

second angle stdev: 20.416317

154.01 163.49

4.95 1.23

first angle mean: 109.40873

first angle stdev: 33.385715

second angle mean: 26.362818

second angle stdev: 20.42653

151.17 157.35

6.78 3.67

first angle mean: 109.78495

first angle stdev: 33.46842

second angle mean: 26.186396

second angle stdev: 20.418325

140.39 136.16

9.6 7.12

first angle mean: 110.05821

first angle stdev: 33.44282

second angle mean: 26.038303

second angle stdev: 20.386759

131.79 131.9

7.11 5.42

first angle mean: 110.25053

first angle stdev: 33.356663

second angle mean: 25.870798

second angle stdev: 20.373623

111.42 109.93

3.12 7.41

first angle mean: 110.26079

first angle stdev: 33.21022

second angle mean: 25.67123

second angle stdev: 20.394703

57.43 75.38

6.4 21.38

first angle mean: 109.801384

first angle stdev: 33.427345

second angle mean: 25.503654

second angle stdev: 20.384512

37.8 31.42

25.36 35.28

first angle mean: 109.18068

first angle stdev: 33.942024

second angle mean: 25.502417

second angle stdev: 20.296461

47.73 25.5

41.19 48.08

first angle mean: 108.655464

first angle stdev: 34.266796

second angle mean: 25.636497

second angle stdev: 20.261068

43.47 27.78

39.26 39.43

first angle mean: 108.10304

first angle stdev: 34.64054

second angle mean: 25.751951

second angle stdev: 20.213646

42.72 33.4

30.52 26.9

first angle mean: 107.553604

first angle stdev: 35.007214

second angle mean: 25.792019

second angle stdev: 20.133242

45.59 41.09

25.62 22.18

first angle mean: 107.037254

first angle stdev: 35.313198

second angle mean: 25.790585

second angle stdev: 20.049183

39.6 35.26

27.19 25.03

first angle mean: 106.47992

first angle stdev: 35.693

second angle mean: 25.802149

second angle stdev: 19.966566

36.99 32.06

26.9 26.76

first angle mean: 105.91033

first angle stdev: 36.094376

second angle mean: 25.811148

second angle stdev: 19.884813

38.51 40.4

25.3 23.11

first angle mean: 105.36236

first angle stdev: 36.453327

second angle mean: 25.806992

second angle stdev: 19.80387

39.99 44.61

24.66 21.97

first angle mean: 104.83517

first angle stdev: 36.773834

second angle mean: 25.79774

second angle stdev: 19.72412

39.69 43.73

27.28 25.08

first angle mean: 104.31401

first angle stdev: 37.083363

second angle mean: 25.809599

second angle stdev: 19.645508

46.11 40.49

27.11 30.89

first angle mean: 103.85207

first angle stdev: 37.29524

second angle mean: 25.819921

second angle stdev: 19.567734

57.54 49.81

35.02 46.61

first angle mean: 103.48741

first angle stdev: 37.372955

second angle mean: 25.892363

second angle stdev: 19.5075

64.95 55.5

38.63 48.61

first angle mean: 103.18633

first angle stdev: 37.38098

second angle mean: 25.991875

second angle stdev: 19.463484

57.91 59.72

37.58 47.78

first angle mean: 102.83535

first angle stdev: 37.44694

second angle mean: 26.081705

second angle stdev: 19.414518

30.69 59.22

12.11 47.95

first angle mean: 102.28039

first angle stdev: 37.83143

second angle mean: 25.974232

second angle stdev: 19.378187

20.32 51.93

11.53 44.58

first angle mean: 101.65473

first angle stdev: 38.35595

second angle mean: 25.863972

second angle stdev: 19.344975

25.36 53.17

9.95 32.41

first angle mean: 101.076744

first angle stdev: 38.778828

second angle mean: 25.74341

second angle stdev: 19.320898

46.87 74.92

21.69 13.99

first angle mean: 100.669174

first angle stdev: 38.915512

second angle mean: 25.712933

second angle stdev: 19.25131

