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

pygame 2.5.2 (SDL 2.28.3, Python 3.11.9)

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

CAMERA INITIALIZATION

ROBOT INITIALIZATION

screen start

CAMERA START

MP INITIALIZATION

MP START

ROBOT START

User ID entered: 55581599

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\ScreenNew.py:139: FutureWarning: Setting an item of incompatible dtype is deprecated and will raise in a future error of pandas. Value '0 314808981

1 11223344

2 31480898

3 55581599

4 1111

Name: ID, dtype: object' has dtype incompatible with int64, please explicitly cast to a compatible dtype first.

df.iloc[:, 0] = df.iloc[:, 0].astype(str)

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\ScreenNew.py:183: FutureWarning: Setting an item of incompatible dtype is deprecated and will raise in a future error of pandas. Value '0 314808981

1 11223344

2 43372

3 4327

4 55581599

5 43817

Name: ID, dtype: object' has dtype incompatible with int64, please explicitly cast to a compatible dtype first.

df1.iloc[:, 0] = df1.iloc[:, 0].astype(str)

['open\_arms\_above\_head\_ball', 'open\_arms\_and\_up\_with\_band', 'bend\_elbows\_and\_up\_stick']

Training: start exercises

CAMERA: Exercise hello\_waving start

CAMERA: Exercise hello\_waving done

TRAINING: Exercise bend\_elbows\_and\_up\_stick start

CAMERA: Exercise bend\_elbows\_and\_up\_stick start

ROBOT: Exercise bend\_elbows\_and\_up\_stick start

32.54 22.91

124.54 128.9

first angle mean: 32.54

first angle stdev: 0.0

second angle mean: 124.54

second angle stdev: 0.0

27.79 10.69

127.18 134.4

first angle mean: 30.165

first angle stdev: 2.375

second angle mean: 125.86

second angle stdev: 1.3199997

25.24 14.92

149.03 131.78

first angle mean: 28.523333

first angle stdev: 3.024989

second angle mean: 133.58333

second angle stdev: 10.975488

28.23 14.46

102.86 127.6

first angle mean: 28.45

first angle stdev: 2.6227946

second angle mean: 125.9025

second angle stdev: 16.350279

24.26 21.46

109.24 132.66

first angle mean: 27.612

first angle stdev: 2.8830917

second angle mean: 122.56999

second angle stdev: 16.071325

27.43 19.84

108.01 131.78

first angle mean: 27.581665

first angle stdev: 2.6327643

second angle mean: 120.14333

second angle stdev: 15.642351

25.51 16.32

111.08 130.57

first angle mean: 27.285711

first angle stdev: 2.5429842

second angle mean: 118.84857

second angle stdev: 14.825211

24.54 15.16

113.22 131.61

first angle mean: 26.942501

first angle stdev: 2.5461726

second angle mean: 118.145

second angle stdev: 13.99209

25.07 13.85

108.96 117.6

first angle mean: 26.734446

first angle stdev: 2.4716308

second angle mean: 117.12444

second angle stdev: 13.503988

24.81 18.55

111.78 93.61

first angle mean: 26.542002

first angle stdev: 2.4148245

second angle mean: 116.590004

second angle stdev: 12.910948

26.27 30.87

109.12 85.58

first angle mean: 26.517273

first angle stdev: 2.3037722

second angle mean: 115.91091

second angle stdev: 12.496015

27.95 39.92

108.06 93.82

first angle mean: 26.636667

first angle stdev: 2.2409575

second angle mean: 115.256676

second angle stdev: 12.159203

28.99 43.19

108.8 103.19

first angle mean: 26.817692

first angle stdev: 2.2425063

second angle mean: 114.76001

second angle stdev: 11.808199

29.97 42.61

113.11 111.03

first angle mean: 27.042858

first angle stdev: 2.308402

second angle mean: 114.64215

second angle stdev: 11.386597

31.51 41.45

118.91 113.06

first angle mean: 27.340668

first angle stdev: 2.4930182

second angle mean: 114.926674

second angle stdev: 11.051891

34.51 41.36

118.08 115.18

first angle mean: 27.78875

first angle stdev: 2.97294

second angle mean: 115.12375

second angle stdev: 10.728136

40.27 41.07

118.73 120.78

first angle mean: 28.52294

first angle stdev: 4.1161942

second angle mean: 115.33588

second angle stdev: 10.442353

48.14 41.52

119.89 125.65

first angle mean: 29.612776

first angle stdev: 6.0160966

second angle mean: 115.58888

second angle stdev: 10.201618

53.55 39.11

122.32 125.73

first angle mean: 30.87263

first angle stdev: 7.928346

second angle mean: 115.94315

second angle stdev: 10.04264

54.3 36.12

126.72 126.5

first angle mean: 32.044

first angle stdev: 9.262057

second angle mean: 116.481995

second angle stdev: 10.066208

50.83 36.55

130.66 124.08

first angle mean: 32.93857

first angle stdev: 9.884627

second angle mean: 117.157135

second angle stdev: 10.277145

47.16 35.8

131.94 126.82

first angle mean: 33.584995

first angle stdev: 10.101481

second angle mean: 117.82908

second angle stdev: 10.502411

44.06 35.9

132.09 127.04

first angle mean: 34.040432

first angle stdev: 10.107753

second angle mean: 118.44912

second angle stdev: 10.675338

42.67 36.05

133.61 125.3

first angle mean: 34.399998

first angle stdev: 10.044069

second angle mean: 119.08083

second angle stdev: 10.880832

41.85 36.9

136.82 120.22

first angle mean: 34.697998

first angle stdev: 9.948833

second angle mean: 119.7904

second angle stdev: 11.213405

41.98 38.18

138.65 115.86

first angle mean: 34.978073

first angle stdev: 9.855631

second angle mean: 120.51576

second angle stdev: 11.578354

41.27 40.02

138.51 113.41

first angle mean: 35.21111

first angle stdev: 9.74412

second angle mean: 121.18222

second angle stdev: 11.859228

39.53 40.28

137.08 115.73

first angle mean: 35.365356

first angle stdev: 9.602043

second angle mean: 121.75

second angle stdev: 12.013427

36.9 38.4

137.88 122.86

first angle mean: 35.418278

first angle stdev: 9.439194

second angle mean: 122.306206

second angle stdev: 12.165855

34.5 34.51

140.74 133.2

first angle mean: 35.38767

first angle stdev: 9.282003

second angle mean: 122.92066

second angle stdev: 12.410628

32.7 29.64

143.33 143.71

first angle mean: 35.30097

first angle stdev: 9.143408

second angle mean: 123.57903

second angle stdev: 12.730222

32.18 27.34

146.1 145.55

first angle mean: 35.203438

first angle stdev: 9.015776

second angle mean: 124.282814

second angle stdev: 13.128166

32.33 26.92

148.5 143.71

first angle mean: 35.116364

first angle stdev: 8.891775

second angle mean: 125.01666

second angle stdev: 13.577902

32.12 26.71

150.71 144.69

first angle mean: 35.028233

first angle stdev: 8.774654

second angle mean: 125.77235

second angle stdev: 14.063502

32.07 26.13

151.67 148.98

first angle mean: 34.94371

first angle stdev: 8.662426

second angle mean: 126.512276

second angle stdev: 14.5171

32.32 25.83

151.27 151.93

first angle mean: 34.87083

first angle stdev: 8.552143

second angle mean: 127.19999

second angle stdev: 14.8810425

32.46 25.69

150.54 153.75

first angle mean: 34.80567

first angle stdev: 8.444836

second angle mean: 127.8308

second angle stdev: 15.158681

32.56 26.49

149.52 153.73

first angle mean: 34.746574

first angle stdev: 8.340729

second angle mean: 128.40157

second angle stdev: 15.355532

32.8 27.39

149.05 153.67

first angle mean: 34.696663

first angle stdev: 8.238849

second angle mean: 128.93102

second angle stdev: 15.504784

33.04 28.05

149.0 152.92

first angle mean: 34.65525

first angle stdev: 8.139321

second angle mean: 129.43274

second angle stdev: 15.627083

33.72 28.56

147.01 150.12

first angle mean: 34.63244

first angle stdev: 8.040743

second angle mean: 129.86145

second angle stdev: 15.671671

35.01 28.83

144.22 146.5

first angle mean: 34.641426

first angle stdev: 7.944652

second angle mean: 130.20332

second angle stdev: 15.637951

37.14 29.29

140.65 142.01

first angle mean: 34.699535

first angle stdev: 7.860754

second angle mean: 130.44627

second angle stdev: 15.535037

40.17 31.96

137.84 140.97

first angle mean: 34.823864

first angle stdev: 7.813564

second angle mean: 130.6143

second angle stdev: 15.396969

41.15 31.06

126.71 124.35

first angle mean: 34.964443

first angle stdev: 7.7823296

second angle mean: 130.52754

second angle stdev: 15.235803

38.9 25.13

108.21 86.82

first angle mean: 35.05

first angle stdev: 7.7186403

second angle mean: 130.04237

second angle stdev: 15.416733

36.3 24.99

94.34 74.13

first angle mean: 35.0766

first angle stdev: 7.638216

second angle mean: 129.28275

second angle stdev: 16.098515

34.11 25.84

82.99 70.77

first angle mean: 35.056458

first angle stdev: 7.559493

second angle mean: 128.31834

second angle stdev: 17.247581

32.54 26.14

73.83 67.34

first angle mean: 35.0051

first angle stdev: 7.490413

second angle mean: 127.20634

second angle stdev: 18.728666

30.07 26.82

64.98 61.69

first angle mean: 34.9064

first angle stdev: 7.44725

second angle mean: 125.96181

second angle stdev: 20.485144

27.93 26.49

58.12 56.39

first angle mean: 34.769608

first angle stdev: 7.4370465

second angle mean: 124.63158

second angle stdev: 22.35819

26.06 25.37

52.91 52.11

first angle mean: 34.602116

first angle stdev: 7.461685

second angle mean: 123.25232

second angle stdev: 24.234186

25.42 23.84

51.04 48.97

first angle mean: 34.42887

first angle stdev: 7.4957995

second angle mean: 121.889824

second angle stdev: 25.937374

25.26 23.24

49.99 46.35

first angle mean: 34.259075

first angle stdev: 7.5282464

second angle mean: 120.55835

second angle stdev: 27.463598

26.34 23.18

52.27 46.29

first angle mean: 34.115093

first angle stdev: 7.5341578

second angle mean: 119.31674

second angle stdev: 28.70159

27.49 23.36

53.45 47.22

first angle mean: 33.996784

first angle stdev: 7.517957

second angle mean: 118.14054

second angle stdev: 29.751627

28.26 23.34

53.22 48.21

first angle mean: 33.89614

first angle stdev: 7.4896836

second angle mean: 117.00159

second angle stdev: 30.696491

28.67 23.27

52.53 49.1

first angle mean: 33.806034

first angle stdev: 7.4559364

second angle mean: 115.89

second angle stdev: 31.566727

28.79 23.55

53.13 49.35

first angle mean: 33.721016

first angle stdev: 7.4207807

second angle mean: 114.82627

second angle stdev: 32.32951

29.54 24.2

55.09 49.79

first angle mean: 33.651333

first angle stdev: 7.378122

second angle mean: 113.830666

second angle stdev: 32.958454

31.77 26.0

54.65 49.65

first angle mean: 33.620495

first angle stdev: 7.321294

second angle mean: 112.86049

second angle stdev: 33.539925

35.79 29.81

55.99 50.44

first angle mean: 33.655487

first angle stdev: 7.2671523

second angle mean: 111.94322

second angle stdev: 34.030964

42.51 35.8

62.22 54.43

first angle mean: 33.796036

first angle stdev: 7.293692

second angle mean: 111.15397

second angle stdev: 34.327034

48.72 42.09

66.99 58.91

first angle mean: 34.02922

first angle stdev: 7.4694333

second angle mean: 110.46391

second angle stdev: 34.49541

54.34 50.71

68.86 62.49

first angle mean: 34.341694

first angle stdev: 7.821958

second angle mean: 109.82385

second angle stdev: 34.609913

61.28 59.44

71.46 66.1

first angle mean: 34.74985

first angle stdev: 8.43116

second angle mean: 109.24258

second angle stdev: 34.66495

68.25 68.24

73.24 70.49

first angle mean: 35.249855

first angle stdev: 9.301808

second angle mean: 108.70523

second angle stdev: 34.681133

74.58 75.79

78.2 74.56

first angle mean: 35.82824

first angle stdev: 10.376158

second angle mean: 108.25663

second angle stdev: 34.620464

81.82 84.64

83.62 80.59

first angle mean: 36.49479

first angle stdev: 11.675432

second angle mean: 107.899574

second angle stdev: 34.494564

87.05 90.62

87.65 85.57

first angle mean: 37.217007

first angle stdev: 13.052149

second angle mean: 107.6103

second angle stdev: 34.331486

91.5 95.85

89.96 91.67

first angle mean: 37.981556

first angle stdev: 14.452566

second angle mean: 107.3617

second angle stdev: 34.152252

96.54 101.95

94.9 98.22

first angle mean: 38.79486

first angle stdev: 15.904101

second angle mean: 107.188614

second angle stdev: 33.945595

99.09 robot count: 1

105.58

100.56 103.8

first angle mean: 39.620823

first angle stdev: 17.279892

second angle mean: 107.09781

second angle stdev: 33.721092

100.6 108.4

104.7 110.72

first angle mean: 40.444866

first angle stdev: 18.550743

second angle mean: 107.06541

second angle stdev: 33.493614

103.07 111.07

108.09 118.17

first angle mean: 41.27987

first angle stdev: 19.77717

second angle mean: 107.07907

second angle stdev: 33.269783

106.16 113.69

110.77 125.7

first angle mean: 42.133556

first angle stdev: 20.991629

second angle mean: 107.12763

second angle stdev: 33.052856

108.0 117.3

113.69 134.72

first angle mean: 42.988964

first angle stdev: 22.148064

second angle mean: 107.21287

second angle stdev: 32.84593

109.28 122.07

119.82 146.26

first angle mean: 43.83885

first angle stdev: 23.235

second angle mean: 107.3745

second angle stdev: 32.665504

110.06 125.6

125.51 154.74

first angle mean: 44.67709

first angle stdev: 24.245377

second angle mean: 107.60406

second angle stdev: 32.52136

counter:1

111.17 128.96

131.23 163.81

first angle mean: 45.50825

first angle stdev: 25.20051

second angle mean: 107.89937

second angle stdev: 32.423885

111.09 127.91

131.32 162.02

first angle mean: 46.317905

first angle stdev: 26.07045

second angle mean: 108.188515

second angle stdev: 32.326733

111.23 127.48

131.57 161.16

first angle mean: 47.109516

first angle stdev: 26.872627

second angle mean: 108.473656

second angle stdev: 32.23134

111.78 126.6

133.04 159.87

first angle mean: 47.88868

first angle stdev: 27.626427

second angle mean: 108.76964

second angle stdev: 32.148506

112.03 125.29

134.08 160.21

first angle mean: 48.652264

first angle stdev: 28.328922

second angle mean: 109.07095

second angle stdev: 32.07426

110.79 123.16

134.58 161.61

first angle mean: 49.383293

first angle stdev: 28.947826

second angle mean: 109.371056

second angle stdev: 32.003445

109.48 120.32

134.66 162.86

first angle mean: 50.082092

first angle stdev: 29.491354

second angle mean: 109.665115

second angle stdev: 31.932129

107.82 117.91

133.92 163.34

first angle mean: 50.745747

first angle stdev: 29.960314

second angle mean: 109.94391

second angle stdev: 31.853178

105.32 114.88

131.47 162.78

first angle mean: 51.36591

first angle stdev: 30.346012

second angle mean: 110.18852

second angle stdev: 31.753754

104.66 113.27

133.59 161.46

first angle mean: 51.96472

first angle stdev: 30.69345

second angle mean: 110.451454

second angle stdev: 31.671055

103.77 110.73

133.41 157.01

first angle mean: 52.540337

first angle stdev: 31.001755

second angle mean: 110.70655

second angle stdev: 31.586422

100.46 105.68

127.26 147.45

first angle mean: 53.066925

first angle stdev: 31.233059

second angle mean: 110.88846

second angle stdev: 31.459759

94.93 99.11

116.85 133.53

first angle mean: 53.52196

first angle stdev: 31.364674

second angle mean: 110.953255

second angle stdev: 31.29442

88.67 91.84

108.52 118.74

first angle mean: 53.8999

first angle stdev: 31.405504

second angle mean: 110.927086

second angle stdev: 31.126728

