"/Users/Bhavya/Desktop/ethz/Master/Master Thesis/gosafe/bin/python3" "/Users/Bhavya/Desktop/ethz/Master/Master Thesis/franka-emika-panda-simulation/controller\_optimization\_lowdim\_impedance\_approach2.py"

objc[17014]: Class GLFWApplicationDelegate is implemented in both /Users/Bhavya/.mujoco/mujoco200/bin/libglfw.3.dylib (0x1417d4778) and /Users/Bhavya/Desktop/ethz/Master/Master Thesis/gosafe/lib/python3.7/site-packages/glfw/libglfw.3.dylib (0x14186d740). One of the two will be used. Which one is undefined.

objc[17014]: Class GLFWWindowDelegate is implemented in both /Users/Bhavya/.mujoco/mujoco200/bin/libglfw.3.dylib (0x1417d4700) and /Users/Bhavya/Desktop/ethz/Master/Master Thesis/gosafe/lib/python3.7/site-packages/glfw/libglfw.3.dylib (0x14186d768). One of the two will be used. Which one is undefined.

objc[17014]: Class GLFWContentView is implemented in both /Users/Bhavya/.mujoco/mujoco200/bin/libglfw.3.dylib (0x1417d47a0) and /Users/Bhavya/Desktop/ethz/Master/Master Thesis/gosafe/lib/python3.7/site-packages/glfw/libglfw.3.dylib (0x14186d7b8). One of the two will be used. Which one is undefined.

objc[17014]: Class GLFWWindow is implemented in both /Users/Bhavya/.mujoco/mujoco200/bin/libglfw.3.dylib (0x1417d4818) and /Users/Bhavya/Desktop/ethz/Master/Master Thesis/gosafe/lib/python3.7/site-packages/glfw/libglfw.3.dylib (0x14186d830). One of the two will be used. Which one is undefined.

/Users/Bhavya/Desktop/ethz/Master/Master Thesis/gosafe/lib/python3.7/site-packages/gym/logger.py:30: UserWarning:WARN: Box bound precision lowered by casting to float32

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69762591 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32778801745965697 1.0 1.2004387665464535 S1 True

0

[ 0.67290618 -0.9473023 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3195518143819175 0.9836414051375114 1.0635699308260402 S1 True

1

[ 0.74919596 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3713966356780848 1.0 1.527322339539196 S1 True

2

[ 0.75722925 -0.91883987 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35488368695149436 1.0 1.5844678369207723 S1 True

3

[ 0.81864222 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37197806456396026 1.0 2.070414096388493 S1 True

4

[ 0.79796531 -0.84109097 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3348198522141937 1.0 1.8972725377455937 S1 True

5

[ 0.81801299 -0.7643328 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3806556771109331 1.0 2.070139846494743 S1 True

6

[ 0.75671541 -0.80175015 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32948889119119024 1.0 1.5830780776880677 S1 True

7

[ 0.86984955 -0.76806372 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37790220614863046 1.0 2.5691861109224243 S1 True

8

[ 0.90559106 -0.82485243 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36933040207988904 1.0 2.966508845495463 S1 True

9

[ 0.7274288 -0.72554505 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3200992746399523 0.9929354382956268 1.3875455627764648 S1 True

10

[ 0.9392051 -0.6854941 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.366818814982976 1.0 3.4010311489462417 S1 True

11

[ 0.99544329 -0.74195513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37021706046740177 1.0 4.225436733813175 S1 True

12

[ 0.66319884 -0.83871882 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.329781116326726 0.9998023923460716 1.0140062615529242 S1 True

13

[ 0.63633936 -0.76387792 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.279849874458444 0.9576550210772401 0.8833991075379172 S1 True

14

[ 0.79634968 -0.66109775 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33968068108520777 0.9977574890734806 1.8929884756452693 S1 True

15

[ 0.84371277 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33041385543056806 1.0 2.3186738143168433 S1 True

16

[ 0.72633379 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34830928565148794 0.9335964671877723 1.387150112850347 S1 True

17

[ 0.66556298 -0.63069046 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33183137317412675 0.7998803678856754 1.0337658360275326 S1 True

18

[ 0.7946386 -0.54806705 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35673754762368387 0.9863454316825832 1.8943202996882935 S1 True

19

[ 0.95554759 -0.87404102 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37126081354886775 1.0 3.612858573984091 S1 True

20

[ 0.87591267 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37407811688779813 1.0 2.627419778104078 S1 True

21

[ 0.82114407 -0.47508478 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.360892856892041 0.6315104127269584 2.1429295447321306 S1 True

22

[ 0.89635359 -0.56217629 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3400649716417791 1.0 2.888343252990673 S1 True

23

[ 0.97869222 -0.55530113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3856618349333643 1.0 3.9974903258612566 S1 True

24

[ 0.61866038 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30658546461570274 0.9802242270661442 0.8002152860575128 S1 True

25

[ 0.94616669 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38469351535902707 0.9947645475926364 3.479735990356067 S1 True

26

[ 0.96171463 -0.46961065 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34036637074860626 1.0 3.7833916156492444 S1 True

27

[ 0.90559106 -0.42202119 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3705764252120281 0.9875107491202086 3.063996496531117 S1 True