109.66 126.8

9.06 3.84

first angle mean: 100.73627

first angle stdev: 38.77776

second angle mean: 25.588657

second angle stdev: 19.232819

robot count: 3142.26

145.59

5.99 5.99

first angle mean: 101.04385

first angle stdev: 38.797592

second angle mean: 25.443481

second angle stdev: 19.235006

counter:1

159.18 156.23

4.59 4.46

first angle mean: 101.47133

first angle stdev: 38.972477

second angle mean: 25.290146

second angle stdev: 19.246792

156.75 158.25

4.06 6.92

first angle mean: 101.874825

first angle stdev: 39.11405

second angle mean: 25.135183

second angle stdev: 19.261385

156.09 156.72

7.29 8.15

first angle mean: 102.267685

first angle stdev: 39.242424

second angle mean: 25.00587

second angle stdev: 19.251062

147.33 148.09

2.33 5.46

first angle mean: 102.59187

first angle stdev: 39.286037

second angle mean: 24.842735

second angle stdev: 19.277185

132.58 135.55

3.63 0.81

first angle mean: 102.806076

first angle stdev: 39.22685

second angle mean: 24.691214

second angle stdev: 19.291103

106.59 111.5

8.71 6.45

first angle mean: 102.83291

first angle stdev: 39.08879

second angle mean: 24.577871

second angle stdev: 19.269299

16.32 69.09

19.52 37.1

first angle mean: 102.22366

first angle stdev: 39.61704

second angle mean: 24.542253

second angle stdev: 19.205986

8.41 32.84

8.58 46.56

first angle mean: 101.56762

first angle stdev: 40.24487

second angle mean: 24.43063

second angle stdev: 19.184881

41.1 30.97

36.13 38.65

first angle mean: 101.14771

first angle stdev: 40.418026

second angle mean: 24.511875

second angle stdev: 19.142822

49.63 43.99

46.02 38.71

first angle mean: 100.79242

first angle stdev: 40.503433

second angle mean: 24.660206

second angle stdev: 19.159561

46.47 36.74

25.14 27.55

first angle mean: 100.42035

first angle stdev: 40.612377

second angle mean: 24.663494

second angle stdev: 19.093874

37.51 36.86

20.95 24.05

first angle mean: 99.992386

first angle stdev: 40.803

second angle mean: 24.638231

second angle stdev: 19.031267

32.1 43.44

21.84 24.32

first angle mean: 99.53365

first angle stdev: 41.04351

second angle mean: 24.619326

second angle stdev: 18.968248

32.39 46.26

25.08 24.71

first angle mean: 99.08303

first angle stdev: 41.271267

second angle mean: 24.622416

second angle stdev: 18.904526

35.13 37.42

27.12 24.33

first angle mean: 98.65667

first angle stdev: 41.46139

second angle mean: 24.639067

second angle stdev: 18.8425

39.75 43.24

27.28 27.5

first angle mean: 98.266556

first angle stdev: 41.599163

second angle mean: 24.656557

second angle stdev: 18.781227

41.12 44.52

28.45 30.32

first angle mean: 97.890594

first angle stdev: 41.718693

second angle mean: 24.681515

second angle stdev: 18.721857

42.2 41.73

27.52 33.58

first angle mean: 97.5266

first angle stdev: 41.823586

second angle mean: 24.700068

second angle stdev: 18.661976

60.24 40.36

27.2 31.2

first angle mean: 97.284485

first angle stdev: 41.795013

second angle mean: 24.7163

second angle stdev: 18.60237

70.75 42.12

25.44 29.49

first angle mean: 97.1133

first angle stdev: 41.7141

second angle mean: 24.720968

second angle stdev: 18.542355

68.41 51.05

16.4 17.45

first angle mean: 96.9293

first angle stdev: 41.643238

second angle mean: 24.66763

second angle stdev: 18.494757

57.03 51.44

18.78 20.9

first angle mean: 96.675156

first angle stdev: 41.631588

second angle mean: 24.630129

second angle stdev: 18.44171

56.02 60.3

9.13 19.23