79.05 82.0

102.95 105.56

first angle mean: 54.16745

first angle stdev: 31.344387

second angle mean: 110.842224

second angle stdev: 30.97153

70.77 74.41

97.77 98.32

first angle mean: 54.342213

first angle stdev: 31.224989

second angle mean: 110.70461

second angle stdev: 30.836964

61.24 65.47

91.63 91.46

first angle mean: 54.414062

first angle stdev: 31.069824

second angle mean: 110.50594

second angle stdev: 30.737005

53.05 55.69

84.52 84.85

first angle mean: 54.399998

first angle stdev: 30.909561

second angle mean: 110.23804

second angle stdev: 30.690607

46.51 44.26

79.08 78.55

first angle mean: 54.319485

first angle stdev: 30.761677

second angle mean: 109.920105

second angle stdev: 30.693768

43.72 37.89

75.76 74.4

first angle mean: 54.21242

first angle stdev: 30.62427

second angle mean: 109.57505

second angle stdev: 30.7288

40.11 29.18

73.52 69.57

first angle mean: 54.071396

first angle stdev: 30.503052

second angle mean: 109.21449

second angle stdev: 30.784512

36.98 25.84

72.46 65.85

first angle mean: 53.902176

first angle stdev: 30.39881

second angle mean: 108.850586

second angle stdev: 30.847137

33.53 24.2

72.64 65.35

first angle mean: 53.702446

first angle stdev: 30.31595

second angle mean: 108.495575

second angle stdev: 30.902199

31.04 22.78

74.78 67.12

first angle mean: 53.48242

first angle stdev: 30.250154

second angle mean: 108.16824

second angle stdev: 30.929012

29.82 22.06

78.87 72.42

first angle mean: 53.2549

first angle stdev: 30.192799

second angle mean: 107.88654

second angle stdev: 30.912458

30.91 22.02

83.34 82.16

first angle mean: 53.042095

first angle stdev: 30.12695

second angle mean: 107.65276

second angle stdev: 30.85714

31.52 21.81

85.64 87.85

first angle mean: 52.839058

first angle stdev: 30.056595

second angle mean: 107.44509

second angle stdev: 30.784876

31.22 21.57

86.68 90.24

first angle mean: 52.637012

first angle stdev: 29.988052

second angle mean: 107.25102

second angle stdev: 30.70576

31.17 21.62

85.54 90.25

first angle mean: 52.43824

first angle stdev: 29.919626

second angle mean: 107.049995

second angle stdev: 30.633932

28.78 21.5

83.58 86.97

first angle mean: 52.22119

first angle stdev: 29.867361

second angle mean: 106.83467

second angle stdev: 30.575077

28.02 22.68

83.68 86.51

first angle mean: 52.001183

first angle stdev: 29.819887

second angle mean: 106.624176

second angle stdev: 30.515022

26.57 25.31

87.55 89.46

first angle mean: 51.772068

first angle stdev: 29.782356

second angle mean: 106.45233

second angle stdev: 30.430674

25.31 24.63

91.66 96.58

first angle mean: 51.535805

first angle stdev: 29.753412

second angle mean: 106.320274

second angle stdev: 30.326458

24.39 21.82

95.67 102.1

first angle mean: 51.295578

first angle stdev: 29.730368

second angle mean: 106.22603

second angle stdev: 30.208443

24.5 22.12

95.87 100.35

first angle mean: 51.06053

first angle stdev: 29.704954

second angle mean: 106.135185

second angle stdev: 30.09116

25.7 22.27

91.02 93.59

first angle mean: 50.840004

first angle stdev: 29.6691

second angle mean: 106.003746

second angle stdev: 29.992891

26.36 22.51

79.29 78.32

first angle mean: 50.62897

first angle stdev: 29.627499

second angle mean: 105.77345

second angle stdev: 29.96527

26.29 22.74

63.02 59.79

first angle mean: 50.420944

first angle stdev: 29.585571

second angle mean: 105.408035

second angle stdev: 30.095383

25.52 22.51

50.36 46.55

first angle mean: 50.20992

first angle stdev: 29.548239

second angle mean: 104.94153

second angle stdev: 30.389458

25.22 22.1

43.79 39.09

first angle mean: 49.999924

first angle stdev: 29.51212

second angle mean: 104.42765

second angle stdev: 30.772045

26.05 22.89

44.16 38.8

first angle mean: 49.800335

first angle stdev: 29.469429

second angle mean: 103.92542

second angle stdev: 31.12947

27.91 24.3

48.16 42.63

first angle mean: 49.619423

first angle stdev: 29.414238

second angle mean: 103.464554

second angle stdev: 31.408972

31.0 27.12

53.44 48.83

first angle mean: 49.466805

first angle stdev: 29.341509

second angle mean: 103.05452

second angle stdev: 31.603497

38.23 32.63

60.44 55.41

first angle mean: 49.37545

first angle stdev: 29.239407

second angle mean: 102.70806

second angle stdev: 31.706547

50.74 45.52

69.97 65.82

first angle mean: 49.386456

first angle stdev: 29.121523

second angle mean: 102.444046

second angle stdev: 31.7139

60.76 60.89

78.32 75.05

first angle mean: 49.47744

first angle stdev: 29.022495

second angle mean: 102.25105

second angle stdev: 31.659813

69.79 71.31

84.68 83.87

first angle mean: 49.638653

first angle stdev: 28.963232

second angle mean: 102.1116

second angle stdev: 31.572449

80.81 82.6

90.18 94.51

first angle mean: 49.884098

first angle stdev: 28.980238

second angle mean: 102.01765

second angle stdev: 31.465582

88.12 90.04

92.93 101.01

first angle mean: 50.182808

first angle stdev: 29.062439

second angle mean: 101.94665

second angle stdev: 31.352636

93.88 95.89

95.11 106.88

first angle mean: 50.521553

first angle stdev: 29.202139

second angle mean: 101.89365

second angle stdev: 31.236633

97.44 robot count: 2

101.45

99.86 112.52

first angle mean: 50.88246

first angle stdev: 29.377005

second angle mean: 101.878006

second angle stdev: 31.116768

100.81 105.69

105.2 119.29

first angle mean: 51.26359

first angle stdev: 29.585535

second angle mean: 101.90336

second angle stdev: 30.999123

104.02 109.36

109.66 127.25

first angle mean: 51.66326

first angle stdev: 29.826132

second angle mean: 101.96212

second angle stdev: 30.888803

106.94 115.05

116.38 138.72

first angle mean: 52.078873

first angle stdev: 30.095026

second angle mean: 102.07053

second angle stdev: 30.797653

108.3 119.25

122.68 148.29

first angle mean: 52.498432

first angle stdev: 30.370441

second angle mean: 102.224335

second angle stdev: 30.733747

109.5 123.64

127.8 156.77

first angle mean: 52.920666

first angle stdev: 30.649977

second angle mean: 102.41378

second angle stdev: 30.698141

111.06 126.75

131.66 163.3

first angle mean: 53.348167

first angle stdev: 30.93841

second angle mean: 102.62883

second angle stdev: 30.686962

counter:2

113.82 129.04

133.39 168.95

first angle mean: 53.789566

first angle stdev: 31.252132

second angle mean: 102.853355

second angle stdev: 30.686684

114.63 128.92

131.99 168.82

first angle mean: 54.23044

first angle stdev: 31.563377

second angle mean: 103.0645

second angle stdev: 30.675007

114.27 128.71

131.1 166.96

first angle mean: 54.662376

first angle stdev: 31.856342

second angle mean: 103.2662

second angle stdev: 30.656166

113.43 127.92

130.14 162.88

first angle mean: 55.082146

first angle stdev: 32.12585

second angle mean: 103.458145

second angle stdev: 30.630203

112.65 126.17

130.0 157.72

first angle mean: 55.49043

first angle stdev: 32.374187

second angle mean: 103.646385

second angle stdev: 30.602552

111.21 122.77

128.72 151.36

first angle mean: 55.88282

first angle stdev: 32.594738

second angle mean: 103.82297

second angle stdev: 30.566605

108.61 119.12

126.95 144.82

first angle mean: 56.25154

first angle stdev: 32.776413

second angle mean: 103.984695

second angle stdev: 30.520447

106.18 116.56

124.91 142.74

first angle mean: 56.598263

first angle stdev: 32.92452

second angle mean: 104.130005

second angle stdev: 30.46389

105.02 114.3

124.92 141.88

first angle mean: 56.932205

first angle stdev: 33.0546

second angle mean: 104.273384

second angle stdev: 30.407375

104.13 112.35

124.26 141.68

first angle mean: 57.255478

first angle stdev: 33.170414

second angle mean: 104.41028

second angle stdev: 30.347866

102.3 107.75

121.29 139.94

first angle mean: 57.5619

first angle stdev: 33.2641

second angle mean: 104.5251

second angle stdev: 30.276274

97.57 101.73

116.17 134.67

first angle mean: 57.83223

first angle stdev: 33.313152

second angle mean: 104.60378

second angle stdev: 30.188892

93.26 96.0

108.93 126.88

first angle mean: 58.07

first angle stdev: 33.326942

second angle mean: 104.63282

second angle stdev: 30.089489

88.21 90.02

102.45 116.07

first angle mean: 58.270924

first angle stdev: 33.3061

second angle mean: 104.61827

second angle stdev: 29.98955

79.79 80.25

92.79 100.8

first angle mean: 58.41344

first angle stdev: 33.24148

second angle mean: 104.53993

second angle stdev: 29.905474

70.79 70.89

83.95 89.74

first angle mean: 58.494873

first angle stdev: 33.147064

second angle mean: 104.40448

second angle stdev: 29.853382

60.31 62.82

74.01 81.28

first angle mean: 58.506733

first angle stdev: 33.038883

second angle mean: 104.20582

second angle stdev: 29.856289

52.1 55.24

66.03 73.22

first angle mean: 58.465134

first angle stdev: 32.935463

second angle mean: 103.957924

second angle stdev: 29.916748

47.43 48.65

62.25 67.03

first angle mean: 58.39394

first angle stdev: 32.84093

second angle mean: 103.68884

second angle stdev: 30.006464

43.29 43.14

60.88 64.16

first angle mean: 58.29712

first angle stdev: 32.75769

second angle mean: 103.41443

second angle stdev: 30.104624

40.33 39.8

60.48 62.08

first angle mean: 58.18268

first angle stdev: 32.684467

second angle mean: 103.14096

second angle stdev: 30.202356

38.12 36.17

60.94 60.92

first angle mean: 58.055702

first angle stdev: 32.619698

second angle mean: 102.87387

second angle stdev: 30.292067

33.34 33.11

59.56 57.7

first angle mean: 57.900257

first angle stdev: 32.575607

second angle mean: 102.601456

second angle stdev: 30.390184

30.29 30.75

59.36 56.18

first angle mean: 57.727684

first angle stdev: 32.54647

second angle mean: 102.331184

second angle stdev: 30.486135

29.08 29.12

58.89 54.09

first angle mean: 57.54975

first angle stdev: 32.52321

second angle mean: 102.06136

second angle stdev: 30.582352

28.85 27.99

59.49 52.27

first angle mean: 57.372593

first angle stdev: 32.500504

second angle mean: 101.79858

second angle stdev: 30.669611

28.49 27.55

61.0 51.92

first angle mean: 57.195404

first angle stdev: 32.479053

second angle mean: 101.54828

second angle stdev: 30.740908

27.61 27.99

63.3 53.61

first angle mean: 57.015007

first angle stdev: 32.461693

second angle mean: 101.31506

second angle stdev: 30.791348

25.98 28.07

65.52 56.02

first angle mean: 56.826912

first angle stdev: 32.452686

second angle mean: 101.09812

second angle stdev: 30.823357

25.34 27.73

65.62 56.61

first angle mean: 56.63723

first angle stdev: 32.446404

second angle mean: 100.88439

second angle stdev: 30.852762

26.18 26.94

64.26 55.38

first angle mean: 56.454857

first angle stdev: 32.43434

second angle mean: 100.66509

second angle stdev: 30.889751

28.5 26.88

62.16 53.66

first angle mean: 56.288452

first angle stdev: 32.409084

second angle mean: 100.4359

second angle stdev: 30.939777

31.27 27.89

60.98 53.91

first angle mean: 56.140415

first angle stdev: 32.369976

second angle mean: 100.20243

second angle stdev: 30.99617

35.23 31.91

62.42 57.51

first angle mean: 56.01741

first angle stdev: 32.314217

second angle mean: 99.98017

second angle stdev: 31.039633

39.15 38.16

64.03 60.85

first angle mean: 55.91877

first angle stdev: 32.24525

second angle mean: 99.76994

second angle stdev: 31.069895

46.69 46.27

66.43 65.82

first angle mean: 55.865116

first angle stdev: 32.15903

second angle mean: 99.5761

second angle stdev: 31.082966

54.15 54.35

68.07 70.93

first angle mean: 55.855198

first angle stdev: 32.066216

second angle mean: 99.39399

second angle stdev: 31.084896

60.3 63.65

72.78 76.67

first angle mean: 55.88075

first angle stdev: 31.975702

second angle mean: 99.24104

second angle stdev: 31.060663

64.85 71.17

76.25 80.93

first angle mean: 55.932

first angle stdev: 31.891378

second angle mean: 99.109665

second angle stdev: 31.020239

73.83 79.73

79.7 87.28

first angle mean: 56.03369

first angle stdev: 31.829094

second angle mean: 98.99938

second angle stdev: 30.966372

80.28 85.64

83.41 92.8

first angle mean: 56.170673

first angle stdev: 31.791037

second angle mean: 98.9113

second angle stdev: 30.900871

86.92 93.18

88.68 99.91

first angle mean: 56.343422

first angle stdev: 31.784811

second angle mean: 98.85382

second angle stdev: 30.823435

90.85 98.09

92.36 105.29

first angle mean: 56.536198

first angle stdev: 31.80008

second angle mean: 98.81754

second angle stdev: 30.741028

94.56 103.63

99.25 111.71

first angle mean: 56.74744

first angle stdev: 31.837317

second angle mean: 98.81995

second angle stdev: 30.655535

96.47 106.68

105.81 118.7

first angle mean: 56.966904

first angle stdev: 31.885483

second angle mean: 98.85856

second angle stdev: 30.57512

99.53 108.92

110.53 125.73

first angle mean: 57.200764

first angle stdev: 31.953045

second angle mean: 98.92269

second angle stdev: 30.503214

102.19 111.26

113.72 133.3

first angle mean: 57.44661

first angle stdev: 32.037754

second angle mean: 99.00354

second angle stdev: 30.43931

104.51 115.38

118.34 143.08

first angle mean: 57.702393

first angle stdev: 32.13739

second angle mean: 99.10864

second angle stdev: 30.389751

105.83 118.34

122.99 150.92

first angle mean: 57.962543

first angle stdev: 32.244095

second angle mean: 99.23773

second angle stdev: 30.358047

107.51robot count: 3

121.17

127.87 157.85

first angle mean: 58.228924

first angle stdev: 32.360775

second angle mean: 99.39168

second angle stdev: 30.34864

109.74 123.34

132.5 164.03

first angle mean: 58.504387

first angle stdev: 32.492043

second angle mean: 99.568726

second angle stdev: 30.36355

111.81 124.45

135.28 167.41

first angle mean: 58.78793

first angle stdev: 32.636654

second angle mean: 99.758675

second angle stdev: 30.39389

counter:3

113.15 125.09

135.13 167.99

first angle mean: 59.075558

first angle stdev: 32.788246

second angle mean: 99.94583

second angle stdev: 30.421793

112.42 124.64

133.66 166.11

first angle mean: 59.356316

first angle stdev: 32.928844

second angle mean: 100.123276

second angle stdev: 30.439539

111.38 124.35

133.13 165.6

first angle mean: 59.628693

first angle stdev: 33.05643

second angle mean: 100.296074

second angle stdev: 30.45305

110.83 124.84

131.29 166.26

first angle mean: 59.895367

first angle stdev: 33.175583

second angle mean: 100.4575

second angle stdev: 30.455465

111.49 125.4

130.05 166.81

first angle mean: 60.162697

first angle stdev: 33.296215

second angle mean: 100.61083

second angle stdev: 30.45067

111.68 125.23

131.51 166.0

first angle mean: 60.42825

first angle stdev: 33.414566

second angle mean: 100.770096

second angle stdev: 30.452583

110.94 123.22

132.32 162.6

first angle mean: 60.687286

first angle stdev: 33.5235

second angle mean: 100.93189

second angle stdev: 30.457882

109.91 120.84

129.33 157.47

first angle mean: 60.938423

first angle stdev: 33.621265