28

[ 1. -0.91643674 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3922248817715828 0.9794017998813834 4.289968288363828 S1 True

29

[ 0.60037472 -0.86370451 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27585132024519143 0.9697158199265529 0.7230372632723155 S1 True

30

[ 0.57397003 -0.9760438 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2796299056274899 0.995466700928848 0.6177468052417785 S1 True

31

[ 1. -0.44988764 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3582271414673714 1.0 4.401476411061465 S1 True

32

[ 0.95242123 -0.35987495 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37102610562412774 0.9879031334094667 3.7630235807634285 S1 True

33

[ 0.93584502 -0.28418506 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38907181246626366 0.6534024619245205 3.709260361171977 S1 True

34

[ 1. -0.32632133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3440960781953316 0.9731182364280225 4.597603811922216 S1 True

35

[ 0.59697948 -0.73042427 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3066392690413275 0.8517781642712406 0.7113858738704879 S1 True

36

[ 0.75918617 -0.49676142 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3625338457834605 0.8002286862477309 1.6321924964445098 S1 True

37

[ 0.69143039 -0.51968426 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31858186734936206 0.9682768770624489 1.1879295944316233 S1 True

38

[ 0.6318536 -0.55108456 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2831725468572933 0.8513033374250418 0.8744986260503544 S1 True

39

[ 0.66407439 -0.42758968 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6114169940266505 0.3231555414166547 1.0592071033834443 S1 True

40

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 1. -0.24227758 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3683678969132191 0.74426513516926 5.02290925976102 S1 True

41

[ 0.88679196 -0.32746599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3655815192921356 0.7080244133204251 2.953490916960076 S1 True

42

[ 0.54542015 -0.90286939 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.238694743063726 0.9723081169430431 0.5154104823796444 S1 True

43

[ 0.51540517 -0.98455469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2337741581866468 0.9819373895671933 0.41738339722106166 S1 True

44

[ 0.48506037 -0.92588532 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2162140083457228 0.9030131470008862 0.32869575966828635 S1 True

45

[ 0.57370956 -0.61055058 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24220626064155074 0.7721381809628534 0.6243799122278423 S1 True

46

[ 0.5130007 -0.81429975 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25275809813137773 0.9871719449082019 0.41110690553040524 S1 True

47

[ 0.517964 -0.66813546 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20014019896586702 0.7168650546583919 0.4293521507109444 S1 True

48

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

49

[ 0.50172177 -0.60443177 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.36245478123983127 -0.14309376383300487 0.3823896938961805 S1 False

WARNING:root:Hit Constraint

50

[ 0.8362206 -0.34961189 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35148555734812853 0.8067697635576145 2.373508048436613 S1 True

51

[ 0.81118212 -0.28061967 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5626313792044336 0.7147440188605522 2.253702335816984 S1 True

52

[ 0.44445069 -0.94022732 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17793394115706096 0.9720043164998549 0.2233061745036967 S1 True

53

[ 0.84461375 -0.24472847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5462936715207168 0.7202883082458957 2.725779911314579 S1 True

54

[ 0.39990804 -0.98912641 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14613367970578398 0.9889967543762824 0.1234310646607487 S1 True

55

[ 0.46259252 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1823832281896753 0.9161634827356865 0.2693550473343639 S1 True

56

[ 0.82645395 -0.18586645 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6285252193820272 0.3021488981632704 3.0831948009558325 S1 True

57

[ 0.40450718 -0.86923305 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.09655545575193951 0.8761601949067928 0.13345776887473143 S1 True

58

[ 0.39983582 -0.79332264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.020055852211417875 0.6755030030381866 0.1242161007953479 S1 True

59

[ 0.76907677 -0.35403285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4204394575531737 0.7977389759397421 1.7795010369071944 S1 True

60

[ 1. -0.17963091 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39459585423409926 0.6633866537586243 5.902793422490212 S1 True

61

[ 0.87505713 -0.18031434 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6324380391244158 0.6190985312250407 3.6742758297876064 S1 True

62

[ 0.36652846 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.12501414109508113 0.9702625731508889 0.05811652576520709 S1 True

63

[ 0.90559106 -0.1111647 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6775012889786416 0.49988108262567565 3.4013363356245567 S1 True

64

[ 1. -0.10438593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3533799643729684 0.6927860720295138 4.8076112499334345 S1 True

65

[ 0.98078421 -0.04905347 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5100318731344509 0.6685851325288237 3.8513999120257063 S1 True

66

[ 0.33333333 -0.97081552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.04471774312368488 0.8955496352101293 0.00029190100976739773 S1 True

67

[ 0.98487698 0.019464 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4648764906781653 0.4759446349012468 3.267250712878848 S1 True

68

[ 0.4492145 -0.71968382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.12827796917792209 0.5305635122799248 0.23686601486590617 S1 True

69

[ 0.71677318 -0.36094787 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6352149652919897 0.3712504057766331 1.4015414031553557 S1 True

70

[ 0.34267031 -0.86586826 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.05545393899148193 0.7981307640916153 0.01623070521231777 S1 True

71

[ 0.60003837 -0.51058469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5616104565319896 0.2914678312523064 0.7386583425341231 S1 True

72

[ 0.76584535 -0.27347574 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.432669292523667 0.2616144611416138 1.8742704740337792 S1 True