first angle mean: 96.417854

first angle stdev: 41.624687

second angle mean: 24.532026

second angle stdev: 18.424309

95.75 79.94

16.9 18.0

first angle mean: 96.41365

first angle stdev: 41.493618

second angle mean: 24.484026

second angle stdev: 18.376188

123.9 103.9

14.26 9.51

first angle mean: 96.585434

first angle stdev: 41.42043

second angle mean: 24.420124

second angle stdev: 18.336384

150.33 140.06

7.5 4.31

first angle mean: 96.91926

first angle stdev: 41.506927

second angle mean: 24.315031

second angle stdev: 18.327621

counter:2

164.95 168.6

2.72 10.19

first angle mean: 97.339195

first angle stdev: 41.720295

second angle mean: 24.181728

second angle stdev: 18.349092

163.42 163.19

4.43 9.36

first angle mean: 97.7446

first angle stdev: 41.910973

second angle mean: 24.060553

second angle stdev: 18.357624

164.38 163.14

2.59 4.81

first angle mean: 98.15092

first angle stdev: 42.103786

second angle mean: robot count: 423.929634

second angle stdev: 18.377737

162.85 165.15

1.55 5.12

first angle mean: 98.54303

first angle stdev: 42.2753

second angle mean: 23.794

second angle stdev: 18.404112

161.65 162.21

2.64 5.23

first angle mean: 98.923195

first angle stdev: 42.429718

second angle mean: 23.666565

second angle stdev: 18.421465

154.92 145.64

2.86 4.19

first angle mean: 99.2585

first angle stdev: 42.52252

second angle mean: 23.541977

second angle stdev: 18.436247

142.5 134.62

5.52 6.86

first angle mean: 99.51589

first angle stdev: 42.526054

second angle mean: 23.434702

second angle stdev: 18.433496

115.58 103.98

8.78 9.13

first angle mean: 99.61095

first angle stdev: 42.41795

second angle mean: 23.347988

second angle stdev: 18.413212

76.88 67.03

22.7 27.36

first angle mean: 99.47723

first angle stdev: 42.328712

second angle mean: 23.344177

second angle stdev: 18.359041

47.17 35.89

32.02 35.34

first angle mean: 99.17135

first angle stdev: 42.39279

second angle mean: 23.394913

second angle stdev: 18.317232

51.91 36.44

30.78 29.12

first angle mean: 98.896576

first angle stdev: 42.42182

second angle mean: 23.437849

second angle stdev: 18.272535

51.21 39.75

27.3 21.2

first angle mean: 98.620926

first angle stdev: 42.453236

second angle mean: 23.460175

second angle stdev: 18.222

38.23 33.51

26.32 26.06

first angle mean: 98.27385

first angle stdev: 42.576508

second angle mean: 23.47661

second angle stdev: 18.170849

31.84 27.62

22.0 27.87

first angle mean: 97.89423

first angle stdev: 42.74899

second angle mean: 23.468172

second angle stdev: 18.119198

36.23 31.46

24.67 28.14

first angle mean: 97.54385

first angle stdev: 42.8786

second angle mean: 23.475

second angle stdev: 18.067877

37.73 34.07

25.15 25.69

first angle mean: 97.205925

first angle stdev: 42.991695

second angle mean: 23.484463

second angle stdev: 18.017202

39.95 33.64

24.74 26.28

first angle mean: 96.88427

first angle stdev: 43.083828

second angle mean: 23.491518

second angle stdev: 17.966764

45.16 38.67

27.76 27.8

first angle mean: 96.595314

first angle stdev: 43.135937

second angle mean: 23.515364

second angle stdev: 17.919333

51.26 41.42

31.07 28.68

first angle mean: 96.343445

first angle stdev: 43.14773

second angle mean: 23.557335

second angle stdev: 17.87831

49.57 40.68

27.12 30.3

first angle mean: 96.08503

first angle stdev: 43.167824

second angle mean: 23.577017

second angle stdev: 17.830807

54.79 50.96

26.39 38.61

first angle mean: 95.85813