second angle mean: 101.07679

second angle stdev: 30.447382

108.33 116.18

126.71 144.91

first angle mean: 61.17899

first angle stdev: 33.704517

second angle mean: 101.2069

second angle stdev: 30.42459

105.45 110.3

122.16 132.27

first angle mean: 61.40258

first angle stdev: 33.765453

second angle mean: 101.31273

second angle stdev: 30.383987

101.16 106.07

118.14 124.72

first angle mean: 61.602367

first angle stdev: 33.797626

second angle mean: 101.39728

second angle stdev: 30.330898

96.48 101.24

111.04 114.67

first angle mean: 61.77675

first angle stdev: 33.802666

second angle mean: 101.44551

second angle stdev: 30.262619

93.31 95.04

103.67 105.54

first angle mean: 61.93363

first angle stdev: 33.79138

second angle mean: 101.456566

second angle stdev: 30.187653

90.31 90.74

99.03 100.03

first angle mean: 62.074112

first angle stdev: 33.766426

second angle mean: 101.44456

second angle stdev: 30.113317

84.44 85.53

92.34 93.2

first angle mean: 62.184288

first angle stdev: 33.719532

second angle mean: 101.399704

second angle stdev: 30.045818

78.22 79.89

85.91 86.94

first angle mean: 62.262897

first angle stdev: 33.655426

second angle mean: 101.32378

second angle stdev: 29.991604

72.9 74.99

81.67 82.0

first angle mean: 62.31478

first angle stdev: 33.581417

second angle mean: 101.227905

second angle stdev: 29.949682

63.77 69.23

75.91 76.52

first angle mean: 62.32185

first angle stdev: 33.49996

second angle mean: 101.105

second angle stdev: 29.92868

56.33 64.6

71.64 72.47

first angle mean: 62.292904

first angle stdev: 33.42153

second angle mean: 100.962654

second angle stdev: 29.926117

49.41 56.39

66.97 68.08

first angle mean: 62.23096

first angle stdev: 33.352997

second angle mean: 100.79924

second angle stdev: 29.946543

47.59 53.22

64.15 65.78

first angle mean: 62.160908

first angle stdev: 33.288445

second angle mean: 100.62388

second angle stdev: 29.98167

45.51 48.71

62.16 62.43

first angle mean: 62.08162

first angle stdev: 33.22887

second angle mean: 100.44072

second angle stdev: 30.02718

43.77 43.82

60.83 58.91

first angle mean: 61.994835

first angle stdev: 33.17388

second angle mean: 100.253

second angle stdev: 30.079214

38.86 40.12

58.15 55.16

first angle mean: 61.885704

first angle stdev: 33.133488

second angle mean: 100.05439

second angle stdev: 30.146536

33.93 38.15

56.21 53.02

first angle mean: 61.754456

first angle stdev: 33.110813

second angle mean: 99.84856

second angle stdev: 30.224651

31.98 36.44

55.8 51.72

first angle mean: 61.615326

first angle stdev: 33.09571

second angle mean: 99.64272

second angle stdev: 30.30322

30.83 35.04

57.04 51.19

first angle mean: 61.472137

first angle stdev: 33.08503

second angle mean: 99.444565

second angle stdev: 30.371311

29.62 34.32

58.26 51.36

first angle mean: 61.324677

first angle stdev: 33.079098

second angle mean: 99.25389

second angle stdev: 30.42963

29.11 33.83

58.91 51.33

first angle mean: 61.176224

first angle stdev: 33.074837

second angle mean: 99.06797

second angle stdev: 30.482147

28.79 33.72

59.66 51.72

first angle mean: 61.027657

first angle stdev: 33.071373

second angle mean: 98.8872

second angle stdev: 30.528515

29.66 33.87

58.52 51.53

first angle mean: 60.884426

first angle stdev: 33.063484

second angle mean: 98.70287

second angle stdev: 30.58008

31.08 35.5

57.44 52.25

first angle mean: 60.74895

first angle stdev: 33.049118

second angle mean: 98.51532

second angle stdev: 30.636492

33.71 39.64

58.02 54.63

first angle mean: 60.62661

first angle stdev: 33.024162

second angle mean: 98.332085

second angle stdev: 30.68769

37.26 43.61

59.47 57.06

first angle mean: 60.52135

first angle stdev: 32.98683

second angle mean: 98.15702

second angle stdev: 30.728888

41.92 47.49

61.4 60.87

first angle mean: 60.43794

first angle stdev: 32.936245

second angle mean: 97.9922

second angle stdev: 30.758116

49.47 55.58

65.91 66.38

first angle mean: 60.388977

first angle stdev: 32.870777

second angle mean: 97.84898

second angle stdev: 30.763819

55.41 61.9

69.35 69.12

first angle mean: 60.366848

first angle stdev: 32.799324

second angle mean: 97.72232

second angle stdev: 30.75386

60.04 69.13

69.66 72.29

first angle mean: 60.3654

first angle stdev: 32.726685

second angle mean: 97.59815

second angle stdev: 30.74222

62.07 73.19

71.51 75.96

first angle mean: 60.37291

first angle stdev: 32.654713

second angle mean: 97.48322

second angle stdev: 30.72305

70.54 79.17

80.23 81.35

first angle mean: 60.417503

first angle stdev: 32.58995

second angle mean: 97.407555

second angle stdev: 30.676794

77.23 83.36

86.37 86.21

first angle mean: 60.490917

first angle stdev: 32.537605

second angle mean: 97.35936

second angle stdev: 30.618393

80.19 87.15

92.65 90.44

first angle mean: 60.57657

first angle stdev: 32.492653

second angle mean: 97.338875

second angle stdev: 30.553328

84.36 91.83

98.17 95.89

first angle mean: 60.679527

first angle stdev: 32.459824

second angle mean: 97.34248

second angle stdev: 30.487173

88.83 95.31

101.5 100.56

first angle mean: 60.800865

first angle stdev: 32.442253

second angle mean: 97.3604

second angle stdev: 30.422617

93.47 98.86

104.8 105.24

first angle mean: 60.94107

first angle stdev: 32.442924

second angle mean: 97.39232

second angle stdev: 30.361156

97.08 102.66

109.23 111.96

first angle mean: 61.095512

first angle stdev: 32.459248

second angle mean: 97.44291

second angle stdev: 30.306051

100.5 106.77

112.21 121.94

first angle mean: 61.26319

first angle stdev: 32.491516

second angle mean: 97.50575

second angle stdev: 30.256775

102.35 108.87

114.64 128.99

first angle mean: 61.437286

first angle stdev: 32.53226

second angle mean: 97.578354

second angle stdev: 30.213112

104.15 111.36

117.33 135.56

first angle mean: 61.617508

first angle stdev: 32.5814

second angle mean: 97.66169

second angle stdev: 30.176477

105.59 114.17

120.44 142.3

first angle mean: 61.802265

first angle stdev: 32.63706

second angle mean: 97.7574

second angle stdev: 30.149036

107.01 117.69

126.63 151.56

first angle mean: 61.99142

first angle stdev: 32.699177

second angle mean: 97.878204

second angle stdev: 30.143564

robot count: 4

108.14 120.14

130.16 156.91

first angle mean: 62.18371

first angle stdev: 32.766106

second angle mean: 98.01271

second angle stdev: 30.15249

108.4 121.07

131.08 158.98

first angle mean: 62.375477

first angle stdev: 32.832745

second angle mean: 98.14992

second angle stdev: 30.164854

109.15 122.72

133.22 163.77

first angle mean: 62.568764

first angle stdev: 32.901943

second angle mean: 98.29484

second angle stdev: 30.186417

109.45 122.5

133.75 164.79

first angle mean: 62.761692

first angle stdev: 32.971054

second angle mean: 98.44075

second angle stdev: 30.20963

109.53 122.08

133.12 164.8

first angle mean: 62.953365

first angle stdev: 33.038803

second angle mean: 98.58287

second angle stdev: 30.228962

109.11 121.47

131.96 164.33

first angle mean: 63.14176

first angle stdev: 33.10238

second angle mean: 98.7191

second angle stdev: 30.242172

107.8 121.39

129.97 164.6

first angle mean: 63.3233

first angle stdev: 33.15701

second angle mean: 98.84614

second angle stdev: 30.246073

107.25 121.21

128.83 164.16

first angle mean: 63.501137

first angle stdev: 33.207176

second angle mean: 98.96753

second angle stdev: 30.244772

106.45 120.45

129.77 162.75

first angle mean: 63.674313

first angle stdev: 33.25174

second angle mean: 99.091736

second angle stdev: 30.246786

107.01 119.5

130.51 161.31

first angle mean: 63.848354

first angle stdev: 33.29789

second angle mean: 99.21792

second angle stdev: 30.25132

108.17 118.02

130.05 159.17

first angle mean: 64.02564

first angle stdev: 33.348778

second angle mean: 99.34124

second angle stdev: 30.253412

107.89 116.33

128.71 156.79

first angle mean: 64.2004

first angle stdev: 33.396782

second angle mean: 99.45825

second angle stdev: 30.249714

107.45 114.37

127.88 153.16

first angle mean: 64.372025

first angle stdev: 33.441177

second angle mean: 99.57103

second angle stdev: 30.242466

107.01 112.84

126.05 147.73

first angle mean: 64.54056

first angle stdev: 33.48208

second angle mean: 99.6757

second angle stdev: 30.228333

106.03 110.73

122.95 141.75

first angle mean: 64.703896

first angle stdev: 33.516956

second angle mean: 99.76733

second angle stdev: 30.203955

103.3 108.19

117.83 134.25

first angle mean: 64.855255

first angle stdev: 33.538036

second angle mean: 99.83816

second angle stdev: 30.165804

99.02 105.1

111.95 124.23

first angle mean: 64.98871

first angle stdev: 33.54024

second angle mean: 99.88547

second angle stdev: 30.116308

94.2 101.72

105.49 114.45

first angle mean: 65.10237

first angle stdev: 33.524284

second angle mean: 99.90728

second angle stdev: 30.059685

89.09 96.69

100.14 105.25

first angle mean: 65.19534

first angle stdev: 33.492435

second angle mean: 99.90819

second angle stdev: 30.001375

81.87 90.0

95.0 95.75

first angle mean: 65.25973

first angle stdev: 33.44371

second angle mean: 99.88924

second angle stdev: 29.944948

76.02 83.87

90.74 88.91

first angle mean: 65.30111

first angle stdev: 33.385975

second angle mean: 99.85404

second angle stdev: 29.892673

71.08 77.94

85.79 82.84

first angle mean: 65.32326

first angle stdev: 33.323868

second angle mean: 99.80016

second angle stdev: 29.848001

63.04 70.89

76.29 76.06

first angle mean: 65.314545

first angle stdev: 33.260513

second angle mean: 99.710434

second angle stdev: 29.826235

53.63 62.41

70.32 70.67

first angle mean: 65.27011

first angle stdev: 33.205006

second angle mean: 99.59868

second angle stdev: 29.82438

48.4 57.38

69.34 67.27

first angle mean: 65.206215

first angle stdev: 33.158257

second angle mean: 99.484055

second angle stdev: 29.825817

44.14 54.47

70.07 64.63

first angle mean: 65.12672

first angle stdev: 33.12083

second angle mean: 99.373055

second angle stdev: 29.824066

40.38 51.01

67.47 62.14

first angle mean: 65.03369

first angle stdev: 33.093185

second angle mean: 99.25313

second angle stdev: 29.831915

38.06 46.24

65.18 61.56

first angle mean: 64.932655

first angle stdev: 33.072224

second angle mean: 99.12551

second angle stdev: 29.84865

36.4 42.6

64.29 60.25

first angle mean: 64.826195

first angle stdev: 33.056274

second angle mean: 98.99552

second angle stdev: 29.868523

33.87 41.32

63.27 58.1

first angle mean: 64.71111

first angle stdev: 33.04851

second angle mean: 98.86272

second angle stdev: 29.892126

31.66 41.93

62.55 55.84

first angle mean: 64.5887

first angle stdev: 33.048294

second angle mean: 98.728226

second angle stdev: 29.918146

29.83 42.32

61.05 53.72

first angle mean: 64.46045

first angle stdev: 33.05452

second angle mean: 98.589195

second angle stdev: 29.950153

28.48 41.42

60.45 51.6

first angle mean: 64.32817

first angle stdev: 33.065487

second angle mean: 98.448975

second angle stdev: 29.98403

27.33 39.46

61.57 50.45

first angle mean: 64.192635

first angle stdev: 33.080467

second angle mean: 98.31389

second angle stdev: 30.011873

27.02 37.0

62.82 49.83

first angle mean: 64.05697

first angle stdev: 33.096043

second angle mean: 98.18435

second angle stdev: 30.03342

26.52 34.88

64.58 49.85

first angle mean: 63.920475

first angle stdev: 33.11299

second angle mean: 98.06214

second angle stdev: 30.046926

25.41 33.67

66.74 50.86

first angle mean: 63.780945

first angle stdev: 33.133842

second angle mean: 97.94867

second angle stdev: 30.05143

26.42 33.29

66.34 51.98

first angle mean: 63.64607

first angle stdev: 33.149796

second angle mean: 97.83456

second angle stdev: 30.056978

28.42 33.78

65.43 52.59

first angle mean: 63.519356

first angle stdev: 33.157253

second angle mean: 97.717995

second angle stdev: 30.065525

31.32 36.45

64.34 54.34

first angle mean: 63.40394

first angle stdev: 33.15367

second angle mean: 97.59836

second angle stdev: 30.077814

35.17 39.58

65.73 56.49

first angle mean: 63.303112

first angle stdev: 33.13725

second angle mean: 97.48454

second angle stdev: 30.08418

39.99 41.84

66.88 59.99

first angle mean: 63.220146

first angle stdev: 33.10735

second angle mean: 97.375626

second angle stdev: 30.085852

46.46 50.48

70.74 64.77

first angle mean: 63.16071

first angle stdev: 33.06361

second angle mean: 97.281166

second angle stdev: 30.074167

52.49 57.47

72.69 68.09

first angle mean: 63.123013

first angle stdev: 33.011215

second angle mean: 97.194275

second angle stdev: 30.05643

59.08 64.97

74.06 71.65

first angle mean: 63.10877

first angle stdev: 32.953915

second angle mean: 97.112816

second angle stdev: 30.034744

61.45 71.2

75.07 75.08

first angle mean: 63.102955

first angle stdev: 32.8962

second angle mean: 97.03547

second angle stdev: 30.010323

64.99 74.38

77.61 79.11

first angle mean: 63.109554

first angle stdev: 32.838825

second angle mean: 96.967545

second angle stdev: 29.979748

70.89 77.73

82.2 82.69

first angle mean: 63.136665

first angle stdev: 32.78477

second angle mean: 96.91611

second angle stdev: 29.94012

76.33 82.7

86.83 87.82

first angle mean: 63.18247

first angle stdev: 32.737003

second angle mean: 96.88107

second angle stdev: 29.893986

77.98 87.77

91.16 91.99

first angle mean: 63.233673

first angle stdev: 32.691868

second angle mean: 96.86128

second angle stdev: 29.84411

79.98 91.35

93.36 95.31

first angle mean: 63.291412

first angle stdev: 32.65021

second angle mean: 96.84921

second angle stdev: 29.793318

83.55 94.61

95.89 98.98

first angle mean: 63.361034

first angle stdev: 32.61562

second angle mean: 96.84591

second angle stdev: 29.742136

89.48 98.51

100.72 103.85

first angle mean: 63.45048

first angle stdev: 32.59546

second angle mean: 96.859184

second angle stdev: 29.692026

93.72 101.91

104.18 109.19

first angle mean: 63.553787

first angle stdev: 32.58764

second angle mean: 96.88417

second angle stdev: 29.644388

96.18 105.64

108.27 116.47

first angle mean: 63.66477

first angle stdev: 32.58758

second angle mean: 96.9229

second angle stdev: 29.601353

98.84 109.17

112.07 125.47

first angle mean: 63.784004

first angle stdev: 32.59648

second angle mean: 96.97424

second angle stdev: 29.56425

robot count: 5101.88

ROBOT: Exercise bend\_elbows\_and\_up\_stick 111.46 done

114.57 131.35

first angle mean: 63.912704

first angle stdev: 32.616367

TRAINING: Exercise second angle mean: 97.03368bend\_elbows\_and\_up\_stick

second angle stdev: 29.531925

done

Directory created or already exists: Patients/55581599/Graphs/bend\_elbows\_and\_up\_stick/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/bend\_elbows\_and\_up\_stick/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/bend\_elbows\_and\_up\_stick/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/bend\_elbows\_and\_up\_stick/09-07-2024 11-26-49