73

[ 0.40269141 -0.73727584 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.34758951296785956 -0.05462809220558133 0.13077441512877683 S1 False

WARNING:root:Hit Constraint

74

[ 1. -0.81731403 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3881068551696993 1.0 4.294176955520124 S1 True

75

[ 0.90559106 -0.06692338 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.8037271534194137 0.35136973624284706 3.0067130029036244 S1 True

76

[ 0.89433001 -0.94140474 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36297027757111144 1.0 2.83208717118386 S1 True

77

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 1. -0.53396353 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3537730779869396 1.0 4.34803239218419 S1 True

79

[ 0.8438645 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.16739317 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.60293185 0.52987578 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 1. 0.55884736 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 630 [ 0.89921874 -0.08283846]S3 True

83

[ 0.57042898 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

84

[ 0.57765951 0.00188269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.010678254260163 0.9563698024835334 0.47862385115214967 S3 True

85

[ 0.57598721 0.05761568 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9746266051291133 1.0 0.36058669374969776 S1 True

86

[ 0.60035813 0.07057655 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.99902998502416 1.0 0.4082419276533627 S1 True

87

[ 0.60368064 0.14258772 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9519441448536046 1.0 0.28895383996373036 S1 True

88

[ 0.62386503 0.22184813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9158908712245137 1.0 0.21891289207124767 S1 True

89

[ 0.61698542 0.29503012 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.808016947465854 0.980979989673476 0.10927357884824286 S1 True

90

[ 0.55894847 0.15981075 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8339859480922662 0.9912436879296441 0.15589060243291347 S1 True

91

[ 0.54230302 0.26299352 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5968907131590606 0.892780776715093 0.006150486870936503 S1 True

92

[ 0.54169547 -0.02656091 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.984696501682104 1.0 0.4245932360442703 S1 True

93

[ 0.64757137 0.10003891 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0319597124869353 1.0 0.49967719253791576 S1 True

94

[ 0.65691636 0.30077457 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9028201439365906 1.0 0.18821796940202848 S1 True

95

[ 0.69539775 0.2052764 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.028656205664107 1.0 0.4446320612152871 S1 True

96

[ 0.49997402 0.01153187 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8712460297884694 1.0 0.23794171073025658 S1 True

97

[ 0.63200345 0.40253088 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6784216478169596 0.9268204766589624 0.023674486822138924 S1 True

98

[ 0.50607052 0.19285026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5911015177156522 0.8909864433503779 0.015143789415303286 S1 True

99

[ 0.46343253 0.06212972 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6808792779016815 0.9296823521415332 0.08539210220890765 S1 True

100

[ 0.59306281 0.43223424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4394012241530512 0.8138510473589232 -0.06332623446496646 S1 True

101

[ 0.69593455 0.3354669 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9459958261440236 1.0 0.2337553617468466 S1 True

102

[ 0.74198915 0.33192657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0132526100669708 1.0 0.3619648059229593 S1 True

103

[ 0.50298946 -0.06972189 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9582839007570232 1.0 0.39668356181949516 S1 True

104

[ 0.42037359 0.08699004 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4346871332547666 0.8182719275966647 -0.018067465194793016 S1 True

105

[ 0.70443624 0.43507226 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8568529978494925 1.0 0.12709773536946628 S1 True

106

[ 0.4506303 -0.07879906 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8591316637341104 0.9998603603889856 0.2683581513385023 S1 True

107

[ 0.75310205 0.43708413 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9574316872091224 1.0 0.2348004328835287 S1 True

108

[ 0.45927679 0.20696735 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3223358441249962 0.7530192401001699 -0.07023684824568444 S1 True

109

[ 0.39798486 0.01239504 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5069083904455323 0.8582491636189568 0.02492474326489248 S1 True

110

[ 0.71078878 0.51903835 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7521593912721705 0.9578143385315513 0.050475837343616395 S1 True

111

[ 0.66732622 0.55330731 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.507960472530693 0.8511632907519789 -0.05081835452729016 S1 True

112

[ 0.79475184 0.48153685 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9870207561181934 1.0 0.27873139239730177 S1 True

113

[ 0.7686272 0.2592129 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0566338261982406 1.0 0.5858821076377022 S1 True

114

[ 0.81929178 0.41115269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0445047297927723 1.0 0.46269430036963904 S1 True

115

[ 0.50557299 0.31750134 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2713699004753194 0.7216526523896599 -0.09509418445468702 S1 True

116

[ 0.82724916 0.29591869 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068399654400985 1.0 0.7319784677442867 S1 True

117

[ 0.74009041 0.58705423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7364609537714204 0.9511696601104701 0.037798174916369574 S1 True

118

[ 0.81030876 0.55418028 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9555263974854193 1.0 0.21970350230018912 S1 True

119

[ 0.66178093 0.53664431 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.521063984766758 0.8576445664341126 -0.045829929895834454 S1 True

120

[ 0.41081762 -0.11152332 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.793256148338138 0.9747965431159095 0.22652176362014562 S1 True

121

[ 0.8590219 0.43988001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0570767585708856 1.0 0.5434314562355803 S1 True

122

[ 0.47954692 -0.15244223 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9836083519255265 1.0 0.5103022246464975 S1 True

123

[ 0.54835653 -0.12998488 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.040528612350249 1.0 0.7065938893886893 S1 True