first angle stdev: 43.15716

second angle mean: 23.592472

second angle stdev: 17.78297

31.76 47.76

2.38 41.28

first angle mean: 95.507866

first angle stdev: 43.297707

second angle mean: 23.476557

second angle stdev: 17.80313

19.52 37.34

8.95 31.6

first angle mean: 95.094894

first angle stdev: 43.53979

second angle mean: 23.39761

second angle stdev: 17.786777

40.67 48.87

13.38 17.39

first angle mean: 94.8007

first angle stdev: 43.604942

second angle mean: 23.34346

second angle stdev: 17.753841

86.71 74.44

29.41 22.73

first angle mean: 94.7572

first angle stdev: 43.49159

second angle mean: 23.376076

second angle stdev: 17.711609

125.61 82.31

14.38 30.53

first angle mean: 94.92219

first angle stdev: 43.43347

second angle mean: 23.327969

second angle stdev: 17.676367

153.31 125.26

6.68 19.97

first angle mean: 95.232765

first angle stdev: 43.5255

second angle mean: 23.239416

second angle stdev: 17.670834

164.5 160.56

3.17 2.07

first angle mean: 95.59926

first angle stdev: 43.700085

second angle mean: 23.133228

second angle stdev: 17.684061

counter:3

160.72 161.22

0.58 3.08

first angle mean: 95.942

first angle stdev: 43.83889

second angle mean: 23.014528

second angle stdev: 17.712795

158.96 161.5

3.06 4.74

first angle mean: 96.271935

first angle stdev: 43.959858

second angle mean: 22.910053

second angle stdev: 17.724962

158.15 164.03

3.4 7.37

first angle mean: 96.594215

first angle stdev: 44.070885

second angle mean: 22.80844

second angle stdev: 17.734434

159.87 165.03

2.59 7.57

first angle mean: 96.92208

first angle stdev: 44.19069

second angle mean: 22.703678

second angle stdev: 17.74789

159.66 164.51

2.39 6.96

first angle mean: 97.24547

first angle stdev: 44.305027

second angle mean: 22.59897

second angle stdev: 17.761759

robot count: 5160.41

163.35

2.76 6.45

first angle mean: 97.56939

first angle stdev: 44.42099

second angle mean: 22.49723

second angle stdev: 17.77274

160.79 161.14

2.76 5.65

first angle mean: 97.89194

first angle stdev: 44.53588

second angle mean: 22.396532

second angle stdev: 17.78303

158.82 161.59

0.87 4.85

first angle mean: 98.20122

first angle stdev: 44.633224

second angle mean: 22.28726

second angle stdev: 17.803682

155.74 154.58

3.38 4.86

first angle mean: 98.49182

first angle stdev: 44.70682

second angle mean: 22.191769

second angle stdev: 17.809174

150.75 143.05

5.95 4.5

first angle mean: 98.754425

first angle stdev: 44.747185

second angle mean: 22.110151

second angle stdev: 17.801455

139.16 121.27

9.93 8.78

first angle mean: 98.95644

first angle stdev: 44.726067

second angle mean: 22.04925

second angle stdev: 17.777666

108.39 130.91

8.67 10.52

first angle mean: 99.00338

first angle stdev: 44.619606

second angle mean: 21.982689

second angle stdev: 17.758356

56.08 82.67

16.75 36.39

first angle mean: 98.79089

first angle stdev: 44.610863

second angle mean: 21.956785

second angle stdev: 17.71815

36.55 51.14

24.51 54.02

first angle mean: 98.484276

first angle stdev: 44.7137

second angle mean: 21.96936

second angle stdev: 17.67536

46.37 41.84

42.11 54.54

first angle mean: 98.22882

first angle stdev: 44.75223

second angle mean: 22.068089

second angle stdev: 17.688005

46.16 39.22

42.29 49.91

first angle mean: 97.97483

first angle stdev: 44.790104

second angle mean: 22.166733

second angle stdev: 17.700974

43.85 36.2

34.65 39.22

first angle mean: 97.71208

first angle stdev: 44.839344