CAMERA: Exercise bend\_elbows\_and\_up\_stick done

CAMERA: Exercise hello\_waving start

CAMERA: Exercise hello\_waving done

TRAINING: Exercise open\_arms\_above\_head\_ball start

CAMERA: Exercise open\_arms\_above\_head\_ball start

ROBOT: Exercise open\_arms\_above\_head\_ball start

22.8 38.88

120.66 178.53

first angle mean: 22.8

first angle stdev: 0.0

second angle mean: 120.66

second angle stdev: 0.0

23.86 22.28

109.88 143.51

first angle mean: 23.33

first angle stdev: 0.5300007

second angle mean: 115.270004

second angle stdev: 5.390003

35.24 23.29

106.65 148.78

first angle mean: 27.300001

first angle stdev: 5.631081

second angle mean: 112.39667

second angle stdev: 5.990006

27.37 42.72

121.62 178.63

first angle mean: 27.317501

first angle stdev: 4.8767533

second angle mean: 114.7025

second angle stdev: 6.5468116

22.45 40.37

121.26 178.53

first angle mean: 26.344

first angle stdev: 4.7767134

second angle mean: 116.014

second angle stdev: 6.4162855

21.56 39.87

121.17 178.48

first angle mean: 25.546667

first angle stdev: 4.71093

second angle mean: 116.87333

second angle stdev: 6.1643763

21.96 43.43

124.61 178.41

first angle mean: 25.034285

first angle stdev: 4.538464

second angle mean: 117.97857

second angle stdev: 6.3166714

21.94 41.5

122.69 178.41

first angle mean: 24.647501

first angle stdev: 4.366941

second angle mean: 118.5675

second angle stdev: 6.1106997

23.49 42.08

122.3 178.4

first angle mean: 24.51889

first angle stdev: 4.13323

second angle mean: 118.982216

second angle stdev: 5.879426

23.86 41.25

120.7 178.4

first angle mean: 24.453001

first angle stdev: 3.9261055

second angle mean: 119.15399

second angle stdev: 5.601469

24.17 40.5

119.81 178.42

first angle mean: 24.427275

first angle stdev: 3.7442787

second angle mean: 119.21362

second angle stdev: 5.3441195

23.63 38.51

120.59 178.45

first angle mean: 24.360834

first angle stdev: 3.59164

second angle mean: 119.328316

second angle stdev: 5.1307263

22.81 38.75

120.06 178.44

first angle mean: 24.241539

first angle stdev: 3.4753926

second angle mean: 119.3846

second angle stdev: 4.9332967

21.97 39.09

119.84 178.43

first angle mean: 24.079287

first angle stdev: 3.3996842

second angle mean: 119.41712

second angle stdev: 4.75529

21.35 25.6

119.36 140.1

first angle mean: 23.897335

first angle stdev: 3.3542244

second angle mean: 119.413315

second angle stdev: 4.5940685

19.03 20.36

119.49 109.09

first angle mean: 23.593126

first angle stdev: 3.4548209

second angle mean: 119.41812

second angle stdev: 4.4482265

17.91 22.11

118.93 102.32

first angle mean: 23.258825

first angle stdev: 3.6085734

second angle mean: 119.38941

second angle stdev: 4.3169417

17.5 23.95

119.1 101.29

first angle mean: 22.93889

first angle stdev: 3.7467928

second angle mean: 119.37333

second angle stdev: 4.195837

17.18 23.89

119.83 104.0

first angle mean: 22.63579

first angle stdev: 3.8669417

second angle mean: 119.39737

second angle stdev: 4.085201

18.28 22.99

118.0 106.38

first angle mean: 22.418001

first angle stdev: 3.8867452

second angle mean: 119.3275

second angle stdev: 3.993391

20.05 21.99

114.94 109.2

first angle mean: 22.305239

first angle stdev: 3.8264506

second angle mean: 119.11857

second angle stdev: 4.007593

21.41 21.29

113.97 112.53

first angle mean: 22.264545

first angle stdev: 3.743122

second angle mean: 118.884544

second angle stdev: 4.059667

22.74 23.0

116.1 114.86

first angle mean: 22.285217

first angle stdev: 3.6621292

second angle mean: 118.76348

second angle stdev: 4.010835

20.42 25.58

122.95 121.47

first angle mean: 22.207499

first angle stdev: 3.604346

second angle mean: 118.93792

second angle stdev: 4.0145206

17.83 28.64

129.43 122.55

first angle mean: 22.0324

first angle stdev: 3.6342123

second angle mean: 119.3576

second angle stdev: 4.438348

16.12 29.23

137.09 123.51

first angle mean: 21.805

first angle stdev: 3.7406266

second angle mean: 120.03962

second angle stdev: 5.5290055

15.86 26.7

140.42 127.49

first angle mean: 21.584814

first angle stdev: 3.8385642

second angle mean: 120.79444

second angle stdev: 6.652189

21.01 25.89

138.08 129.36

first angle mean: 21.564285

first angle stdev: 3.7709043

second angle mean: 121.41179

second angle stdev: 7.2774434

28.84 31.18

135.46 118.37

first angle mean: 21.815172

first angle stdev: 3.9359648

second angle mean: 121.89621

second angle stdev: 7.5964155

38.69 44.61

135.31 114.69

first angle mean: 22.377666

first angle stdev: 4.9143686

second angle mean: 122.34334

second angle stdev: 7.847277

46.57 58.57

139.98 125.71

first angle mean: 23.158066

first angle stdev: 6.453106

second angle mean: 122.91226

second angle stdev: 8.324877

52.4 68.16

146.48 137.74

first angle mean: 24.071875

first angle stdev: 8.138046

second angle mean: 123.64874

second angle stdev: 9.16258

60.26 79.87

153.51 147.77

first angle mean: 25.168486

first angle stdev: 10.134229

second angle mean: 124.55362

second angle stdev: 10.373574

64.23 81.71

158.69 150.51

first angle mean: 26.317352

first angle stdev: 11.968231

second angle mean: 125.55763

second angle stdev: 11.7350445

66.4 77.15

163.23 151.1

first angle mean: 27.462572

first angle stdev: 13.554995

second angle mean: 126.63399

second angle stdev: 13.159287

69.27 70.91

171.04 153.29

first angle mean: 28.623888

first angle stdev: 15.027878

second angle mean: 127.867485

second angle stdev: 14.886569

70.12 72.96

176.27 155.57

first angle mean: 29.745403

first angle stdev: 16.279255

second angle mean: 129.17566

second angle stdev: 16.65017

69.18 80.59

178.71 159.15

first angle mean: 30.783157

first angle stdev: 17.25939

second angle mean: 130.4792

second angle stdev: 18.242895

68.9 88.13

178.75 159.11

first angle mean: 31.760513

first angle stdev: 18.070608

second angle mean: 131.7169

second angle stdev: 19.557177

69.31 83.8

179.51 161.67

first angle mean: 32.69925

first angle stdev: 18.781668

second angle mean: 132.91174

second angle stdev: 20.702608

69.78 80.21

176.84 167.04

first angle mean: 33.603657

first angle stdev: 19.413025

second angle mean: 133.98315

second angle stdev: 21.5421

69.79 76.31

173.25 171.54

first angle mean: 34.46524

first angle stdev: 19.958147

second angle mean: 134.91809

second angle stdev: 22.10996

70.31 73.52

171.45 174.29

first angle mean: 35.29884

first angle stdev: 20.451149

second angle mean: 135.76767

second angle stdev: 22.534346

71.22 72.92

172.1 174.99

first angle mean: 36.11523

first angle stdev: 20.914183

second angle mean: 136.5934

second angle stdev: 22.92542

71.94 73.73

173.21 174.66

first angle mean: 36.911335

first angle stdev: 21.344074

second angle mean: 137.4071

second angle stdev: 23.302969

72.44 75.74

172.75 173.34

first angle mean: 37.683693

first angle stdev: 21.7373

second angle mean: 138.17543

second angle stdev: 23.617535

72.93 77.98

172.58 172.82

first angle mean: 38.433617

first angle stdev: 22.098108

second angle mean: 138.90744

second angle stdev: 23.886581

74.05 77.55

173.87 173.11

first angle mean: 39.175625

first angle stdev: 22.450613

second angle mean: 139.63582

second angle stdev: 24.158178

75.01 76.89

175.74 173.51

first angle mean: 39.906937

first angle stdev: 22.790678

second angle mean: 140.37265

second angle stdev: 24.44926

75.96 75.57

176.49 173.04

first angle mean: 40.628

first angle stdev: 23.119328

second angle mean: 141.095

second angle stdev: 24.72607

75.86 77.36

174.86 171.45

first angle mean: 41.318825

first angle stdev: 23.406937

second angle mean: 141.75705

second angle stdev: 24.92603

75.3 80.9

174.85 170.59

first angle mean: 41.97231

first angle stdev: 23.645878

second angle mean: 142.39346

second angle stdev: 25.100082

75.1 86.01

175.52 169.1

first angle mean: 42.597363

first angle stdev: 23.851496

second angle mean: 143.0185

second angle stdev: 25.267397

74.93 89.62

174.73 165.7

first angle mean: 43.196114

first angle stdev: 24.028307

second angle mean: 143.60574

second angle stdev: 25.394804

74.48 89.92

171.75 163.49

first angle mean: 43.76491

first angle stdev: 24.172977

second angle mean: 144.11745

second angle stdev: 25.442303

74.21 86.73

171.61 163.21

first angle mean: 44.30857

first angle stdev: 24.293095

second angle mean: 144.60838

second angle stdev: 25.47563

73.89 83.13

172.97 165.16

first angle mean: 44.82754

first angle stdev: 24.390234

second angle mean: 145.10597

second angle stdev: 25.524223

74.26 83.39

173.22 166.35

first angle mean: 45.335

first angle stdev: 24.480707

second angle mean: 145.59068

second angle stdev: 25.566504

74.92 80.01

173.51 167.65

first angle mean: 45.836437

first angle stdev: 24.57094

second angle mean: 146.06389

second angle stdev: 25.603807

75.08 83.46

173.96 168.39

first angle mean: 46.323833

first angle stdev: 24.651258

second angle mean: 146.52882

second angle stdev: 25.639479

75.63 86.77

174.34 166.06

first angle mean: 46.80426

first angle stdev: 24.729963

second angle mean: 146.98474

second angle stdev: 25.672512

76.62 89.57

173.62 163.34

first angle mean: 47.28516

first angle stdev: 24.815601

second angle mean: 147.41435

second angle stdev: 25.684734

76.97 86.94

173.35 162.47

first angle mean: 47.756348

first angle stdev: 24.895872

second angle mean: 147.82602

second angle stdev: 25.685436

77.01 82.75

172.99 163.26

first angle mean: 48.21344

first angle stdev: 24.965628

second angle mean: 148.21921

second angle stdev: 25.67436

76.96 78.3

173.42 165.41

first angle mean: 48.655693

first angle stdev: 25.024214

second angle mean: 148.60692

second angle stdev: 25.664213

77.87 75.07

175.74 167.3

first angle mean: 49.098335

first angle stdev: 25.089016

second angle mean: 149.01802

second angle stdev: 25.683805

78.57 73.88

177.15 168.44

first angle mean: 49.53821

first angle stdev: 25.156197

second angle mean: 149.43791

second angle stdev: 25.718632

78.35 73.58

176.78 168.94

first angle mean: 49.961918

first angle stdev: 25.210234

second angle mean: 149.84

second angle stdev: 25.740107

77.64 73.25

174.99 169.01

first angle mean: 50.36305

first angle stdev: 25.244537

second angle mean: 150.2045

second angle stdev: 25.729069

77.0 73.6

173.2 168.84

first angle mean: 50.743576

first angle stdev: 25.262102

second angle mean: 150.533

second angle stdev: 25.689964

76.56 74.56

171.53 168.77

first angle mean: 51.10719

first angle stdev: 25.26738

second angle mean: 150.82875

second angle stdev: 25.628128

76.43 75.03

170.4 168.55

first angle mean: 51.45889

first angle stdev: 25.265703

second angle mean: 151.10056

second angle stdev: 25.552393

76.83 75.57

170.52 168.61

first angle mean: 51.80644

first angle stdev: 25.26476

second angle mean: 151.36658

second angle stdev: 25.476965

78.12 76.56

172.73 168.82

first angle mean: 52.16203

first angle stdev: 25.27672

second angle mean: 151.65527

second angle stdev: 25.424175

81.0 78.42

173.84 168.22

first angle mean: 52.546535

first angle stdev: 25.32458

second angle mean: 151.95107

second angle stdev: 25.381979

86.08 81.1

171.52 168.18

first angle mean: 52.987766

first angle stdev: 25.445961

second angle mean: 152.20854

second angle stdev: 25.312849

95.14 89.0

158.59 165.46

first angle mean: 53.535202

first angle stdev: 25.726713

second angle mean: 152.29143

second angle stdev: 25.158318

103.17 96.43

147.74 157.63

first angle mean: 54.171543

first angle stdev: 26.16406

second angle mean: 152.23308

second angle stdev: 25.001772

114.84 110.13

140.28 148.7

first angle mean: 54.939495

first angle stdev: 26.86808

second angle mean: 152.08177

second angle stdev: 24.87894

121.31 120.94

131.18 146.63

first angle mean: 55.769127

first angle stdev: 27.699186

second angle mean: 151.8205

second angle stdev: 24.831783

126.98 129.54

124.56 148.17

first angle mean: 56.648273

first angle stdev: 28.628738

second angle mean: 151.48395

second angle stdev: 24.860937

132.39 135.26

120.7 150.19

first angle mean: 57.571957

first angle stdev: 29.643167

second angle mean: 151.10854

second angle stdev: 24.938816

138.46 138.76

122.32 151.81

first angle mean: 58.54651

first angle stdev: 30.757282

second angle mean: 150.76169

second angle stdev: 24.986322

144.47 142.48

129.22 153.4

first angle mean: 59.569412

first angle stdev: 31.96237

second angle mean: 150.50523

second angle stdev: 24.946793

150.3 146.63

134.59 151.52

first angle mean: 60.63683

first angle stdev: 33.24579

second angle mean: 150.318

second angle stdev: 24.858915

counter:1

158.56 154.13

134.22 144.07

first angle mean: 61.77547

first angle stdev: 34.679005

second angle mean: 150.1308

second angle stdev: 24.774145

160.6 156.54

129.34 143.62

first angle mean: 62.911385

first angle stdev: 36.052406

second angle mean: 149.89183

second angle stdev: 24.730852

162.06 157.73

126.75 145.8

first angle mean: 64.03807

first angle stdev: 37.355667

second angle mean: 149.62886

second angle stdev: 24.71197

162.68 157.33

124.68 148.54

first angle mean: 65.14641

first angle stdev: 38.572876

second angle mean: 149.34854

second angle stdev: 24.713053

robot count: 1

162.61 156.06

123.81 151.25

first angle mean: 66.22933

first angle stdev: 39.695194

second angle mean: 149.06477

second angle stdev: 24.720749

161.83 154.8

124.13 153.05

first angle mean: 67.27989

first angle stdev: 40.715145

second angle mean: 148.79076

second angle stdev: 24.721592

160.9 153.73

124.88 154.23

first angle mean: 68.2975

first angle stdev: 41.640575

second angle mean: 148.53085

second angle stdev: 24.711555

160.39 153.4

125.73 154.36

first angle mean: 69.28774

first angle stdev: 42.49125

second angle mean: 148.28569

second angle stdev: 24.690578

161.38 153.88

125.49 151.84

first angle mean: 70.26745

first angle stdev: 43.307762

second angle mean: 148.04318

second angle stdev: 24.669994

163.07 154.63

126.09 149.64

first angle mean: 71.244316

first angle stdev: 44.10806

second angle mean: 147.8121

second angle stdev: 24.641874

165.15 155.41

125.99 147.27

first angle mean: 72.2225

first angle stdev: 44.901623

second angle mean: 147.5848

second angle stdev: 24.613115

166.61 156.57

126.18 145.43

first angle mean: 73.19557

first angle stdev: 45.67569

second angle mean: 147.36412

second angle stdev: 24.581186

166.91 157.55

126.83 144.77

first angle mean: 74.15184

first angle stdev: 46.407784

second angle mean: 147.15459

second angle stdev: 24.542366

167.26 158.81

130.16 145.36

first angle mean: 75.09232

first angle stdev: 47.102127

second angle mean: 146.98293

second angle stdev: 24.477161

166.88 159.16

132.02 144.54

first angle mean: 76.0102

first angle stdev: 47.747585

second angle mean: 146.8333

second angle stdev: 24.399933

166.57 159.6

133.56 143.16

first angle mean: 76.90683

first angle stdev: 48.34929

second angle mean: 146.70187

second angle stdev: 24.31438

166.09 160.22

133.29 140.96

first angle mean: 77.78117

first angle stdev: 48.907547

second angle mean: 146.57037

second angle stdev: 24.230959

164.97 161.0

130.6 137.86

first angle mean: 78.62767

first angle stdev: 49.414707

second angle mean: 146.41533

second angle stdev: 24.16384

162.52 161.22

128.53 132.23

first angle mean: 79.434326

first angle stdev: 49.853344

second angle mean: 146.24338

second angle stdev: 24.110641

158.82 160.66

128.22 127.92

first angle mean: 80.190384

first angle stdev: 50.2109

second angle mean: 146.07172

second angle stdev: 24.059322

153.7 158.41

128.25 126.98

first angle mean: 80.88387

first angle stdev: 50.4762

second angle mean: 145.9036

second angle stdev: 24.007462

147.81 153.7

128.89 127.09

first angle mean: 81.509346

first angle stdev: 50.650818

second angle mean: 145.74458

second angle stdev: 23.951025

140.42 146.24

128.57 129.48

first angle mean: 82.05482

first angle stdev: 50.730534

second angle mean: 145.58556

second angle stdev: 23.896568

130.6 136.26

126.62 134.44

first angle mean: 82.500175

first angle stdev: 50.708954

second angle mean: 145.41156

second angle stdev: 23.855326

122.79 126.62

124.56 138.43

first angle mean: 82.86645

first angle stdev: 50.622566

second angle mean: 145.222

second angle stdev: 23.82897

115.48 117.1

124.36 140.43

first angle mean: 83.16027

first angle stdev: 50.48815

second angle mean: 145.03406

second angle stdev: 23.80315

108.29 108.13

129.17 145.81

first angle mean: 83.38464

first angle stdev: 50.317814

second angle mean: 144.89241

second angle stdev: 23.743591

101.65 100.35

139.19 151.11

first angle mean: 83.54629

first angle stdev: 50.12387

second angle mean: 144.84195

second angle stdev: 23.64433

95.77 95.98

152.42 159.66

first angle mean: 83.65351

first angle stdev: 49.91656

second angle mean: 144.90843

second angle stdev: 23.551

89.25 93.14

162.68 165.7

first angle mean: 83.70217

first angle stdev: 49.70178