124

[ 0.88332244 0.32962001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072283644098972 1.0 0.8956143664766687 S1 True

125

[ 0.83160081 0.63703991 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9179919001425785 1.0 0.16737526723419652 S1 True

126

[ 0.79588438 0.63815344 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8304967648179842 0.9911816443702669 0.09153629951715228 S1 True

127

[ 0.36185986 -0.02918343 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.429559203229776 0.8201685670408071 0.010813343923058195 S1 True

128

[ 0.87063015 0.51439941 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0445503953832618 1.0 0.4464790966809636 S1 True

129

[ 0.91403399 0.42371866 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0717766178466506 1.0 0.795274676208693 S1 True

130

[ 0.61887369 0.55280659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2470195916463016 0.7039907615868365 -0.11603364490664736 S1 True

131

[ 0.74069623 0.17273341 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0616365622671333 1.0 0.6761293653120013 S1 True

132

[ 0.81963364 0.19186673 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071037413448197 1.0 0.9779633138913828 S1 True

133

[ 0.61334673 -0.03592919 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0513738945114324 1.0 0.703144376183131 S1 True

134

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.93448996 0.35738528 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4046945819132075 1.0 1.0742713761075167 S1 True

135

[ 0.86710497 0.60807806 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9991585820164912 1.0 0.2907579532625071 S1 True

136

[ 0.74678189 0.66786651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.607837150204233 0.8957686743898235 -0.022154221890509466 S1 True

137

[ 0.87928821 0.21200153 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2253231605861827 1.0 1.2376917554396063 S1 True

138

[ 0.35360656 -0.11861229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5983314800366184 0.8998680586005555 0.11068478367002238 S1 True

139

[ 0.93597831 0.51833045 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0681897436604904 1.0 0.6716766553544075 S1 True

140

[ 0.81932813 0.71508955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.786496608063306 0.972452438695025 0.0595284743990757 S1 True

141

[ 0.68206125 0.0420647 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0629358071052373 1.0 0.7736059769335832 S1 True

142

[ 0.92855958 0.63449937 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0434271226908045 1.0 0.42753576087665024 S1 True

143

[ 0.9685615 0.58680644 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067912455799136 1.0 0.6558383773349535 S1 True

144

[ 0.66106762 0.05404493 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0534118598032456 1.0 0.6554027249921524 S1 True

145

[ 0.75120386 0.74233139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4564259215088513 0.8213111894605336 -0.07298498608053483 S1 True

146

[ 1. 0.6526588 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0676492271806 1.0 0.6429335774614019 S1 True

147

[ 0.9747083 0.73133971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.042082711417109 1.0 0.41370323549333354 S1 True

148

[ 0.67010281 0.62655401 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3318459997017291 0.7515660317068829 -0.100672924221557 S1 True

149

[ 0.90279588 0.73695845 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9577113006386586 1.0 0.21102811191255996 S1 True

150

[ 0.33333333 -0.17968666 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6386047217928574 0.9174106976438656 0.16179892751454913 S1 True

151

[ 0.97738826 0.42466166 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.337464931873892 1.0 1.1034394587875975 S1 True

152

[ 0.40600366 -0.20128389 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.89539542192783 1.0 0.3628771102805295 S1 True

153

[ 0.89204691 0.60485782 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.027011023817775 1.0 0.3646900850203663 S1 True

154

[ 0.65528156 0.02476318 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0567808558716925 1.0 0.7086101490706286 S1 True

155

[ 0.44722103 -0.19471124 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9663366424060629 1.0 0.506499347772792 S1 True

156

[ 0.77453822 0.28864534 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0529258202954948 1.0 0.5455886028514336 S1 True

157

[ 0.90559106 0.8087488 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.892518009764419 1.0 0.13424199055802152 S1 True

158

[ 0.73940029 0.08862051 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069227489135188 1.0 0.8977551908151166 S1 True

159

[ 1. 0.79331281 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0382418242157327 1.0 0.3931319949997981 S1 True

160

[ 0.53906589 -0.19482228 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0512201564891956 1.0 0.8737301899070358 S1 True

161

[ 1. 0.60346435 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071734210887336 1.0 0.7477776330956187 S1 True

162

[ 0.39474483 0.11380333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2128987819522432 0.6957960856876163 -0.08066337562276142 S1 True

163

[ 0.72788976 0.18276878 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0553007314410197 1.0 0.6033372610642308 S1 True

164

[ 0.958856 0.83490753 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9692524635113822 1.0 0.22422888220841738 S1 True

165

[ 0.33333333 0.75461006 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

166

[ 0.33333333 0.46140407 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

167

[ 0.42008374 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

168

[ 0.33333333 0.93889212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

169

[ 0.69257884 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

170

[ 0.50883908 0.72739805 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

171

[ 0.33333333 -0.5123986 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 780 [0.97507409 0.00485966]S3 True

172

[ 0.45885422 0.52377648 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

173

[ 0.39002763 0.62601199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

174

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8900230497542103 0.8957509523317229 0.12730253648292775 S3 True

175

[ 0.91497288 0.90335147 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7914212621969736 0.974644132503727 0.057087025517258805 S1 True

176

[ 1. 0.84617002 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0151153387035428 1.0 0.31521997972215876 S1 True