second angle mean: 22.227331

second angle stdev: 17.67926

45.35 35.63

20.68 28.78

first angle mean: 97.45913

first angle stdev: 44.878002

second angle mean: 22.219856

second angle stdev: 17.63683

44.26 35.92

15.78 21.28

first angle mean: 97.20337

first angle stdev: 44.920967

second angle mean: 22.188894

second angle stdev: 17.600021

46.51 36.48

17.3 18.88

first angle mean: 96.96081

first angle stdev: 44.949696

second angle mean: 22.165503

second angle stdev: 17.561106

48.08 39.2

22.39 17.05

first angle mean: 96.72805

first angle stdev: 44.968628

second angle mean: 22.16657

second angle stdev: 17.519253

45.65 43.87

22.62 19.2

first angle mean: 96.48597

first angle stdev: 44.998882

second angle mean: 22.16872

second angle stdev: 17.477716

41.93 41.33

20.23 21.93

first angle mean: 96.22862

first angle stdev: 45.047993

second angle mean: 22.159576

second angle stdev: 17.43695

45.86 39.69

20.93 28.28

first angle mean: 95.99216

first angle stdev: 45.07382

second angle mean: 22.153805

second angle stdev: 17.396173

49.26 39.22

19.11 30.66

first angle mean: 95.77378

first angle stdev: 45.08118

second angle mean: 22.13958

second angle stdev: 17.356724

50.7 35.18

18.76 32.16

first angle mean: 95.56413

first angle stdev: 45.080658

second angle mean: 22.12386

second angle stdev: 17.317839

54.41 31.17

22.93 33.18

first angle mean: 95.37362

first angle stdev: 45.062866

second angle mean: 22.127592

second angle stdev: 17.277792

47.0 30.84

13.26 30.65

first angle mean: 95.150696

first angle stdev: 45.07813

second angle mean: 22.086727

second angle stdev: 17.248394

20.14 59.52

6.0 49.9

first angle mean: 94.8066

first angle stdev: 45.259342

second angle mean: 22.012936

second angle stdev: 17.243086

24.05 73.49

7.89 38.65

first angle mean: 94.48352

first angle stdev: 45.407173

second angle mean: 21.948448

second angle stdev: 17.230001

49.93 95.55

15.17 30.58

first angle mean: 94.281

first angle stdev: 45.402878

second angle mean: 21.917635

second angle stdev: 17.196844

120.45 121.95

3.85 11.54

first angle mean: 94.39941

first angle stdev: 45.334072

second angle mean: 21.835882

second angle stdev: 17.20069

148.32 137.51

7.48 1.16

first angle mean: 94.642296

first angle stdev: 45.375744

second angle mean: 21.771215

second angle stdev: 17.188808

counter:4

154.03 162.36

2.89 6.91

first angle mean: 94.908615

first angle stdev: 45.44744

second angle mean: 21.686548

second angle stdev: 17.196564

149.19 156.93

4.08 7.11

first angle mean: 95.15093

first angle stdev: 45.490044

second angle mean: 21.607944

second angle stdev: 17.198235

150.62 158.72

5.87 9.89

first angle mean: 95.39747

first angle stdev: 45.53857

second angle mean: 21.537998

second angle stdev: 17.191875

155.04 161.86

5.73 9.6

first angle mean: 95.66137

first angle stdev: 45.609818

second angle mean: 21.468052

second angle stdev: 17.185856

robot count: 6156.86

162.54

4.89 8.33

first angle mean: 95.93097

first angle stdev: 45.689358

second angle mean: 21.395021

second angle stdev: 17.183071

158.94 162.33

3.8 7.1

first angle mean: 96.20732

first angle stdev: 45.778797

second angle mean: 21.31785

second angle stdev: 17.184725

158.94 161.54

4.53 7.46

first angle mean: 96.48127

first angle stdev: 45.86564

second angle mean: 21.244541

second angle stdev: 17.182856

158.14 162.55

6.08 9.27

first angle mean: 96.74935

first angle stdev: 45.945274

second angle mean: 21.17861