second angle mean: 145.06296

second angle stdev: 23.506363

85.8 90.67

165.79 168.13

first angle mean: 83.72026

first angle stdev: 49.487457

second angle mean: 145.24164

second angle stdev: 23.48313

84.54 85.89

171.79 166.77

first angle mean: 83.727264

first angle stdev: 49.275578

second angle mean: 145.46854

second angle stdev: 23.509928

83.07 83.69

176.82 164.54

first angle mean: 83.721695

first angle stdev: 49.066376

second angle mean: 145.73422

second angle stdev: 23.585836

81.85 84.13

179.65 162.75

first angle mean: 83.70596

first angle stdev: 48.860077

second angle mean: 146.01924

second angle stdev: 23.689703

82.23 84.88

178.13 162.33

first angle mean: 83.69367

first angle stdev: 48.656254

second angle mean: 146.28683

second angle stdev: 23.7707

83.53 84.96

178.59 162.09

first angle mean: 83.69232

first angle stdev: 48.454784

second angle mean: 146.5538

second angle stdev: 23.852234

84.77 84.65

179.75 162.06

first angle mean: 83.70115

first angle stdev: 48.255886

second angle mean: 146.8259

second angle stdev: 23.942104

85.56 84.5

179.27 162.14

first angle mean: 83.716255

first angle stdev: 48.059616

second angle mean: 147.08968

second angle stdev: 24.021914

86.03 84.84

178.58 162.46

first angle mean: 83.73492

first angle stdev: 47.86588

second angle mean: 147.34363

second angle stdev: 24.090067

87.4 85.16

177.79 163.62

first angle mean: 83.764244

first angle stdev: 47.675144

second angle mean: 147.58719

second angle stdev: 24.146326

88.19 84.88

172.81 163.96

first angle mean: 83.79937

first angle stdev: 47.48721

second angle mean: 147.78737

second angle stdev: 24.15423

90.08 85.93

161.49 164.96

first angle mean: 83.84882

first angle stdev: 47.30314

second angle mean: 147.89526

second angle stdev: 24.08941

90.86 88.02

161.07 165.26

first angle mean: 83.903595

first angle stdev: 47.122044

second angle mean: 147.9982

second angle stdev: 24.023146

92.42 90.07

161.29 164.28

first angle mean: 83.96961

first angle stdev: 46.944984

second angle mean: 148.10123

second angle stdev: 23.95823

94.41 96.19

163.09 166.62

first angle mean: 84.04993

first angle stdev: 46.772972

second angle mean: 148.21652

second angle stdev: 23.901806

98.43 99.43

160.48 164.78

first angle mean: 84.15969

first angle stdev: 46.610916

second angle mean: 148.31015

second angle stdev: 23.834314

103.42 103.09

155.33 161.22

first angle mean: 84.3056

first angle stdev: 46.464046

second angle mean: 148.36334

second angle stdev: 23.751663

110.47 111.68

157.62 161.9

first angle mean: 84.502335

first angle stdev: 46.34419

second angle mean: 148.43294

second angle stdev: 23.67571

115.46 119.26

156.42 157.59

first angle mean: 84.73336

first angle stdev: 46.247746

second angle mean: 148.49254

second angle stdev: 23.597216

120.43 126.89

151.25 151.08

first angle mean: 84.99778

first angle stdev: 46.177696

second angle mean: 148.51297

second angle stdev: 23.510845

124.95 133.74

143.64 145.81

first angle mean: 85.29155

first angle stdev: 46.134052

second angle mean: 148.47714

second angle stdev: 23.427948

130.47 140.45

135.88 143.86

first angle mean: 85.621315

first angle stdev: 46.125973

second angle mean: 148.38518

second angle stdev: 23.366903

136.89 145.9

130.42 140.69

first angle mean: 85.99282

first angle stdev: 46.163803

second angle mean: 148.25499

second angle stdev: 23.331898

144.09 151.76

126.62 136.98

first angle mean: 86.41079

first angle stdev: 46.258766

second angle mean: 148.09935

second angle stdev: 23.319613

148.47 156.26

125.26 136.82

first angle mean: 86.854065

first angle stdev: 46.38859

second angle mean: 147.93622

second angle stdev: 23.315645

151.62 159.21

124.99 137.15

first angle mean: 87.3134

first angle stdev: 46.542213

second angle mean: 147.77347

second angle stdev: 23.312477

154.3 159.72

125.55 139.64

first angle mean: 87.78513

first angle stdev: 46.715096

second angle mean: 147.61697

second angle stdev: 23.304462

157.17 157.65

124.92 142.5

first angle mean: 88.27035

first angle stdev: 46.90917

second angle mean: 147.45825

second angle stdev: 23.299728

159.12 153.25

124.42 144.61

first angle mean: 88.76236

first angle stdev: 47.114815

second angle mean: 147.29826

second angle stdev: 23.297373

160.95 147.7

123.52 149.51

first angle mean: 89.26021

first angle stdev: 47.33062

second angle mean: 147.13426

second angle stdev: 23.300146

162.31 144.32

122.3 153.81

first angle mean: 89.76055

first angle stdev: 47.55148

second angle mean: 146.96417

second angle stdev: 23.310375

163.97 144.5

121.56 157.24

first angle mean: 90.26537

first angle stdev: 47.78043

second angle mean: 146.79135

second angle stdev: 23.324614

165.38 145.13

121.21 160.45

first angle mean: 90.7729

first angle stdev: 48.014675

second angle mean: 146.6185

second angle stdev: 23.339954

165.35 145.36

121.23robot count: 2

162.62

first angle mean: 91.273415

first angle stdev: 48.23913

second angle mean: 146.44812

second angle stdev: 23.353682

164.03 142.95

121.66 161.93

first angle mean: 91.75846

first angle stdev: 48.44125

second angle mean: 146.28287

second angle stdev: 23.362951

163.68 143.09

122.55 161.2

first angle mean: 92.234764

first angle stdev: 48.631718

second angle mean: 146.1257

second angle stdev: 23.364891

163.13 143.66

124.67 160.53

first angle mean: 92.70119

first angle stdev: 48.809155

second angle mean: 145.98454

second angle stdev: 23.352413

162.41 143.11

125.68 160.72

first angle mean: 93.1568

first angle stdev: 48.9726

second angle mean: 145.85184

second angle stdev: 23.33341

161.06 147.02

122.47 153.13

first angle mean: 93.597725

first angle stdev: 49.11709

second angle mean: 145.70001

second angle stdev: 23.333231

158.19 150.29

120.99 146.3

first angle mean: 94.01445

first angle stdev: 49.230755

second angle mean: 145.54057

second angle stdev: 23.341827

153.2 151.7

122.67 142.48

first angle mean: 94.39385

first angle stdev: 49.29951

second angle mean: 145.39398

second angle stdev: 23.338377

148.46 149.59

124.54 140.7

first angle mean: 94.73822

first angle stdev: 49.330128

second angle mean: 145.26114

second angle stdev: 23.323011

144.28 146.06

125.02 139.05

first angle mean: 95.05177

first angle stdev: 49.330475

second angle mean: 145.13304

second angle stdev: 23.304436

140.44 141.92

127.21 136.87

first angle mean: 95.33724

first angle stdev: 49.30584

second angle mean: 145.02032

second angle stdev: 23.274206

134.73 136.18

128.99 136.32

first angle mean: 95.58344

first angle stdev: 49.24946

second angle mean: 144.92012

second angle stdev: 23.23573

130.32 131.96

126.36 138.17

first angle mean: 95.799194

first angle stdev: 49.172066

second angle mean: 144.80484

second angle stdev: 23.209309

125.24 127.24

123.52 138.55

first angle mean: 95.980934

first angle stdev: 49.074276

second angle mean: 144.67346

second angle stdev: 23.19755

120.82 122.27

123.22 138.56

first angle mean: 96.13332

first angle stdev: 48.961945

second angle mean: 144.54184

second angle stdev: 23.186874

117.28 117.19

128.6 139.24

first angle mean: 96.26227

first angle stdev: 48.840187

second angle mean: 144.44463

second angle stdev: 23.149366

114.54 111.87

127.66 138.91

first angle mean: 96.37304

first angle stdev: 48.712624

second angle mean: 144.3429

second angle stdev: 23.115847

113.3 106.01

126.26 141.82

first angle mean: 96.475006

first angle stdev: 48.58334

second angle mean: 144.23398

second angle stdev: 23.088552

109.73 101.13

121.38 145.27

first angle mean: 96.55438

first angle stdev: 48.448452

second angle mean: 144.09712

second angle stdev: 23.086752

103.48 95.78

119.38 151.19

first angle mean: 96.5956

first angle stdev: 48.306984

second angle mean: 143.95001

second angle stdev: 23.096329

98.68 92.86

124.98 157.13

first angle mean: 96.60793

first angle stdev: 48.164116

second angle mean: 143.83777

second angle stdev: 23.07381

94.55 90.82

121.74 162.4

first angle mean: 96.59582

first angle stdev: 48.022507

second angle mean: 143.70776

second angle stdev: 23.067823

90.4 89.59

122.48 164.77

first angle mean: 96.5596

first angle stdev: 47.884212

second angle mean: 143.58363

second angle stdev: 23.057156

87.49 85.63

124.33 164.63

first angle mean: 96.50686

first angle stdev: 47.749794

second angle mean: 143.4717

second angle stdev: 23.036585

86.53 81.15

123.06 165.67

first angle mean: 96.449196

first angle stdev: 47.617596

second angle mean: 143.35371

second angle stdev: 23.021969

85.05 82.7

125.73 168.84

first angle mean: 96.38369

first angle stdev: 47.488384

second angle mean: 143.25243

second angle stdev: 22.99434

83.37 85.26

125.8 169.54

first angle mean: 96.30932

first angle stdev: 47.362667

second angle mean: 143.1527

second angle stdev: 22.966255

83.97 83.95

152.31 168.08

first angle mean: 96.239204

first angle stdev: 47.23703

second angle mean: 143.20471

second angle stdev: 22.91126

84.45 83.37

179.86 167.54

first angle mean: 96.1726

first angle stdev: 47.11169

second angle mean: 143.4118

second angle stdev: 23.011047

85.57 81.74

176.21 166.7

first angle mean: 96.11304

first angle stdev: 46.985847

second angle mean: 143.59607

second angle stdev: 23.07689

85.62 81.35

179.34 166.28

first angle mean: 96.05441

first angle stdev: 46.860947

second angle mean: 143.79575

second angle stdev: 23.166044

85.7 81.33

179.84 165.81

first angle mean: 95.996895

first angle stdev: 46.736935

second angle mean: 143.996

second angle stdev: 23.256433

85.8 84.39

179.22 166.63

first angle mean: 95.94055

first angle stdev: 46.613773

second angle mean: 144.19061

second angle stdev: 23.338606

86.49 87.81

178.85 170.57

first angle mean: 95.888626

first angle stdev: 46.490788

second angle mean: 144.38103

second angle stdev: 23.414991

87.14 88.05

178.83 169.64

first angle mean: 95.84083

first angle stdev: 46.368076

second angle mean: 144.56929

second angle stdev: 23.48862

88.04 87.42

179.69 168.47

first angle mean: 95.79842

first angle stdev: 46.24546

second angle mean: 144.76016

second angle stdev: 23.566587

89.98 84.98

172.61 167.08

first angle mean: 95.766975

first angle stdev: 46.12228

second angle mean: 144.9107

second angle stdev: 23.591349

92.34 83.9

170.86 166.14

first angle mean: 95.74855

first angle stdev: 45.99881

second angle mean: 145.05022

second angle stdev: 23.604244

96.52 84.75

175.43 165.52

first angle mean: 95.75267

first angle stdev: 45.875687

second angle mean: 145.21268

second angle stdev: 23.645082

100.92 86.68

177.77 164.21

first angle mean: 95.78016

first angle stdev: 45.755054

second angle mean: 145.38585

second angle stdev: 23.700724

105.06 93.26

175.11 164.92

first angle mean: 95.82926

first angle stdev: 45.63882

second angle mean: 145.5431

second angle stdev: 23.736095

109.04 101.03

168.06 159.88

first angle mean: 95.89879

first angle stdev: 45.52859

second angle mean: 145.66162

second angle stdev: 23.729546

114.74 111.78

160.16 153.83

first angle mean: 95.99744

first angle stdev: 45.429604

second angle mean: 145.73753

second angle stdev: 23.690462

121.87 124.28

146.65 147.52

first angle mean: 96.13218

first angle stdev: 45.3494

second angle mean: 145.7423

second angle stdev: 23.628778

127.38 133.84

135.64 144.44

first angle mean: 96.29409

first angle stdev: 45.287365

second angle mean: 145.68994

second angle stdev: 23.578642

134.4 141.45

128.4 140.81

first angle mean: 96.49052

first angle stdev: 45.252842

second angle mean: 145.60081

second angle stdev: 23.550364

142.36 146.97

125.07 136.95

first angle mean: 96.72574

first angle stdev: 45.255413

second angle mean: 145.49553

second angle stdev: 23.535633

150.9 152.12

122.81 133.51

first angle mean: 97.00215

first angle stdev: 45.304527

second angle mean: 145.37978

second angle stdev: 23.53109

156.29 154.42

121.58 132.86

first angle mean: 97.3031

first angle stdev: 45.385395

second angle mean: 145.25899

second angle stdev: 23.53215

159.35 155.63

119.99 133.85

first angle mean: 97.61647

first angle stdev: 45.4838

second angle mean: 145.13135

second angle stdev: 23.540897

161.52 154.66

116.64 134.89

first angle mean: 97.93759

first angle stdev: 45.593838

second angle mean: 144.98819

second angle stdev: 23.56794

162.94 151.85

117.88 135.62

first angle mean: 98.262596

first angle stdev: 45.710228

second angle mean: 144.85265

second angle stdev: 23.586573

163.15 153.09

122.49 135.29

first angle mean: 98.585434

first angle stdev: 45.824368

second angle mean: 144.7414

second angle stdev: 23.58038

162.04 155.27

125.04 135.07

first angle mean: 98.89956

first angle stdev: 45.927246

second angle mean: 144.64386

second angle stdev: 23.562546

160.74 157.51

124.97 134.39

first angle mean: 99.20419

first angle stdev: 46.018116

second angle mean: 144.54694

second angle stdev: 23.544765

159.48 159.05

124.07 134.32

first angle mean: 99.499664

first angle stdev: 46.097816

second angle mean: 144.44656

second angle stdev: 23.530489

157.99 156.98

122.0 132.98

first angle mean: 99.78499

first angle stdev: 46.165462

second angle mean: 144.33707

second angle stdev: 23.525068

157.63 157.0

120.5 132.16

first angle mean: 100.06578

first angle stdev: 46.22843

second angle mean: 144.22136

second angle stdev: 23.526308

156.98robot count: 3

158.32

119.65 131.63

first angle mean: 100.34073

first angle stdev: 46.285168

second angle mean: 144.10266

second angle stdev: 23.531168

155.72 158.53

118.95 129.69

first angle mean: 100.60697

first angle stdev: 46.332397

second angle mean: 143.98172

second angle stdev: 23.53892

152.82 157.32

117.06 127.32

first angle mean: 100.8568

first angle stdev: 46.361633

second angle mean: 143.8529

second angle stdev: 23.55591

148.2 154.95

116.78 127.0

first angle mean: 101.08224

first angle stdev: 46.36581

second angle mean: 143.724

second angle stdev: 23.57355

145.05 152.32

118.33 126.98

first angle mean: 101.29062

first angle stdev: 46.35427

second angle mean: 143.60364

second angle stdev: 23.582201

142.3 147.8

120.54 126.22

first angle mean: 101.48406

first angle stdev: 46.3301

second angle mean: 143.49486

second angle stdev: 23.57953

138.42 142.03

121.4 126.16

first angle mean: 101.65746

first angle stdev: 46.290127

second angle mean: 143.39111

second angle stdev: 23.572552

134.54 136.07

121.43 127.92

first angle mean: 101.81112

first angle stdev: 46.23626

second angle mean: 143.2885

second angle stdev: 23.565054

129.23 128.95

121.4 130.95

first angle mean: 101.93865

first angle stdev: 46.166317

second angle mean: 143.1867

second angle stdev: 23.557312

125.01 122.65

121.69 132.79

first angle mean: 102.04546

first angle stdev: 46.08595

second angle mean: 143.08717

second angle stdev: 23.547977

121.95 116.87

126.48 134.06

first angle mean: 102.137184

first angle stdev: 45.999393

second angle mean: 143.01065

second angle stdev: 23.520567

119.65 112.42

129.88 134.72

first angle mean: 102.21753

first angle stdev: 45.909027

second angle mean: 142.95042

second angle stdev: 23.483324

117.12 108.75

130.17 136.06

first angle mean: 102.285576

first angle stdev: 45.81511

second angle mean: 142.89206

second angle stdev: 23.445488

114.81 105.18

130.66 137.5

first angle mean: 102.34251

first angle stdev: 45.718628

second angle mean: 142.83646

second angle stdev: 23.406609

112.9 101.81

128.92 139.58

first angle mean: 102.390274

first angle stdev: 45.62058

second angle mean: 142.77348

second angle stdev: 23.372263

110.55 98.94

129.29 143.44

first angle mean: 102.42703

first angle stdev: 45.520992

second angle mean: 142.71275

second angle stdev: 23.337036

108.55 97.39

135.4 148.32

first angle mean: 102.45449

first angle stdev: 45.420654

second angle mean: 142.67996

second angle stdev: 23.289778

107.14 96.37

143.35 154.57

first angle mean: 102.4754

first angle stdev: 45.320232

second angle mean: 142.68294

second angle stdev: 23.237776

105.63 95.77

150.83 162.02

first angle mean: 102.489426

first angle stdev: 45.219894

second angle mean: 142.71915

second angle stdev: 23.192411

102.3 94.32

154.42 167.77

first angle mean: 102.48859

first angle stdev: 45.119743

second angle mean: 142.77092

second angle stdev: 23.154072

98.74 92.47

156.23 168.13

first angle mean: 102.47207

first angle stdev: 45.020935

second angle mean: 142.83022

second angle stdev: 23.120203

nan 20.19

nan 37.07

first angle mean: 102.47207

first angle stdev: 45.020935

second angle mean: 142.83022

second angle stdev: 23.120203

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\Camera.py:30: RuntimeWarning: invalid value encountered in scalar divide

cosine\_angle = np.dot(ba, bc) / (np.linalg.norm(ba) \* np.linalg.norm(bc))

C:\Users\yaels\יעל פרוייקט גמר\zedcheck\Camera.py:31: RuntimeWarning: invalid value encountered in arccos

angle = np.arccos(cosine\_angle)