177

[ 0.90796142 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5874813657796387 0.8864013996226162 -0.037038972464136934 S1 True

178

[ 0.84441284 0.85504528 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6250381528662476 0.9030503910029288 -0.021000365296052405 S1 True

179

[ 0.73361736 0.78402643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2426070722639746 0.6996747159057471 -0.12398753213681094 S1 True

180

[ 0.86539682 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3802367662217432 0.777514060904737 -0.09707852080395538 S1 True

181

[ 0.97192494 0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0644933226812165 1.0 0.5970019544301141 S1 True

182

[ 0.81623224 0.90877039 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3606754433943746 0.766611574224905 -0.10062027983936461 S1 True

183

[ 0.92938211 0.49617153 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069036605220263 1.0 0.6931551668785983 S1 True

184

[ 0.68139002 0.68924033 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2123523601759822 0.6828894936812318 -0.1276620707862215 S1 True

185

[ 0.81919469 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.097720752369923 0.6149553651660685 -0.15299573488041351 S1 True

186

[ 0.7651068 0.88427635 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1231744698767507 0.6301986607196887 -0.14750562923301377 S1 True

187

[ 1. 0.52971422 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.073061119132476 1.0 0.9257851258490495 S1 True

188

[ 0.90108897 0.6546521 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.011600698317179 1.0 0.3162057944541288 S1 True

189

[ 0.92915414 0.51658562 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0669137230949555 1.0 0.6485830148869083 S1 True

190

[ 1. 0.56324473 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0730711268699227 1.0 0.8415244738295665 S1 True

191

[ 1. 0.71048699 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.059495809685653 1.0 0.5319891112613769 S1 True

192

[ 0.71242229 0.35241613 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.95982299514897 1.0 0.2508580603051336 S1 True

193

[ 0.86391183 0.6137255 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9914631215769203 1.0 0.27456548881866877 S1 True

194

[ 0.71475221 0.7582516 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.205376382102395 0.678409666067229 -0.13066692038054564 S1 True

195

[ 0.6717526 0.74362117 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.9580950473135199 0.5346120735522446 -0.170454593941267 S1 True

196

[ 0.83372112 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1937664851614473 0.6707219420511534 -0.1363665654231948 S1 True

197

[ 0.68598013 0.82384133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.747018884396445 0.4099968383699446 -0.19785150583211616 S1 True

198

[ 0.79055394 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.8855830228488011 0.49050444359533524 -0.18343626277944886 S1 True

199

[ 0.94014775 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7146395537400358 0.9417762262817848 0.014597448149359423 S1 True

200

0.9900497512437811

0.08790887424154345

[0.81929178 0.41115269]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69723975 -0.99394912 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33191734997175854 1.0 1.1982399107335222 S1 True

0

[ 0.68557305 -0.94117229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2984390713930874 0.986733294426875 1.1324797867249836 S1 True

1

[ 0.79218791 -0.91799198 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3589507391408813 1.0 1.8489340529009768 S1 True

2

[ 0.82548782 -0.85022945 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3748401720307469 1.0 2.1337227594575703 S1 True

3

[ 0.77127303 -0.82497701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35756836983118606 1.0 1.6886276621922753 S1 True

4

[ 0.86727028 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37091323831207806 1.0 2.5402224719964983 S1 True

5

[ 0.95990483 -0.73179778 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3787332056015042 1.0 3.6832613873315942 S1 True

6

[ 0.98049636 -0.62828601 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39015773620622896 1.0 4.005201918763557 S1 True

7

[ 0.90559106 -0.87198919 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3676044416889512 1.0 2.964891137643105 S1 True

8

[ 0.90559106 -0.68228139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3814212185928759 1.0 2.976387719876234 S1 True

9

[ 0.84797945 -0.9899989 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3765311959955065 1.0 2.3420816641897826 S1 True

10

[ 0.90912361 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4009178506980816 1.0 3.0046457349972115 S1 True

11

[ 0.82055738 -0.72599595 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35200227680115426 0.873206461868127 2.0946355248491577 S1 True

12

[ 0.94097375 -0.56753594 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3688455381397357 1.0 3.447386041035667 S1 True

13

[ 0.70889014 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35070509342473655 0.999940108771582 1.269312488947321 S1 True

14

[ 0.97581116 -0.84162379 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37904551901740646 1.0 3.910619605285987 S1 True

15

[ 0.66194773 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3355744520921498 0.990556738642514 1.0080592719448522 S1 True

16

[ 0.61996713 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2957099081814978 0.9807354720439057 0.8059891774274233 S1 True

17

[ 0.90559106 -0.50847283 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3404517699243238 0.9918756397040217 3.0148454299226484 S1 True

18

[ 0.93607677 -0.46112299 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3343555618132733 0.9910438843578615 3.4276583646839085 S1 True

19

[ 0.6430212 -0.73719019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31684220667714574 0.9817044000108037 0.9158730681506387 S1 True

20

[ 0.99564197 -0.5143684 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3505702376607316 1.0 4.285345765995185 S1 True

21

[ 0.60405079 -0.89163667 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27978354629692365 0.9935731621031346 0.7380854535623891 S1 True

22

[ 0.59087155 -0.77717347 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29476384920672183 0.7933253945913707 0.6855451232138204 S1 True