second angle stdev: 17.174467

153.68 156.08

6.89 8.49

first angle mean: 96.995804

first angle stdev: 45.997826

second angle mean: 21.116753

second angle stdev: 17.162909

145.39 147.11

3.76 5.66

first angle mean: 97.20439

first angle stdev: 46.007946

second angle mean: 21.041939

second angle stdev: 17.163586

138.95 134.86

2.37 2.18

first angle mean: 97.38356

first angle stdev: 45.99015

second angle mean: 20.961803

second angle stdev: 17.170155

117.37 116.62

1.63 7.69

first angle mean: 97.46896

first angle stdev: 45.910294

second angle mean: 20.879189

second angle stdev: 17.179773

15.77 73.88

16.07 25.17

first angle mean: 97.12131

first angle stdev: 46.120148

second angle mean: 20.858723

second angle stdev: 17.146038

7.74 24.55

11.35 34.33

first angle mean: 96.742584

first angle stdev: 46.387104

second angle mean: 20.818432

second angle stdev: 17.120821

9.62 27.12

10.31 45.31

first angle mean: 96.37498

first angle stdev: 46.632347

second angle mean: 20.774092

second angle stdev: 17.098234

7.13 39.03

10.2 45.38

first angle mean: 96.0

first angle stdev: 46.89097

second angle mean: 20.729664

second angle stdev: 17.07598

29.99 46.97

14.77 31.2

first angle mean: 95.7238

first angle stdev: 46.986366

second angle mean: 20.704727

second angle stdev: 17.044561

48.47 43.73

18.69 20.02

first angle mean: 95.526924

first angle stdev: 46.98707

second angle mean: 20.696333

second angle stdev: 17.009508

47.93 31.53

21.57 15.64

first angle mean: 95.32942

first angle stdev: 46.9892

second angle mean: 20.699959

second angle stdev: 16.974276

42.54 25.26

21.12 17.24

first angle mean: 95.11128

first angle stdev: 47.014137

second angle mean: 20.701694

second angle stdev: 16.93919

41.06 29.18

20.67 20.01

first angle mean: 94.88885

first angle stdev: 47.044727

second angle mean: 20.701563

second angle stdev: 16.9043

30.9 33.27

22.08 19.93

first angle mean: 94.6266

first angle stdev: 47.125877

second angle mean: 20.707212

second angle stdev: 16.869854

38.86 33.85

23.81 20.6

first angle mean: 94.39898

first angle stdev: 47.16381

second angle mean: 20.719877

second angle stdev: 16.836552

44.17 30.13

29.95 27.52

first angle mean: 94.1948

first angle stdev: 47.17623

second angle mean: 20.7574

second angle stdev: 16.812557

40.4 19.71

34.2 30.93

first angle mean: 93.977005

first angle stdev: 47.2044

second angle mean: 20.811823

second angle stdev: 16.80019

48.99 29.97

26.54 28.79

first angle mean: 93.79561

first angle stdev: 47.195316

second angle mean: 20.834919

second angle stdev: 16.770214

57.15 49.17

21.46 26.38

first angle mean: 93.64844

first angle stdev: 47.157436

second angle mean: 20.837431

second angle stdev: 16.736551

29.58 35.34

12.25 25.3

first angle mean: 93.392166

first angle stdev: 47.236446

second angle mean: 20.803082

second angle stdev: 16.711838

38.95 59.8

26.74 16.63

first angle mean: 93.17527

first angle stdev: 47.266838

second angle mean: 20.826735

second angle stdev: 16.682705

80.73 76.95

33.14 12.38

first angle mean: 93.12588

first angle stdev: 47.17945

second angle mean: 20.875597

second angle stdev: 16.667559

119.59 103.49

5.51 0.6

first angle mean: 93.23048

first angle stdev: 47.115387

second angle mean: 20.814863

second angle stdev: 16.6625

151.96 154.37

6.75 1.31

first angle mean: 93.4617

first angle stdev: 47.166157

second angle mean: 20.75949

second angle stdev: 16.652977

counter:5

157.02 159.46

6.86 7.98