nan nan

nan nan

first angle mean: 102.47207

first angle stdev: 45.020935

second angle mean: 142.83022

second angle stdev: 23.120203

87.71 82.16

154.89 165.53

first angle mean: 102.407326

first angle stdev: 44.93269

second angle mean: 142.8831

second angle stdev: 23.083204

84.18 83.15

167.95 169.75

first angle mean: 102.327736

first angle stdev: 44.85058

second angle mean: 142.99257

second angle stdev: 23.09198

82.51 84.91

176.35 169.78

first angle mean: 102.24157

first angle stdev: 44.77196

second angle mean: 143.1376

second angle stdev: 23.146015

81.42 84.85

179.35 170.03

first angle mean: 102.15143

first angle stdev: 44.695858

second angle mean: 143.29437

second angle stdev: 23.217903

81.45 84.45

176.75 170.09

first angle mean: 102.062195

first angle stdev: 44.620037

second angle mean: 143.43858

second angle stdev: 23.27125

82.88 84.14

173.6 170.11

first angle mean: 101.97987

first angle stdev: 44.54184

second angle mean: 143.56801

second angle stdev: 23.304815

84.19 84.57

173.08 170.02

first angle mean: 101.90385

first angle stdev: 44.46171

second angle mean: 143.69414

second angle stdev: 23.334513

83.95 84.62

163.47 169.87

first angle mean: 101.82745

first angle stdev: 44.3824

second angle mean: 143.77829

second angle stdev: 23.32037

84.13 84.39

166.7 168.68

first angle mean: 101.752464

first angle stdev: 44.303185

second angle mean: 143.87541

second angle stdev: 23.318493

85.07 83.95

170.73 168.42

first angle mean: 101.682076

first angle stdev: 44.222847

second angle mean: 143.98872

second angle stdev: 23.334263

87.22 83.38

174.51 168.77

first angle mean: 101.62131

first angle stdev: 44.139755

second angle mean: 144.11697

second angle stdev: 23.36873

87.94 85.94

171.02 171.59

first angle mean: 101.56407

first angle stdev: 44.056168

second angle mean: 144.22954

second angle stdev: 23.384361

89.75 86.99

165.87 171.44

first angle mean: 101.51485

first angle stdev: 43.970875

second angle mean: 144.31969

second angle stdev: 23.377192

92.95 88.22

158.91 168.69

first angle mean: 101.4793

first angle stdev: 43.883007

second angle mean: 144.38025

second angle stdev: 23.347486

96.66 93.11

154.09 166.31

first angle mean: 101.45939

first angle stdev: 43.79334

second angle mean: 144.42036

second angle stdev: 23.307522

102.69 99.52

149.55 164.2

first angle mean: 101.464455

first angle stdev: 43.703205

second angle mean: 144.44148

second angle stdev: 23.261833

108.37 106.47

148.73 160.48

first angle mean: 101.49275

first angle stdev: 43.615788

second angle mean: 144.45905

second angle stdev: 23.215733

115.0 116.28

148.45 155.73

first angle mean: 101.54789

first angle stdev: 43.535206

second angle mean: 144.47536

second angle stdev: 23.169703

120.91 123.9

144.43 148.46

first angle mean: 101.62659

first angle stdev: 43.464092

second angle mean: 144.47516

second angle stdev: 23.122562

125.59 129.0

135.0 143.29

first angle mean: 101.7236

first angle stdev: 43.402702

second angle mean: 144.4368

second angle stdev: 23.083551

130.79 133.56

127.24 142.75

first angle mean: 101.840805

first angle stdev: 43.35425

second angle mean: 144.36748

second angle stdev: 23.062727

135.65 137.12

127.06 142.3

first angle mean: 101.976585

first angle stdev: 43.319916

second angle mean: 144.29794

second angle stdev: 23.042383

141.23 142.02

130.95 140.58

first angle mean: 102.1336

first angle stdev: 43.304127

second angle mean: 144.24457

second angle stdev: 23.01168

146.15 146.82

130.0 139.92

first angle mean: 102.30897

first angle stdev: 43.30663

second angle mean: 144.1878

second angle stdev: 22.98332

149.89 152.25

132.23 137.03

first angle mean: 102.49777

first angle stdev: 43.324017

second angle mean: 144.14035

second angle stdev: 22.949987

counter:2

156.66 156.19

122.81 143.13

first angle mean: 102.71185

first angle stdev: 43.37166

second angle mean: 144.05605

second angle stdev: 22.943655

158.94 151.47

121.12 147.02

first angle mean: 102.93323

first angle stdev: 43.429173

second angle mean: 143.96574

second angle stdev: 22.943447

162.77 149.01

116.71 150.38

first angle mean: 103.167885

first angle stdev: 43.50497

second angle mean: 143.85886

second angle stdev: 22.961693

163.45 145.76

114.8 151.03

first angle mean: 103.403366

first angle stdev: 43.582436

second angle mean: 143.74535

second angle stdev: 22.988377

163.14 145.58

113.82 153.99

first angle mean: 103.635796

first angle stdev: 43.65626

second angle mean: 143.6289

second angle stdev: 23.019125

robot count: 4162.26

145.0

112.35 154.53

first angle mean: 103.86302

first angle stdev: 43.72358

second angle mean: 143.50768

second angle stdev: 23.056536

161.77 146.24

111.88 155.46

first angle mean: 104.0866

first angle stdev: 43.786606

second angle mean: 143.38556

second angle stdev: 23.09542

160.84 147.94

112.61 155.24

first angle mean: 104.304886

first angle stdev: 43.84328

second angle mean: 143.26718

second angle stdev: 23.129543

161.04 152.3

115.66 147.35

first angle mean: 104.52226

first angle stdev: 43.89936

second angle mean: 143.1614

second angle stdev: 23.148111

159.11 155.28

117.35 140.5

first angle mean: 104.73061

first angle stdev: 43.944603

second angle mean: 143.0629

second angle stdev: 23.158648

156.41 154.22

116.99 136.57

first angle mean: 104.92711

first angle stdev: 43.976154

second angle mean: 142.96376

second angle stdev: 23.170212

152.74 152.08

116.9 135.69

first angle mean: 105.10822

first angle stdev: 43.990948

second angle mean: 142.86504

second angle stdev: 23.181644

149.55 151.31

120.38 134.73

first angle mean: 105.27593

first angle stdev: 43.992336

second angle mean: 142.78018

second angle stdev: 23.178898

146.8 148.16

123.32 135.19

first angle mean: 105.43203

first angle stdev: 43.98304

second angle mean: 142.70703

second angle stdev: 23.165922

141.45 141.07

125.49 132.62

first angle mean: 105.56693

first angle stdev: 43.955692

second angle mean: 142.64256

second angle stdev: 23.146404

137.28 135.55

126.43 129.67

first angle mean: 105.685265

first angle stdev: 43.916195

second angle mean: 142.58206

second angle stdev: 23.124317

133.37 131.09

125.96 129.06

first angle mean: 105.788185

first angle stdev: 43.86686

second angle mean: 142.52026

second angle stdev: 23.10345

128.45 125.25

125.2 130.01

first angle mean: 105.872116

first angle stdev: 43.807182

second angle mean: 142.45612

second angle stdev: 23.084614

123.55 120.38

124.1 133.01

first angle mean: 105.93734

first angle stdev: 43.739418

second angle mean: 142.38838

second angle stdev: 23.06885

120.58 116.83

123.13 134.77

first angle mean: 105.99117

first angle stdev: 43.667934

second angle mean: 142.31758

second angle stdev: 23.055885

118.16 113.24

123.59 137.65

first angle mean: 106.03575

first angle stdev: 43.59408

second angle mean: 142.24896

second angle stdev: 23.041414

115.23 108.48

129.29 142.15

first angle mean: 106.069305

first angle stdev: 43.51799

second angle mean: 142.20169

second angle stdev: 23.012598

112.84 103.46

132.94 147.41

first angle mean: 106.093925

first angle stdev: 43.44071

second angle mean: 142.16801

second angle stdev: 22.977484

108.1 97.96

143.06 157.35

first angle mean: 106.1012

first angle stdev: 43.362103

second angle mean: 142.17123

second angle stdev: 22.935883

100.9 94.34

158.58 165.11

first angle mean: 106.08242

first angle stdev: 43.284885

second angle mean: 142.23047

second angle stdev: 22.915586

94.55 89.0

164.91 167.83

first angle mean: 106.04094

first angle stdev: 43.212482

second angle mean: 142.31206

second angle stdev: 22.914597

91.19 84.83

161.33 169.15

first angle mean: 105.98771

first angle stdev: 43.1441

second angle mean: 142.38022

second angle stdev: 22.901712

88.11 82.4

160.04 170.74

first angle mean: 105.92387

first angle stdev: 43.080193

second angle mean: 142.44328

second angle stdev: 22.88504

87.25 81.07

162.87 170.17

first angle mean: 105.85741

first angle stdev: 43.01784

second angle mean: 142.51599

second angle stdev: 22.876646

85.55 81.38

165.13 170.09

first angle mean: 105.78539

first angle stdev: 42.958466

second angle mean: 142.59618

second angle stdev: 22.87558

84.64 82.45

165.42 170.2

first angle mean: 105.71067

first angle stdev: 42.900856

second angle mean: 142.67682

second angle stdev: 22.875256

84.94 82.9

165.18 170.17

first angle mean: 105.637535

first angle stdev: 42.84293

second angle mean: 142.75606

second angle stdev: 22.873817

87.16 81.19

167.63 168.62

first angle mean: 105.5727

first angle stdev: 42.78165

second angle mean: 142.84334

second angle stdev: 22.880974

89.08 80.01

170.0 167.54

first angle mean: 105.51504

first angle stdev: 42.717888

second angle mean: 142.93828

second angle stdev: 22.89712

89.64 80.46

170.94 166.93

first angle mean: 105.459724

first angle stdev: 42.653664

second angle mean: 143.03584

second angle stdev: 22.91667

88.93 81.05

168.82 167.17

first angle mean: 105.40233

first angle stdev: 42.590645

second angle mean: 143.12538

second angle stdev: 22.927073

89.78 81.89

167.67 168.78

first angle mean: 105.348274

first angle stdev: 42.52679

second angle mean: 143.21031

second angle stdev: 22.93271

91.3 82.61

166.77 170.48

first angle mean: 105.29983

first angle stdev: 42.461395

second angle mean: 143.29153

second angle stdev: 22.934757

94.54 83.85

166.64 170.31

first angle mean: 105.26286

first angle stdev: 42.393047

second angle mean: 143.37178

second angle stdev: 22.93605

98.78 85.57

166.09 168.05

first angle mean: 105.24065

first angle stdev: 42.32209

second angle mean: 143.44958

second angle stdev: 22.935177

102.68 92.29

164.54 165.81

first angle mean: 105.23191

first angle stdev: 42.250072

second angle mean: 143.52158

second angle stdev: 22.92902

107.67 98.64

161.1 160.63

first angle mean: 105.24021

first angle stdev: 42.178394

second angle mean: 143.58136

second angle stdev: 22.912859

113.71 109.69

162.41 152.73

first angle mean: 105.26892

first angle stdev: 42.109722

second angle mean: 143.64519

second angle stdev: 22.900158

117.37 116.25

162.61 150.53

first angle mean: 105.30981

first angle stdev: 42.044395

second angle mean: 143.70924

second angle stdev: 22.88791

120.88 121.35

160.98 150.99

first angle mean: 105.36223

first angle stdev: 41.983242

second angle mean: 143.76741

second angle stdev: 22.87124

124.3 125.52

153.62 152.79

first angle mean: 105.42578

first angle stdev: 41.927048

second angle mean: 143.80046

second angle stdev: 22.839941

129.18 131.02

138.48 156.93

first angle mean: 105.505226

first angle stdev: 41.87934

second angle mean: 143.78267

second angle stdev: 22.803783

133.62 135.41

127.94 155.57

first angle mean: 105.59893

first angle stdev: 41.840874

second angle mean: 143.72987

second angle stdev: 22.784054

138.61 140.34

125.08 149.71

first angle mean: 105.70862

first angle stdev: 41.814484

second angle mean: 143.66791

second angle stdev: 22.771475

143.86 144.71

123.88 141.6

first angle mean: 105.83494

first angle stdev: 41.802692

second angle mean: 143.60239

second angle stdev: 22.762146

147.58 148.82

123.65 132.78

first angle mean: 105.97271

first angle stdev: 41.802277

second angle mean: 143.53653

second angle stdev: 22.75335

150.62 152.66

122.0 130.52

first angle mean: 106.11957

first angle stdev: 41.811695

second angle mean: 143.4657

second angle stdev: 22.749342

153.57 154.67

119.4 132.56

first angle mean: 106.27515

first angle stdev: 41.83113

second angle mean: 143.38678

second angle stdev: 22.753647

156.32 154.61

115.74 135.06

first angle mean: 106.43869

first angle stdev: 41.86028

second angle mean: 143.29645

second angle stdev: 22.771172

159.77 153.1

117.03 135.43

first angle mean: 106.61241

first angle stdev: 41.90238

second angle mean: 143.21089

second angle stdev: 22.783266

161.39 152.65

120.07 134.63

first angle mean: 106.79025

first angle stdev: 41.950203

second angle mean: 143.13576

second angle stdev: 22.784311

161.94 152.38

123.27 133.91

first angle mean: 106.96875

first angle stdev: 41.999233

second angle mean: 143.07146

second angle stdev: 22.775381

161.4 152.79

126.04 133.19

first angle mean: 107.14433

first angle stdev: 42.044876

second angle mean: 143.01653

second angle stdev: 22.759115

160.36 153.02

126.16 133.47

first angle mean: 107.31544

first angle stdev: 42.085205

second angle mean: 142.96233

second angle stdev: 22.742527

159.4 153.46

126.31 133.44

first angle mean: 107.48237

first angle stdev: 42.120716

second angle mean: 142.90895

second angle stdev: 22.725552

158.99 154.36

125.91 133.13

first angle mean: 107.64694

first angle stdev: 42.15371

second angle mean: 142.85463

second angle stdev: 22.70949

158.58 155.01

124.77 132.92

first angle mean: 107.80914

first angle stdev: 42.184258

second angle mean: 142.79704

second angle stdev: 22.696184

158.24 155.73

124.26 132.61

first angle mean: 107.969246

first angle stdev: 42.212685

second angle mean: 142.73819

second angle stdev: 22.68411

157.77 156.53

121.16 130.34

first angle mean: 108.12683

first angle stdev: 42.238552

second angle mean: 142.66989

second angle stdev: 22.680593

156.43 156.92

120.01 126.97

first angle mean: 108.279205

first angle stdev: 42.258778

second angle mean: 142.59843

second angle stdev: 22.680416

154.48 155.92

119.33 124.36

first angle mean: 108.42451

first angle stdev: 42.271503

second angle mean: 142.52525

second angle stdev: 22.68217

151.92 153.52

120.47 121.66

first angle mean: 108.560844

first angle stdev: 42.275177

second angle mean: 142.45612

second angle stdev: 22.680128

147.8 147.88

122.7 117.82

first angle mean: 108.68347

first angle stdev: 42.26585

second angle mean: 142.39438

second angle stdev: 22.671494

143.62 141.51

123.87 116.85

first angle mean: 108.79231

first angle stdev: 42.24485

second angle mean: 142.33667

second angle stdev: 22.65968

139.4 134.94

122.82 118.05

first angle mean: 108.88736

first angle stdev: 42.21357

second angle mean: 142.27606

second angle stdev: 22.650513

134.2 128.92

120.46 120.63

first angle mean: 108.96573

first angle stdev: 42.171627

second angle mean: 142.20851

second angle stdev: 22.647875

128.94 123.31

118.57 124.21

first angle mean: 109.02738

first angle stdev: 42.121067

second angle mean: 142.13556

second angle stdev: 22.65088

123.26 116.73

119.76 129.53

first angle mean: 109.071175

first angle stdev: 42.063606

second angle mean: 142.06671

second angle stdev: 22.649937

120.43 112.52

125.99 135.33

first angle mean: 109.10602

first angle stdev: 42.00374

second angle mean: 142.01738

second angle stdev: 22.632637

117.27 107.73

140.21 143.3

first angle mean: 109.13098

first angle stdev: 41.941883

second angle mean: 142.01186

second angle stdev: 22.598225

114.98 103.05

151.22 151.21

first angle mean: 109.14882

first angle stdev: 41.87914

second angle mean: 142.03993

second angle stdev: 22.56946

112.09 97.54

164.01 160.27

first angle mean: 109.15776

first angle stdev: 41.81576

second angle mean: 142.10672

second angle stdev: 22.567562

106.5 93.69

170.42 165.51

first angle mean: 109.149704

first angle stdev: 41.75261

second angle mean: 142.1925

second angle stdev: 22.587019

100.49 89.17

175.6 170.99

first angle mean: 109.123535

first angle stdev: 41.692204

second angle mean: 142.29344

second angle stdev: 22.62728

91.43 86.51

178.31 175.66

first angle mean: 109.070244

first angle stdev: 41.640656

second angle mean: 142.40192

second angle stdev: 22.67922

85.59 86.77

178.53 179.11

first angle mean: 108.99973

first angle stdev: 41.59793

second angle mean: 142.51042

second angle stdev: 22.731264

84.87 85.04

178.24 174.3

first angle mean: 108.92749

first angle stdev: 41.556526

second angle mean: 142.6174

second angle stdev: 22.781

85.11 83.74

180.0 169.53

first angle mean: 108.85639

first angle stdev: 41.514797

second angle mean: 142.72899

second angle stdev: 22.838211

86.08 84.04

178.25 167.59

first angle mean: 108.78861

first angle stdev: 41.471535

second angle mean: 142.8347

second angle stdev: 22.886143

87.32 82.29

179.63 163.46

first angle mean: 108.72491

first angle stdev: 41.426422

second angle mean: 142.9439

second angle stdev: 22.939636

88.25 81.33

179.25 164.71

first angle mean: 108.66433

first angle stdev: 41.38004

second angle mean: 143.05132

second angle stdev: 22.990396

87.97 81.62

178.89 167.89

first angle mean: 108.603294

first angle stdev: 41.334198

second angle mean: 143.15703

second angle stdev: 23.038591

87.27 81.17

178.69 168.26

first angle mean: 108.540535

first angle stdev: 41.289536

second angle mean: 143.26154

second angle stdev: 23.085022

87.08 80.59

178.73 170.01

first angle mean: 108.47759

first angle stdev: 41.245277

second angle mean: 143.36555

second angle stdev: 23.130796

88.97 79.01

178.82 169.03

first angle mean: 108.42055

first angle stdev: 41.1984

second angle mean: 143.46921

second angle stdev: 23.176153

90.24 80.26

177.51 167.04

first angle mean: 108.36755

first angle stdev: 41.149975

second angle mean: 143.56845

second angle stdev: 23.215008

92.57 82.72

168.37 164.88

first angle mean: 108.32163

first angle stdev: 41.098923

second angle mean: 143.64056

second angle stdev: 23.219666

97.51 84.07

157.79 164.03

first angle mean: 108.29028

first angle stdev: 41.043427

second angle mean: 143.68156

second angle stdev: 23.198465

102.68 85.89

149.36 161.86

first angle mean: 108.27407

first angle stdev: 40.985184

second angle mean: 143.69798

second angle stdev: 23.166922

106.8 93.67

146.88 162.02

first angle mean: 108.26984

first angle stdev: 40.926163

second angle mean: 143.70715

second angle stdev: 23.134144

113.22 101.16

142.55 157.23

first angle mean: 108.28406

first angle stdev: 40.868176

second angle mean: 143.70383

second angle stdev: 23.100965

119.9 109.39

135.99 148.69

first angle mean: 108.31734

first angle stdev: 40.814304

second angle mean: 143.68173

second angle stdev: 23.071531

124.34 116.1

132.35 140.72

first angle mean: 108.36311

first angle stdev: 40.764927

second angle mean: 143.64934

second angle stdev: 23.046486

129.94 123.13

126.26 135.16

first angle mean: 108.42459

first angle stdev: 40.723064

second angle mean: 143.59981

second angle stdev: 23.03229

134.89 128.52

121.66 133.11

first angle mean: 108.49978

first angle stdev: 40.689564

second angle mean: 143.53746

second angle stdev: 23.029173

141.56 135.58

120.21 133.9

first angle mean: 108.593414

first angle stdev: 40.669865

second angle mean: 143.47139

second angle stdev: 23.02993

146.37 140.96

121.07 135.43

first angle mean: 108.70014

first angle stdev: 40.661842

second angle mean: 143.4081

second angle stdev: 23.028091

151.32 145.99

121.86 136.2

first angle mean: 108.820206

first angle stdev: 40.667313

second angle mean: 143.3474

second angle stdev: 23.023975

154.5 149.93

122.31 138.8

first angle mean: 108.94852

first angle stdev: 40.682053

second angle mean: 143.28831

second angle stdev: 23.01856

157.9 153.0

123.73 143.49

first angle mean: 109.08563

first angle stdev: 40.707336

second angle mean: 143.23352

second angle stdev: 23.00953

160.16 153.8

125.05 144.78

first angle mean: 109.228294

first angle stdev: 40.739716

second angle mean: 143.18274

second angle stdev: 22.997404

161.08 153.29

123.26 145.08

first angle mean: 109.372734

first angle stdev: 40.77462

second angle mean: 143.12724

second angle stdev: 22.989344

161.4 150.72

121.02 145.93

first angle mean: 109.51725

first angle stdev: 40.809917

second angle mean: 143.06583

second angle stdev: 22.986858

163.7 147.47

119.51 152.54

first angle mean: 109.66735

first angle stdev: 40.852734

second angle mean: 143.00058

second angle stdev: 22.988361

164.96 146.29

119.28 154.13

first angle mean: 109.82008

first angle stdev: 40.89936

second angle mean: 142.93504

second angle stdev: 22.990322

164.62 145.78

118.9 155.86

first angle mean: 109.971054

first angle stdev: 40.943855

second angle mean: 142.86885

second angle stdev: 22.993168

163.53 151.6

119.61 146.86

first angle mean: 110.118195

first angle stdev: 40.98357

second angle mean: 142.80495

second angle stdev: 22.993814

162.4 154.86

120.2 143.16

first angle mean: 110.26143

first angle stdev: 41.018528

second angle mean: 142.74301

second angle stdev: 22.992674

161.8 155.17

120.27 142.94

first angle mean: 110.40224

first angle stdev: 41.0507

second angle mean: 142.68161

second angle stdev: 22.99119

161.47 155.02

119.79 143.43

first angle mean: 110.5414

first angle stdev: 41.081078

second angle mean: 142.61923

second angle stdev: 22.990833

robot count: 5161.19

ROBOT: Exercise open\_arms\_above\_head\_ball done

155.18TRAINING: Exercise

119.07open\_arms\_above\_head\_ball done

143.71

first angle mean: 110.67903

first angle stdev: 41.109863

second angle mean: 142.55524

second angle stdev: 22.992281

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_above\_head\_ball/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_above\_head\_ball/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_above\_head\_ball/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_above\_head\_ball/09-07-2024 11-26-49