23

[ 0.96337285 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.377947291681373 1.0 3.7219547653232494 S1 True

24

[ 1. -0.41778085 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34856685970190066 1.0 4.433569200922172 S1 True

25

[ 0.71105394 -0.68879056 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30837149672031855 0.9781099180571416 1.286799361519432 S1 True

26

[ 1. -0.32576428 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34950733565344955 0.973778264469953 4.599135732935115 S1 True

27

[ 0.84843971 -0.52068523 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3252452740242328 0.9763853156297051 2.385703867844243 S1 True

28

[ 0.95816598 -0.30240907 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36456425798701836 0.7811881032003266 3.980262780747508 S1 True

29

[ 0.79337194 -0.52043376 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3532049129843248 0.7249915232882295 1.8900736826437905 S1 True

30

[ 0.69065749 -0.61042171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38548819307193627 0.7497247386135125 1.1721339871590934 S1 True

31

[ 0.87888815 -0.42028287 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36458688477786094 0.9217847504471969 2.7533629477321657 S1 True

32

[ 0.81919697 -0.42568956 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35919173901577195 0.7447299648211604 2.148529349307398 S1 True

33

[ 0.63659645 -0.62232517 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3209960662139624 0.9799267595719668 0.8905532095647136 S1 True

34

[ 0.61559425 -0.53974912 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3681903474383126 0.6783308260467364 0.8019804045450647 S1 True

35

[ 0.89021478 -0.32242215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36307267699826573 0.7058679644765009 3.0038886577100965 S1 True

36

[ 0.57320066 -0.66857906 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2756105881248095 0.9409131859700676 0.6196746356243109 S1 True

37

[ 0.54691521 -0.57543233 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5118190252244342 0.29051187439780335 0.5292388180667702 S1 True

38

[ 1. -0.24383723 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35486471352867854 0.7565165330089527 5.008335459790244 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

39

[ 0.852588 -0.27937225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3425734623743947 0.7938505010726128 2.677066602084323 S1 True

40

[ 0.80225853 -0.30832422 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.46117203738067886 0.780915835971289 2.1142921062853257 S1 True

41

[ 0.7932724 -0.21965216 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7438487528045884 0.2147248966543924 2.3615377011164234 S1 True

42

[ 0.57663314 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.284629063807281 1.0 0.627755667139863 S1 True

43

[ 0.76226691 -0.36124592 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4929576321568005 0.7880497884909974 1.7207818368795178 S1 True

44

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

45

[ 0.69828825 -0.41268903 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5674282674442944 0.5665200144947692 1.257684655746012 S1 True

46

[ 0.68292635 -0.36982051 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6813063705708776 0.04638799562853794 1.1889245912456086 S1 True

47

[ 0.53372841 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2393344736108598 0.9885676649065217 0.47570836132617716 S1 True

48

[ 0.49966084 -0.97273838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20467829014445468 0.9829562582311757 0.3701294719285378 S1 True

49

[ 0.90559106 -0.23504195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34402276474581245 0.7628930571461202 3.5469105401202663 S1 True

50

[ 0.5249312 -0.88739829 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23485861122628474 0.9479731603098784 0.4477664627040938 S1 True

51

[ 0.875259 -0.16607887 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6612948162378457 0.562713452045506 3.5291369141514752 S1 True

52

[ 0.48493066 -0.85504088 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23627284470472684 0.9866835792781569 0.3287618852618455 S1 True

53

[ 0.44472714 -0.9106641 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20061701583794656 0.9849099625575897 0.22409485428583137 S1 True

54

[ 0.97673898 -0.17642519 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3567406872402966 0.6779771677146251 5.362299747747635 S1 True

55

[ 0.77120984 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3689138228043604 1.0 1.685596698419566 S1 True

56

[ 0.44365417 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13624467658358325 0.8629132039965626 0.2221490663902818 S1 True

57

[ 0.52305727 -0.69180224 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21299877983192872 0.8340322186095993 0.44471577933794426 S1 True

58

[ 0.99371325 -0.1327821 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3506718306554745 0.68599122100489 5.069588885454709 S1 True

59

[ 0.42886341 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.15449470431786935 0.8897338678687525 0.18647339047505854 S1 True

60

[ 1. -0.87754713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39536053561230383 1.0 4.291284684946393 S1 True

61

[ 0.64428939 -0.44566381 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41056056405804775 0.23467935487501684 0.9526369433844721 S1 True

62

[ 0.95449977 -0.09319634 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5407389143075805 0.6774662929840578 3.9175935329446583 S1 True

63

[ 0.91950645 -0.05916448 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.670035897316271 0.38866220804229634 3.1110841950743136 S1 True

64

[ 0.46644849 -0.68551015 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32199639328456814 0.36577465984461605 0.28131448950310706 S1 True

65

[ 0.76739668 -0.63826779 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3317492344373249 0.980451840796984 1.669501631088416 S1 True

66

[ 0.73739344 -0.52471225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35838568346263877 0.8125846566425475 1.473233564586518 S1 True

67

[ 1. -0.04381718 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4086012085904652 0.7020426891571153 4.09143033723433 S1 True

68

[ 0.41048512 -0.81754962 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.06177545821577724 0.8196428481188361 0.14650864739221128 S1 True