first angle mean: 93.710945

first angle stdev: 47.240887

second angle mean: 20.704983

second angle stdev: 16.64298

robot count: 7

156.12 156.59

5.48 6.78

first angle mean: 93.95473

first angle stdev: 47.308975

second angle mean: 20.645508

second angle stdev: 16.63757

156.69 162.2

2.22 6.25

first angle mean: 94.19884

first angle stdev: 47.378105

second angle mean: 20.573812

second angle stdev: 16.644745

155.67 160.05

2.11 5.34

first angle mean: 94.43709

first angle stdev: 47.440216

second angle mean: 20.502249

second angle stdev: 16.652025

153.05 154.84

3.15 4.96

first angle mean: 94.6634

first angle stdev: 47.487865

second angle mean: 20.435251

second angle stdev: 16.654652

147.69 128.99

1.54 1.22

first angle mean: 94.86735

first angle stdev: 47.50997

second angle mean: 20.362577

second angle stdev: 16.663687

141.07 125.34

8.64 4.43

first angle mean: 95.04436

first angle stdev: 47.504696

second angle mean: 20.317663

second angle stdev: 16.647493

100.85 111.93

5.84 6.79

first angle mean: 95.06653

first angle stdev: 47.415306

second angle mean: 20.262405

second angle stdev: 16.639658

9.33 50.78

13.5 23.29

first angle mean: 94.74053

first angle stdev: 47.61834

second angle mean: 20.236692

second angle stdev: 16.613209

10.32 8.91

7.2 19.79

first angle mean: 94.42077

first angle stdev: 47.81015

second angle mean: 20.187311

second angle stdev: 16.601042

37.97 14.38

18.01 20.39

first angle mean: 94.20774

first angle stdev: 47.845215

second angle mean: 20.179094

second angle stdev: 16.570227

27.55 25.32

23.73 37.57

first angle mean: 93.957146

first angle stdev: 47.929115

second angle mean: 20.192444

second angle stdev: 16.540478

30.86 36.37

16.52 28.51

first angle mean: 93.720825

first angle stdev: 47.994286

second angle mean: 20.178688

second angle stdev: 16.510998

34.54 40.58

12.15 17.05

first angle mean: 93.5

first angle stdev: 48.040363

second angle mean: 20.148731

second angle stdev: 16.487434

35.26 31.02

13.0 12.94

first angle mean: 93.2835

first angle stdev: 48.081795

second angle mean: 20.122156

second angle stdev: 16.46251

38.54 25.82

17.37 12.75

first angle mean: 93.08074

first angle stdev: 48.107742

second angle mean: 20.111963

second angle stdev: 16.432844

40.19 25.38

16.73 12.28

first angle mean: 92.885574

first angle stdev: 48.125874

second angle mean: 20.099483

second angle stdev: 16.40378

37.15 33.71

13.3 13.11

first angle mean: 92.680664

first angle stdev: 48.155613

second angle mean: 20.074484

second angle stdev: 16.378767

30.65 36.81

7.73 19.46

first angle mean: 92.453445

first angle stdev: 48.213192

second angle mean: 20.029266

second angle stdev: 16.365744

28.88 42.19

6.97 31.7

first angle mean: 92.22143

first angle stdev: 48.27758

second angle mean: 19.981606

second angle stdev: 16.354822

35.66 36.23

14.51 31.15

first angle mean: 92.015755

first angle stdev: 48.30984

second angle mean: 19.961708

second angle stdev: 16.328379

44.35 27.13

20.72 28.33

first angle mean: 91.84304

first angle stdev: 48.307213

second angle mean: 19.964457

second angle stdev: 16.298838

17.82 45.53

48.61 15.36

first angle mean: 91.57581

first angle stdev: 48.423878

second angle mean: 20.06787

second angle stdev: 16.35985

43.99 126.5

81.7 11.58

first angle mean: 91.40465

first angle stdev: 48.420586

second angle mean: 20.289568

second angle stdev: 16.74206

135.53 149.36

1.93 11.2

first angle mean: 91.5628