CAMERA: Exercise open\_arms\_above\_head\_ball done

CAMERA: Exercise hello\_waving start

CAMERA: Exercise hello\_waving done

TRAINING: Exercise open\_arms\_and\_up\_with\_band start

CAMERA: Exercise open\_arms\_and\_up\_with\_band start

ROBOT: Exercise open\_arms\_and\_up\_with\_band start

77.72 82.59

178.53 178.47

123.87 117.61

#######################################

66.47 79.66

122.2 154.66

125.95 118.72

#######################################

67.52 76.33

145.41 156.88

115.16 94.31

#######################################

62.58 70.51

157.3 156.07

89.75 114.07

#######################################

69.45 78.57

146.3 142.62

106.56 119.09

#######################################

70.75 78.21

152.44 147.17

103.72 112.78

#######################################

66.6 71.54

153.76 146.0

106.11 113.87

#######################################

69.74 73.8

148.71 142.36

110.6 115.51

#######################################

70.52 73.63

148.32 138.76

113.63 114.94

#######################################

70.48 73.76

149.96 137.12

112.37 113.31

#######################################

69.34 73.13

149.46 136.76

110.58 112.0

#######################################

66.14 69.28

148.53 138.99

109.93 109.77

#######################################

66.12 69.81

149.62 145.31

105.56 108.97

#######################################

64.46 68.32

151.76 150.34

102.45 107.73

#######################################

67.0 71.61

151.49 151.59

99.98 109.59

#######################################

68.88 73.7

152.02 150.11

98.98 110.35

#######################################

70.04 74.9

152.1 149.64

100.44 109.85

#######################################

69.77 75.02

153.61 148.33

101.42 110.55

#######################################

69.24 74.99

153.72 145.5

103.92 112.05

#######################################

69.33 74.64

151.43 142.75

106.58 113.49

#######################################

70.12 74.7

147.46 137.75

111.81 115.13

#######################################

73.14 77.3

141.11 127.21

123.72 120.64

#######################################

75.4 80.75

137.01 117.46

129.54 126.77

#######################################

73.83 79.57

135.0 120.29

123.5 127.62

#######################################

73.83 79.01

135.11 121.25

122.12 127.27

#######################################

71.79 75.92

140.48 126.66

117.71 123.86

#######################################

70.07 73.21

146.24 133.95

112.71 118.18

#######################################

71.46 74.73

143.4 131.66

116.17 119.38

#######################################

73.92 77.48

139.51 124.57

122.29 124.13

#######################################

75.19 79.41

137.85 121.04

125.16 126.14

#######################################

73.67 78.15

139.43 123.45

121.55 122.87

#######################################

70.2 75.58

146.02 131.62

114.96 115.42

#######################################

69.71 75.27

148.81 135.33

110.15 113.54

#######################################

70.28 75.7

149.17 135.83

108.74 114.23

#######################################

71.32 76.88

148.31 131.75

110.19 117.23

#######################################

71.13 77.82

148.25 128.69

110.76 118.32

#######################################

70.78 78.4

148.86 127.51

111.74 117.78

#######################################

70.22 77.04

151.44 130.61

111.11 114.86

#######################################

70.26 76.34

151.47 131.7

110.03 114.89

#######################################

70.39 76.75

148.64 128.8

109.25 114.81

#######################################

70.63 76.87

144.89 125.92

109.04 114.55

#######################################

71.26 76.89

143.7 125.73

110.22 113.54

#######################################

71.61 77.55

141.65 124.64

112.74 113.01

#######################################

72.87 79.52

136.64 118.54

119.18 116.68

#######################################

72.42 79.29

135.48 117.52

119.15 116.85

#######################################

71.66 77.91

139.03 119.98

116.97 115.16

#######################################

72.53 77.68

143.7 123.0

113.46 114.9

#######################################

74.35 79.23

146.68 126.34

111.75 116.18

#######################################

75.94 80.93

146.98 128.26

111.03 116.31

#######################################

76.37 82.51

148.1 127.92

110.7 115.94

#######################################

77.72 83.63

150.19 129.7

109.19 116.08

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78.1 84.6

151.62 129.86

108.47 116.25

#######################################

77.94 84.62

152.6 130.91

109.05 116.1

#######################################

77.34 85.54

154.69 130.63

108.3 116.92

#######################################

77.54 85.59

155.1 130.9

108.05 115.94

#######################################

76.45 84.53

156.82 133.98

107.31 113.28

#######################################

75.46 82.15

157.87 138.66

106.54 111.3

#######################################

74.96 80.53

158.61 145.45

104.11 111.34

#######################################

76.64 80.25

160.08 154.13

101.55 111.63

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77.8 81.87

163.62 157.14

100.25 111.25

#######################################

79.18 84.0

165.05 158.36

99.91 110.54

#######################################

83.74 87.93

160.71 155.16

103.7 114.71

#######################################

82.67 87.79

161.13 152.87

103.07 115.16

#######################################

81.31 86.77

163.3 151.78

102.21 114.7

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79.34 84.49

165.77 151.47

100.54 112.06

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77.89 82.59

166.96 152.42

100.34 109.24

#######################################

77.56 81.57

166.44 156.22

101.04 107.08

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78.89 82.36

165.87 155.44

101.42 109.09

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79.35 83.02

164.81 154.09

102.99 110.35

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78.31 83.27

162.75 154.01

102.9 110.68

#######################################

77.52 83.48

159.8 151.72

101.01 112.18

#######################################

76.76 83.1

159.39 151.12

99.2 113.75

#######################################

77.04 85.03

157.66 146.01

105.77 117.62

#######################################

78.62 85.15

152.28 145.08

113.71 123.82

#######################################

82.59 86.41

145.22 138.6

126.35 132.92

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80.72 84.68

146.63 137.34

123.82 132.22

#######################################

74.26 79.14

153.22 141.92

117.41 125.04

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71.75 77.34

158.51 152.05

105.0 117.92

#######################################

72.0 76.9

160.34 159.48

98.2 115.07

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72.26 76.64

164.33 164.75

90.57 112.65

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72.42 76.68

164.34 164.88

88.49 111.54

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72.67 77.25

162.35 161.87

90.61 110.85

#######################################

71.78 75.84

160.49 155.69

101.32 110.08

#######################################

74.42 77.64

159.01 151.34

108.62 111.08

#######################################

75.8 78.78

157.49 150.13

110.0 112.12

#######################################

73.01 75.99

158.91 149.72

108.69 113.6

#######################################

76.57 79.6

153.35 145.8

111.59 117.95

#######################################

80.59 82.54

145.04 145.56

115.04 122.42

#######################################

79.02 82.32

148.54 149.18

113.53 121.68

#######################################

76.57 80.48

155.08 154.24

109.15 117.98

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84.29 88.51

149.95 141.2

123.71 129.86

#######################################

81.08 86.83

152.93 142.47

118.45 126.52

#######################################

77.74 83.19

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108.42 121.26

#######################################

75.35 79.89

160.08 157.5

99.21 115.78

#######################################

75.08 79.16

161.26 158.36

96.11 115.4

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79.82 82.84

154.94 151.12

106.83 122.68

#######################################

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149.33 142.05

120.44 130.0

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83.34 89.66

149.47 138.85

125.69 132.37

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83.09 89.59

148.97 139.82

127.53 133.29

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79.09 87.04

151.66 144.66

122.51 129.02

#######################################

77.34 87.55

151.52 148.97

119.85 130.0

#######################################

80.31 91.06

151.5 150.56

128.14 140.0

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81.84 92.66

155.8 150.75

133.26 147.13

#######################################

84.09 94.44

158.52 151.85

138.41 152.07

#######################################

80.03 91.58

162.38 154.15

129.18 146.73

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159.82 155.2

144.7 149.86

#######################################

85.26 91.1

157.35 155.73

141.28 150.31

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155.62 155.92

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85.42 88.78

154.37 155.68

143.67 150.83

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81.45 88.74

154.21 155.33

131.94 149.41

#######################################

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150.76 155.99

161.1 151.87

#######################################

90.17 91.37

148.22 157.27

165.55 153.17

#######################################

88.16 91.59

149.12 157.83

163.93 153.18

#######################################

88.58 91.84

147.95 157.18

164.7 153.63

#######################################

90.92 91.35

148.68 156.69

168.02 153.5

#######################################

93.21 91.69

151.06 156.99

169.74 152.47

#######################################

97.83 92.73

149.63 157.96

174.25 150.46

#######################################

100.71 95.47

141.36 157.39

177.24 145.89

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104.21 101.29

127.04 157.31

178.04 139.05

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106.33 105.52

118.68 157.18

173.64 135.22

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109.98 110.55

114.13 156.69

166.86 130.19

#######################################

115.58 117.81

114.45 156.35

157.94 126.26

#######################################

120.84 122.98

118.87 155.34

152.59 124.62

#######################################

126.45 128.24

121.74 152.89

147.0 123.55

#######################################

131.66 131.42

121.41 150.74

141.56 123.36

#######################################

137.31 132.91

124.96 149.66

139.12 125.24

#######################################

140.12 133.52

128.32 148.72

138.69 126.98

#######################################

145.04 134.77

138.73 146.51

138.27 129.55

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146.33 136.12

146.0 144.23

138.41 131.96

#######################################

147.12 137.26

150.89 141.31

137.53 135.33

#######################################

147.49 137.92

152.18 139.4

136.78 137.16

#######################################

147.86 138.69

153.63 137.02

136.19 139.39

#######################################

148.27 138.46

153.74 136.26

135.87 140.94

#######################################

148.59 138.26

153.12 136.76

135.76 141.1

#######################################

148.48 138.2

151.82 137.61

135.93 139.74

#######################################

147.6 137.16

150.5 140.5

136.6 137.3

#######################################

146.0 135.22

148.48 143.93

138.08 134.19

#######################################

144.19 133.24

146.39 146.52

139.67 131.8

#######################################

140.61 130.95

141.14 147.39

142.99 130.33

#######################################

134.28 128.45

133.78 147.82

148.08 129.26

#######################################

128.63 127.09

127.84 147.65

152.84 129.34

#######################################

124.3 125.43

123.33 148.08

155.2 130.77

#######################################

122.57 124.37

122.49 147.11

155.27 132.26

#######################################

122.12 123.54

121.31 147.16

155.55 132.64

#######################################

122.03 121.92

119.97 148.04

155.63 132.82

#######################################

122.24 120.48

119.92 149.04

155.4 132.38

#######################################

122.05 118.38

121.33 150.4

154.99 131.99

#######################################

121.31 116.54

122.28 151.27

155.9 131.03

#######################################

119.69 113.74

122.32 153.05

157.91 129.64

#######################################

118.09 112.43

121.76 154.1

159.96 129.31

#######################################

116.45 111.45

120.37 153.7

161.46 129.02

#######################################

115.5 110.83

119.24 153.17

162.04 128.97

#######################################

115.13 109.88

118.96 151.82

162.74 128.91

#######################################

114.38 108.68

117.98 150.87

163.46 129.22

#######################################

113.22 106.54

117.25 151.96

164.06 129.09

#######################################

112.13 104.06

117.71 154.08

164.94 128.63

#######################################

109.87 102.57

116.84 153.85

166.96 129.58

#######################################

106.95 101.85

116.95 152.98

170.49 132.97

#######################################

105.12 101.39

117.85 152.13

173.56 135.63

#######################################

105.0 100.16

120.14 151.89

175.21 137.48

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104.26 98.8

122.88 152.18

177.07 137.74

#######################################

103.86 97.54

124.63 152.67

178.4 136.92

#######################################

103.63 96.78

125.26 153.09

178.59 136.62

#######################################

robot count: 1

101.86 96.41

124.4 152.93

179.92 135.98

#######################################

99.57 96.24

123.92 152.92

177.34 133.58

#######################################

98.67 96.49

123.75 153.29

176.22 131.21

#######################################

98.15 96.64

123.55 153.88

175.56 129.02

#######################################

98.37 97.39

120.81 152.25

176.66 126.34

#######################################

101.87 98.08

118.59 148.24

179.8 125.99

#######################################

103.61 98.37

112.12 138.92

179.54 123.43

#######################################

89.7 99.38

122.02 126.66

142.83 116.86

#######################################

89.12 99.95

137.0 113.26

111.17 109.41

#######################################

81.36 88.86

140.5 124.51

96.25 105.74

#######################################

77.6 83.2

135.8 130.1

89.76 103.84

#######################################

79.75 90.51

122.28 105.65

92.32 101.54

#######################################

77.14 91.6

103.56 71.21

101.14 99.76

#######################################

70.03 91.18

82.93 10.33

94.69 102.45

#######################################

54.56 48.06

51.82 1.02

94.28 109.64

#######################################

46.55 85.55

40.56 7.7

95.61 110.98

#######################################

46.33 22.78

49.69 42.62

105.83 108.73

#######################################

36.85 38.85

105.04 128.35

116.42 105.57

#######################################

36.46 29.14

141.02 157.43

108.71 101.0

#######################################

40.68 33.14

159.98 167.99

94.38 97.68

#######################################

44.33 35.58

161.27 173.22

88.2 96.4

#######################################

42.71 34.18

158.19 174.12

88.56 95.19

#######################################

33.22 30.72

153.41 172.89

89.1 94.24

#######################################

30.0 28.42

153.44 169.45

87.72 94.13

#######################################

28.89 24.57

157.68 166.07

86.26 94.12

#######################################

30.37 26.31

162.3 158.7

84.73 95.97

#######################################

30.94 27.97

164.05 156.7

84.82 96.95

#######################################

30.94 28.77

164.53 157.85

85.21 97.35

#######################################

30.67 28.12

164.68 158.71

85.25 97.0

#######################################

27.49 24.09

165.65 160.5

85.41 95.58

#######################################

24.71 21.14

166.07 162.01

85.88 94.39

#######################################

26.53 22.78

162.79 161.64

86.04 94.55

#######################################

26.15 21.81

159.5 161.44

86.79 94.34

#######################################

27.61 23.78

157.62 161.09

86.48 95.2

#######################################

28.68 25.77

159.82 160.53

85.59 96.15

#######################################

29.26 26.9

162.29 160.62

85.39 96.45

#######################################

31.36 28.9

160.42 160.9

85.31 97.3

#######################################

34.89 33.02

154.95 164.19

86.79 98.07

#######################################

37.37 34.08

153.0 163.35

88.64 97.0

#######################################

45.83 41.48

153.12 161.37

90.85 97.6

#######################################

61.23 54.97

150.16 159.99

99.68 96.92

#######################################

67.42 62.74

141.91 146.95

104.12 89.89

#######################################

75.64 75.36

128.18 142.82

101.41 86.6

#######################################

74.76 80.12

136.27 178.32

101.56 87.62

#######################################

82.73 93.43

150.44 175.72

103.33 90.79

#######################################

93.95 103.06

173.71 178.33

105.02 96.71

#######################################

94.86 102.57

176.76 160.76

111.94 101.17

#######################################

91.18 97.6

178.86 155.05

112.62 105.52

#######################################

90.12 98.14

174.69 157.51

111.61 112.57

#######################################

92.65 99.89

171.92 162.5

114.27 120.07

#######################################

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170.31 167.09

116.66 125.69

#######################################

95.37 104.78

168.89 169.52

118.85 131.57

#######################################

97.5 108.33

167.04 168.82

120.21 134.97

#######################################

103.33 113.44

162.15 166.9

123.1 136.01

#######################################

113.21 118.81

154.46 164.55

126.41 134.43

#######################################

122.56 124.83

146.79 160.13

128.46 130.93

#######################################

129.11 130.01

138.75 154.56

126.85 128.22

#######################################

counter:1

135.84 135.39

130.51 146.26

122.63 126.78

#######################################

138.89 136.63

128.23 142.51

119.55 128.09

#######################################

141.69 138.39

128.79 139.24

119.86 130.63

#######################################

142.91 139.55

130.39 138.03

120.85 133.34

#######################################

142.91 139.93

131.85 137.24

124.42 135.63

#######################################

143.49 139.67

131.15 137.41

129.82 137.6

#######################################

144.27 139.3

130.16 136.75

133.43 138.98

#######################################

144.07 139.18

131.08 136.14

134.75 140.06

#######################################

143.64 139.17

132.1 136.26

135.18 140.29

#######################################

143.65 138.88

132.92 137.98

135.11 140.06

#######################################

143.89 138.49

132.99 139.67

134.56 139.36

#######################################

144.75 138.39

133.87 141.18

132.42 138.39

#######################################

145.45 138.78

135.47 141.0

129.72 137.44

#######################################

145.23 139.17

135.8 140.69

127.41 135.79

#######################################

144.21 138.87

135.15 140.43

126.26 134.04

#######################################

142.5 137.61

133.38 140.9

125.87 132.08

#######################################

139.88 135.73

132.5 141.8

124.71 130.0

#######################################

137.74 133.71

132.68 142.61

123.45 128.66

#######################################

135.63 131.07

132.2 143.51

122.53 127.17

#######################################