69

[ 0.38706375 -0.76715851 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24009879666355582 0.2317555054539992 0.0985465440110927 S1 True

70

[ 1. -0.78094342 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37826446262617186 1.0 4.296613502311554 S1 True

71

[ 0.38643642 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20195570059345236 0.9885650134557429 0.09614783106920968 S1 True

72

[ 0.82382418 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3668414416997239 1.0 2.1164031062473354 S1 True

73

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

74

[ 0.84343512 -0.63560017 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32807032357319216 1.0 2.314271366230422 S1 True

75

[ 0.97165419 -0.00629386 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7528682740032581 0.48536104511306166 3.3178146341050003 S1 True

76

[ 0.42774227 -0.7200379 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29833915808762973 0.2791635598638325 0.1858916148461112 S1 True

77

[ 0.34426538 -0.94950331 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.019656018519711594 0.8818431749766587 0.018675061827306785 S1 True

78

[ 0.85187901 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

79

[ 0.33333333 0.1634382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.64852324 0.46194003 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 1. 0.5387348 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 0.77977132 -0.37323095]S3 True

82

[ 0.59153549 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

83

[ 0.33333333 -0.29824018 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 330 [ 0.74289173 -0.48788064]S3 True

84

[ 0.33333333 0.58004716 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

85

[ 0.5587555 0.12220405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 290 [ 0.78171039 -0.51309706]S3 True

86

[ 0.82216845 0.49692625 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.73903642 -0.48332909]S3 True

87

[ 0.74847212 0.18507227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 180 [ 0.76006885 -0.4121413 ]S3 True

88

[ 1. 0.86512397 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.75397153 -0.48238959]S3 True

89

[ 0.47972585 0.69863288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

90

[ 0.57979678 -0.17154286 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 190 [ 0.76617707 -0.39536676]S3 True

91

[ 0.43975852 0.38076214 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

92

[ 1. 0.26531525 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 430 [ 0.99478105 -1. ]S3 True

93

[ 0.69300623 0.74495026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

94

[ 0.72314359 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

95

[ 0.46515875 -0.29618332 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.76747062 -0.41399932]S3 True

96

[ 0.46063051 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

97

[ 0.43419354 -0.05528717 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 340 [ 0.74220808 -0.49661291]S3 True

98

[ 0.33333333 -0.54562789 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0093822441414984 1.0 0.005728431173354563 S3 True

/Users/Bhavya/Desktop/ethz/Master/Master Thesis/SafeOpt/safeopt/gp\_opt.py:3378: RuntimeWarning:invalid value encountered in subtract

99

[ 0.33333333 -0.46450554 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.985982404116629 1.0 0.010374556099425683 S1 True

100

[ 0.35553538 -0.45742596 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.006932575792643 1.0 0.04976288340329017 S1 True

101

[ 0.3565202 -0.38725741 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9685244430289262 1.0 0.06004981937455376 S1 True

102

[ 0.33333333 -0.32284274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8632792546780714 1.0 0.03216128181436468 S1 True

103

[ 0.36914629 -0.28260023 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9010498284559258 1.0 0.11578985356223168 S1 True

104

[ 0.33333333 -0.21093264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.697335266562869 0.9403635779582342 0.1234200402683786 S1 True

105

[ 0.33505405 -0.13211151 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5459346635553273 0.8792252467363618 0.09298852943274229 S1 True

106

[ 0.38229929 -0.16862221 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7917094148744224 0.9744752996900826 0.25833162761415485 S1 True

107

[ 0.41005755 -0.24326275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9438207950843926 1.0 0.2393688569414817 S1 True

108

[ 0.4545941 -0.21186949 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9887202883793247 1.0 0.4312784258437263 S1 True

109

[ 0.45900513 -0.11562497 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9190698237304211 1.0 0.36219447638770674 S1 True

110

[ 0.36720818 -0.05579608 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5207379489454635 0.8661594064801473 0.05205275378693427 S1 True

111

[ 0.49690895 -0.12496788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9890384335667217 1.0 0.5017821054355844 S1 True

112

[ 0.42831278 -0.33698345 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.023755347602681 1.0 0.22434966579014382 S1 True

113

[ 0.42774227 -0.019297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.697939083312843 0.9373603540106258 0.12129823368202304 S1 True

114

[ 0.51060928 -0.04546092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9511572308655696 1.0 0.3696548907866026 S1 True

115

[ 0.42774227 -0.35244412 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0287107525952974 1.0 0.21813447343713527 S1 True

116

[ 0.50434023 0.04750152 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8367257811637836 0.9918220389978459 0.19208773297888693 S1 True

117

[ 0.46155959 0.10653851 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5839538907754045 0.8890836373083716 0.02990774688934912 S1 True

118

[ 0.54408805 -0.03525624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.993535237914637 1.0 0.4507719038429815 S1 True

119

[ 0.48853033 -0.27013863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.04339616781097 1.0 0.4289065454455415 S1 True

120

[ 0.54811016 0.11976573 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8578490768313776 1.0 0.1869915046534098 S1 True

121

[ 0.37998688 0.04753347 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.321480314682068 0.7586114913573784 -0.041283692611628287 S1 True

122

[ 0.50070524 0.17992751 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5956365814660005 0.8930598831466615 0.019302383941872035 S1 True