first angle stdev: 48.405617

second angle mean: 20.223763

second angle stdev: 16.748005

counter:6

151.87 140.15

8.83 6.46

first angle mean: 91.77818

first angle stdev: 48.452847

second angle mean: 20.183071

second angle stdev: 16.731882

145.77 132.28

13.67 5.79

first angle mean: 91.97032

first angle stdev: 48.473297

second angle mean: 20.159893

second angle stdev: 16.706587

142.72 124.61

8.52 5.48

first angle mean: 92.15028

first angle stdev: 48.481224

second angle mean: 20.118618

second angle stdev: 16.691284

148.33 133.39

8.77 6.38

first angle mean: 92.3488

first angle stdev: 48.510174

second angle mean: 20.078516

second angle stdev: 16.675375

154.23 145.7

9.01 6.25

first angle mean: 92.566696

first angle stdev: 48.56322

second angle mean: 20.039541

second angle stdev: 16.658895

156.75 150.91

8.27 6.16

first angle mean: 92.7919

first angle stdev: 48.62628

second angle mean: 19.998245

second angle stdev: 16.644201

154.19 147.32

8.64 5.97

first angle mean: 93.00658

first angle stdev: 48.6763

second angle mean: 19.958532

second angle stdev: 16.6286

150.31 146.97

5.9 1.59

first angle mean: 93.206245

first angle stdev: 48.708607

second angle mean: 19.909548

second angle stdev: 16.620262

robot count: 8140.1

ROBOT: Exercise bend\_elbows\_ball done

131.1

TRAINING: Exercise 6.46bend\_elbows\_ball done

4.16

first angle mean: 93.36906

first angle stdev: 48.70215

second angle mean: 19.862846

second angle stdev: 16.610233

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\Excel.py:287: UserWarning: Starting a Matplotlib GUI outside of the main thread will likely fail.

plt.plot(plot\_data['x'], plot\_data['y'])

Directory created or already exists: Patients/1111/Graphs/bend\_elbows\_ball/28-06-2024 15-19-02

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\Excel.py:287: UserWarning: Starting a Matplotlib GUI outside of the main thread will likely fail.

plt.plot(plot\_data['x'], plot\_data['y'])

Directory created or already exists: Patients/1111/Graphs/bend\_elbows\_ball/28-06-2024 15-19-02

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\Excel.py:287: UserWarning: Starting a Matplotlib GUI outside of the main thread will likely fail.

plt.plot(plot\_data['x'], plot\_data['y'])

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C:\Users\yaels\יעל פרוייקט גמר\zedcheck\Excel.py:287: UserWarning: Starting a Matplotlib GUI outside of the main thread will likely fail.

plt.plot(plot\_data['x'], plot\_data['y'])

Directory created or already exists: Patients/1111/Graphs/bend\_elbows\_ball/28-06-2024 15-19-02

CAMERA: Exercise bend\_elbows\_ball done

Robot Done

Exception in thread Thread-2:

Traceback (most recent call last):

File "C:\Users\yaels\anaconda3\envs\Gymmy\Lib\threading.py", line 1045, in \_bootstrap\_inner

self.run()

File "C:\Users\yaels\יעל פרוייקט גמר\zedcheck\TrainingNew.py", line 23, in run

self.finish\_training()

File "C:\Users\yaels\יעל פרוייקט גמר\zedcheck\TrainingNew.py", line 91, in finish\_training

self.check\_points\_and\_send\_email()

File "C:\Users\yaels\יעל פרוייקט גמר\zedcheck\TrainingNew.py", line 142, in check\_points\_and\_send\_email

if (s.points\_in\_current\_level\_before\_training + points\_in\_this\_training) < 100: #checks whether the sum of the points before the training and in it are less than 100

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

AttributeError: module 'Settings' has no attribute 'points\_in\_current\_level\_before\_training'