133.49 128.55

131.61 144.43

121.78 126.25

#######################################

130.91 125.82

130.27 145.76

121.75 125.79

#######################################

128.54 123.15

129.62 147.38

122.46 125.37

#######################################

124.0 119.76

132.63 150.23

124.33 125.6

#######################################

119.35 116.94

135.24 151.44

126.55 126.47

#######################################

113.56 113.61

142.17 151.71

128.77 128.16

#######################################

109.44 111.16

149.33 151.43

131.06 128.9

#######################################

robot count: 2102.77

108.06

156.88 151.35

131.62 130.84

#######################################

97.0 103.44

157.2 152.63

130.55 132.32

#######################################

93.57 99.6

153.87 155.2

130.7 133.3

#######################################

91.82 98.05

155.68 156.79

129.28 133.71

#######################################

88.77 97.01

160.29 157.15

124.73 134.26

#######################################

86.39 95.39

163.28 156.06

119.13 132.69

#######################################

84.47 93.19

165.02 155.11

113.44 129.54

#######################################

83.44 90.68

165.24 154.41

111.93 123.86

#######################################

81.16 88.55

162.58 154.18

110.48 114.82

#######################################

80.12 87.12

162.32 152.62

107.09 106.76

#######################################

77.94 85.19

158.09 150.22

100.26 101.73

#######################################

76.14 83.83

154.54 148.77

96.45 100.43

#######################################

74.8 82.62

142.4 139.46

93.27 99.06

#######################################

76.24 79.76

118.32 137.72

89.41 104.2

#######################################

67.27 72.63

101.26 139.85

87.88 106.0

#######################################

55.39 63.96

72.29 133.17

84.68 106.29

#######################################

45.85 59.1

65.65 138.64

81.23 102.23

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37.16 51.1

87.86 157.98

97.66 101.39

#######################################

34.66 37.69

115.63 171.45

117.57 103.19

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33.66 27.15

132.95 178.94

118.28 104.01

#######################################

32.92 21.51

143.72 176.75

113.81 103.19

#######################################

31.98 17.45

154.94 176.45

105.73 102.05

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33.77 18.22

162.88 175.23

98.55 100.58

#######################################

33.63 20.21

164.83 173.61

97.76 100.69

#######################################

31.93 19.07

166.26 177.71

97.49 100.65

#######################################

29.26 17.27

165.13 179.58

97.94 99.24

#######################################

28.8 16.08

163.25 178.71

98.98 98.46

#######################################

29.82 16.74

161.67 178.44

98.63 98.63

#######################################

31.16 18.44

161.47 178.67

97.28 98.02

#######################################

32.68 20.25

162.13 179.14

96.87 97.91

#######################################

34.07 22.78

163.98 179.3

96.5 99.17

#######################################

36.68 26.25

163.68 179.81

98.07 100.67

#######################################

40.02 31.07

163.96 175.85

101.22 103.48

#######################################

44.38 38.38

165.58 168.97

102.44 105.13

#######################################

47.04 42.92

166.11 165.96

103.58 105.99

#######################################

49.5 47.23

164.97 165.6

104.26 106.09

#######################################

50.92 50.12

164.77 164.91

104.25 105.55

#######################################

52.96 52.0

163.51 164.39

104.51 105.07

#######################################

54.74 53.28

162.61 162.38

104.54 106.45

#######################################

56.55 55.3

162.43 164.06

107.22 107.93

#######################################

59.23 59.25

162.85 162.12

107.94 110.92

#######################################

62.09 62.78

161.09 158.36

109.41 117.98

#######################################

65.0 68.17

154.54 153.25

111.32 126.36

#######################################

70.96 80.18

156.54 153.34

121.78 136.43

#######################################

77.19 88.62

159.58 153.59

130.51 141.14

#######################################

84.17 99.38

161.34 150.97

132.84 141.5

#######################################

97.04 106.12

160.52 151.34

133.48 137.98

#######################################

117.2 108.86

139.47 156.0

131.04 129.63

#######################################

123.21 111.2

124.29 161.88

123.6 123.1

#######################################

122.24 115.14

127.58 163.87

115.59 121.22

#######################################

122.14 119.75

129.9 163.95

111.79 120.89

#######################################

125.22 125.34

135.02 161.29

113.64 121.55

#######################################

counter:2

131.09 131.69

132.81 157.18

116.28 123.87

#######################################

133.7 133.53

133.2 154.6

119.04 127.16

#######################################

134.88 134.35

134.79 152.85

120.39 129.48

#######################################

136.65 135.19

137.16 149.96

123.11 132.62

#######################################

138.15 134.31

136.22 148.33

128.24 135.88

#######################################

139.05 133.87

134.6 147.84

131.13 137.72

#######################################

139.27 133.6

133.84 147.98

132.15 138.65

#######################################

138.58 132.81

135.61 148.8

132.7 139.85

#######################################

137.77 132.72

137.49 149.5

132.32 139.81

#######################################

136.94 133.04

139.47 149.96

131.44 139.25

#######################################

136.35 133.31

140.56 150.09

130.72 138.59

#######################################

136.08 134.0

140.71 149.88

130.07 137.34

#######################################

136.16 133.57

139.9 150.37

129.26 135.94

#######################################

136.23 132.82

138.23 150.52

128.57 134.79

#######################################

135.82 132.0

136.7 150.53

127.64 133.6

#######################################

134.87 131.31

135.49 150.84

126.59 132.5

#######################################

133.11 130.33

135.14 151.41

125.07 131.59

#######################################

131.43 129.05

133.82 152.22

123.47 130.51

#######################################

129.46 127.41

132.08 152.6

121.67 129.16

#######################################

127.65 126.1

133.57 151.97

121.37 127.63

#######################################

125.02 124.27

137.3 151.22

120.0 127.42

#######################################

124.02 123.47

139.13 151.69

120.2 126.63

#######################################

122.55 122.2

141.34 152.7

120.84 125.92

#######################################

121.47 120.39

139.86 153.83

120.85 125.09

#######################################

120.54 118.92

140.99 154.27

121.3 124.12

#######################################

119.37 118.05

143.14 153.99

120.82 123.48

#######################################

113.89 117.29

155.28 153.43

119.01 123.11

#######################################

108.7 116.43

166.77 153.29

118.35 120.75

#######################################

106.03 114.94

170.69 152.3

117.5 118.94

#######################################

104.5 113.21

170.84 151.88

116.7 118.42

#######################################

102.22 110.01

167.84 153.28

116.3 118.03

#######################################

99.72 106.23

164.81 154.45

117.7 116.9

#######################################

96.27 104.08

164.42 152.91

117.44 116.13

#######################################

89.77 97.0

167.41 153.4

118.57 114.82

#######################################

89.61 93.32

168.95 156.87

120.69 113.03

#######################################

robot count: 3

88.11 91.95

168.71 157.49

119.92 113.54

#######################################

87.46 92.27

164.75 156.52

119.66 116.23

#######################################

90.46 92.91

156.34 152.25

122.19 124.11

#######################################

90.24 96.8

149.9 142.39

134.6 135.19

#######################################

81.21 87.6

147.8 138.19

130.66 130.34

#######################################

76.2 80.56

153.79 140.96

131.29 123.32

#######################################

68.8 71.24

157.85 148.01

121.34 115.17

#######################################

62.37 59.66

156.46 144.37

119.57 118.28

#######################################

57.81 49.83

156.01 144.0

125.54 118.64

#######################################

52.04 43.98

156.3 147.37

123.79 115.12

#######################################

48.62 41.4

157.97 151.92

120.86 113.45

#######################################

44.94 36.01

159.76 155.75

117.52 110.93

#######################################

41.09 29.67

160.02 159.43

113.83 108.03

#######################################

37.24 26.07

158.97 162.09

111.59 106.5

#######################################

34.69 26.88

158.1 162.11

107.51 104.45

#######################################

35.27 30.97

158.48 162.5

102.62 102.44

#######################################

34.15 31.1

159.86 165.02

99.3 100.64

#######################################

34.33 31.6

160.42 165.68

96.41 100.37

#######################################

33.01 31.31

160.85 164.4

94.82 101.32

#######################################

30.66 30.26

161.05 164.09

93.76 102.52

#######################################

28.34 29.05

161.58 164.12

93.49 103.3

#######################################

26.43 27.65

161.96 164.05

93.98 103.62

#######################################

25.31 26.34

160.65 164.26

94.52 103.21

#######################################

23.67 23.57

159.54 165.42

95.05 101.89

#######################################

21.86 21.16

158.65 166.05

95.38 100.96

#######################################

23.61 22.64

157.72 166.02

95.43 100.99

#######################################

23.64 22.31

157.93 165.76

95.33 100.5

#######################################

22.15 20.81

159.03 165.36

95.62 99.52

#######################################

23.89 23.51

159.41 163.32

95.25 100.17

#######################################

25.26 25.4

159.34 161.98

94.84 100.96

#######################################

25.78 27.0

160.33 160.51

94.12 101.81

#######################################

23.22 24.55

162.08 162.0

94.24 101.37

#######################################

21.04 22.24

162.22 163.46

94.76 100.79

#######################################

23.73 24.31

160.74 163.88

94.56 101.19

#######################################

26.05 26.37

160.12 162.56

94.41 101.27

#######################################

23.31 23.38

161.17 162.31

94.72 100.37

#######################################

26.86 28.77

163.42 164.85

96.47 101.78

#######################################

37.7 40.58

161.18 166.86

100.78 104.63

#######################################

54.62 55.16

157.12 148.07

116.53 113.78

#######################################

78.57 84.76

164.31 148.4

114.7 115.38

#######################################

101.63 104.2

170.33 155.16

110.85 113.83

#######################################

109.75 115.06

172.1 155.47

108.24 106.51

#######################################

113.55 119.7

169.44 162.87

103.4 102.88

#######################################

118.0 124.13

161.69 163.58

101.74 102.63

#######################################

130.27 134.4

150.11 157.45

101.12 102.4

#######################################

139.54 140.65

144.11 155.12

101.71 103.15

#######################################

140.81 142.13

136.6 156.93

101.93 106.05

#######################################

138.59 142.53

133.67 155.32

106.95 113.18

#######################################

139.24 142.43

134.54 149.1

112.4 120.17

#######################################

counter:3

127.17 123.82

133.4 148.62

113.75 124.18

#######################################

134.93 128.9

128.33 148.95

114.89 124.46

#######################################

130.52 123.08

125.65 152.52

116.24 125.62

#######################################

133.25 128.05

130.1 153.13

119.41 127.39

#######################################

129.93 129.07

136.22 152.47

124.03 126.98

#######################################

127.03 128.56

136.53 152.12

124.59 127.55

#######################################

123.69 126.0

136.89 151.95

124.78 128.36

#######################################

119.05 121.62

141.27 152.73

122.9 130.83

#######################################

112.61 115.32

145.59 154.43

125.51 132.41

#######################################

101.54 108.11

152.08 154.24

126.81 132.51

#######################################

91.2 99.42

156.81 153.67

124.35 132.01

#######################################

83.2 90.18

157.38 154.11

121.14 131.06

#######################################

75.58 82.09

159.92 155.73

117.99 130.91

#######################################

76.44 80.58

161.33 155.72

125.22 138.72

#######################################

robot count: 4

69.78 72.49

152.57 151.76

126.61 131.88

#######################################

62.87 65.22

152.33 149.56

130.38 130.28

#######################################

56.43 59.48

155.47 154.15

126.35 131.11

#######################################

53.07 54.05

158.59 157.77

119.99 124.96

#######################################

44.71 43.04

157.26 159.69

108.19 115.51

#######################################

39.86 36.3

158.18 160.59

104.05 111.0

#######################################

36.67 30.64

157.06 160.01

99.53 106.41

#######################################

28.04 23.58

159.08 159.34

94.73 102.23

#######################################

24.24 19.68

160.11 158.92

92.08 99.87

#######################################

21.09 16.97

156.44 157.7

92.0 97.66

#######################################

20.11 16.22

154.6 157.91

92.81 96.73

#######################################

22.46 18.51

153.07 159.0

93.06 97.38

#######################################

21.52 17.69

153.16 160.01

93.23 97.58

#######################################

23.58 19.52

150.38 159.45

93.84 98.08

#######################################

24.44 20.49

148.61 158.76

94.2 98.16

#######################################

24.8 20.58

148.47 158.98

93.87 97.75

#######################################

24.78 20.13

149.72 159.88

93.33 97.64

#######################################

24.91 20.0

151.23 160.37

92.61 97.57

#######################################

21.97 17.2

152.97 161.25

92.76 96.62

#######################################

23.23 18.43

153.24 160.58

92.23 96.89

#######################################

24.3 19.29

153.34 161.03

91.75 97.24

#######################################

24.08 19.84

153.45 161.19

91.57 97.56

#######################################

24.61 20.12

152.46 160.82

92.23 97.55

#######################################

24.7 20.1

152.47 160.3

92.44 97.43

#######################################

24.8 20.18

152.24 159.57

92.62 97.35

#######################################

23.68 18.91

152.49 159.9

92.8 97.19

#######################################

24.22 20.64

150.91 162.14

93.63 98.98

#######################################

24.3 21.78

155.1 165.45

93.86 100.48

#######################################

31.35 26.49

155.47 168.65

98.56 105.67

#######################################

44.82 39.49

143.78 169.12

109.77 107.96

#######################################

75.51 85.97

132.08 149.52

107.21 114.64

#######################################

102.69 117.2

152.04 144.65

104.17 103.99

#######################################

104.37 119.19

172.07 164.76

96.98 98.77

#######################################

107.06 116.44

178.14 179.35

87.86 103.1

#######################################

118.9 120.39

170.08 172.68

94.83 99.73

#######################################

127.1 123.74

143.04 160.04

97.49 101.86

#######################################

129.85 126.48

132.58 152.87

99.26 106.48

#######################################

129.16 128.43

139.05 150.85

104.6 108.57

#######################################

129.17 130.63

143.58 155.62

107.55 115.94

#######################################

131.69 131.66

140.33 156.68

110.32 120.95

#######################################

counter:4

131.45 131.71

139.16 152.82

115.72 123.27

#######################################

130.31 129.97

133.23 153.88

118.32 123.83

#######################################

128.35 128.91

130.81 153.03

119.74 126.7

#######################################

127.18 129.13

133.06 151.27

118.69 130.55

#######################################

125.81 127.12

131.49 153.6

121.76 133.26

#######################################

125.06 125.71

132.79 154.88

125.02 133.91

#######################################

124.81 125.27

135.05 155.33

126.25 133.79

#######################################

124.73 124.78

135.58 156.1

125.21 132.48

#######################################

124.28 124.42

135.32 155.94

123.02 130.9

#######################################

123.5 124.62

139.19 153.45

122.33 131.31

#######################################

123.0 122.7

139.43 153.85

122.98 131.67

#######################################

123.23 120.53

138.05 154.41

124.55 131.98

#######################################

120.21 116.61

137.99 156.36

125.8 131.85

#######################################

114.84 113.73

144.63 158.53

126.71 133.07

#######################################

109.16 111.87

152.99 159.25

127.19 133.89

#######################################

103.45 110.55

159.81 158.25

125.92 134.27

#######################################

100.9 109.11

160.96 156.25

124.6 134.18

#######################################

97.45 106.21

158.16 154.21

124.79 131.86

#######################################

96.49 103.91

157.18 154.68

124.9 130.69

#######################################

95.13 100.89

156.74 156.04

124.8 129.87

#######################################

91.61 97.25

158.41 157.66

121.79 129.06

#######################################

94.88 96.04

150.69 155.11

123.71 134.26

#######################################

92.9 93.17

147.55 153.44

121.94 137.3

#######################################

85.03 88.57

151.84 154.93

118.13 132.62

#######################################

78.58 84.85

155.05 156.09

116.94 128.2

#######################################

74.91 82.37

156.18 152.01

119.22 127.64

#######################################

72.45 79.15

154.1 148.53

120.58 127.81

#######################################

73.7 80.98

155.57 143.82

131.88 132.14

#######################################

74.83 79.46

155.07 145.08

136.53 133.24

#######################################

68.4 72.39

148.61 146.0

128.1 130.74

#######################################

63.64 62.02

155.77 146.4

133.3 128.81

#######################################

58.2 55.01

161.17 151.74

131.88 125.2

#######################################

53.91 50.27

162.26 153.9

128.09 123.86

#######################################

49.22 45.1

161.52 157.19

120.98 119.86

#######################################

47.36 44.24

161.2 160.56

114.62 114.31

#######################################

44.67 42.2

161.06 162.3

110.56 110.65

#######################################

44.64 42.38

160.06 162.51

106.97 108.63

#######################################

41.55 38.27

160.42 162.85

104.48 107.76

#######################################

41.46 37.36

161.29 162.67

102.61 108.67

#######################################

41.41 37.75

161.11 162.41

102.99 110.01

#######################################

37.94 34.55

160.59 162.21

104.13 109.11

#######################################

35.33 32.05

159.73 162.72

104.68 107.81

#######################################

robot count: 5

ROBOT: Exercise 33.23open\_arms\_and\_up\_with\_band done

30.33

159.39TRAINING: Exercise 164.23open\_arms\_and\_up\_with\_band

104.81 done

107.23

#######################################

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_and\_up\_with\_band/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_and\_up\_with\_band/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_and\_up\_with\_band/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_and\_up\_with\_band/09-07-2024 11-26-49

Directory created or already exists: Patients/55581599/Graphs/open\_arms\_and\_up\_with\_band/09-07-2024 11-26-49