123

[ 0.58848875 0.08838024 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9706602265696183 1.0 0.3400741089269559 S1 True

124

[ 0.61193229 0.14913875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9603378319279776 1.0 0.3001774291728437 S1 True

125

[ 0.57027299 0.23016907 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7632581288903277 0.9624565588383452 0.09169074310985521 S1 True

126

[ 0.626959 0.04905247 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0353179909830765 1.0 0.5409392684271632 S1 True

127

[ 0.55733609 0.31176558 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5563345975218117 0.8747826099502202 -0.015295429618057759 S1 True

128

[ 0.54893139 -0.14666289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0454727383993156 1.0 0.7593577800812513 S1 True

129

[ 0.41321435 0.13382195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2653206014816836 0.7239938591392541 -0.07238254831966891 S1 True

130

[ 0.33333333 -0.11357055 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4951321258560653 0.8575424705596358 0.06423803961587435 S1 True

131

[ 0.65200886 0.12601628 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0249141248160156 1.0 0.46058924643971283 S1 True

132

[ 0.66644731 0.2044803 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9990835603142831 1.0 0.3583845544867853 S1 True

133

[ 0.59957409 -0.09386795 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0568629713285143 1.0 0.8155035834706785 S1 True

134

[ 0.52305189 0.32387797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.353884080753152 0.767746699519549 -0.07643664457514607 S1 True

135

[ 0.70390711 0.17678784 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0447552736850874 1.0 0.5300357728448019 S1 True

136

[ 0.33333333 -0.29627891 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8299003029681602 0.9887671810955305 0.04103968868048088 S1 True

137

[ 0.39840419 -0.46111953 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0506003057121047 1.0 0.13332446912654425 S1 True

138

[ 0.4844526 -0.35940398 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0869616293541458 1.0 0.36600295740852506 S1 True

139

[ 0.71744082 0.26345716 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.022611475107157 1.0 0.4061878296521173 S1 True

140

[ 0.69374216 0.32420771 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9519690395352307 1.0 0.2441636280445277 S1 True

141

[ 0.7008692 0.41197379 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.876648369779754 1.0 0.1465345139734952 S1 True

142

[ 0.68216801 0.48795159 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7065369623749 0.9385533172858137 0.02940470949500248 S1 True

143

[ 0.63567792 0.43763521 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6236560433256517 0.9032936278409004 -0.002741203868588623 S1 True

144

[ 0.45400509 0.21748277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.26061851068218 0.7183492291443647 -0.08610961452520119 S1 True

145

[ 0.33333333 -0.00327371 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1913460434202896 0.6905295144715968 -0.06067411136676526 S1 True

146

[ 0.73004458 0.49185966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8498335794306207 0.9991747280849916 0.11597028597091555 S1 True

147

[ 0.46674712 -0.37910721 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0827349113755937 1.0 0.310508800010724 S1 True

148

[ 0.69259187 0.57150298 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5817676682084085 0.8845469177510921 -0.027333553129938876 S1 True

149

[ 0.75618489 0.38464115 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.999565357304025 1.0 0.31826422956579625 S1 True

150

[ 0.78877155 0.32437322 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0512694290228954 1.0 0.5236911211364776 S1 True

151

[ 0.80803733 0.40182998 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.040333335134664 1.0 0.4431734226773191 S1 True

152

[ 0.78174268 0.53814011 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9169131023121189 1.0 0.17329870644644327 S1 True

153

[ 0.84185724 0.49363298 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0314510927181932 1.0 0.3922049015755858 S1 True

154

[ 0.75157916 0.63032026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7005671021245352 0.935890092669657 0.017969528836561194 S1 True

155

[ 0.78833148 0.20078509 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0693613804418907 1.0 0.8050019325637169 S1 True

156

[ 0.71695266 0.08125552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066684844119947 1.0 0.8159868800467484 S1 True

157

[ 0.81539174 0.59446425 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9281079768614113 1.0 0.18148080558046958 S1 True

158

[ 0.59380929 0.45147342 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3929914483937509 0.787677147449309 -0.07708945914271734 S1 True

159

[ 0.48202951 -0.15243671 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.98698115593281 1.0 0.5187835227540625 S1 True

160

[ 0.7678816 0.7065897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6152231203023815 0.8989311060824682 -0.020778447295964803 S1 True

161

[ 0.85795396 0.41504252 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0611155127293617 1.0 0.5888731035686825 S1 True

162

[ 0.33333333 -0.40001112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9408048534651912 1.0 0.016978680780065064 S1 True

163

[ 0.842248 0.28605324 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0709551613093407 1.0 0.8214958011077398 S1 True

164

[ 0.89766615 0.37340976 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0722278256911246 1.0 0.8472875531983244 S1 True

165

[ 0.90271228 0.47644646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065324084788514 1.0 0.6304170382502657 S1 True

166

[ 0.66346028 -0.01092662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0642530034140956 1.0 0.8465141955751405 S1 True

167

[ 0.86792293 0.50812444 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0447961683511675 1.0 0.44864050133268274 S1 True

168

[ 0.90699625 0.55950592 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.052033655309886 1.0 0.48610425842270477 S1 True

169

[ 0.7181407 0.70608338 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3780834680744998 0.7772480085597958 -0.09231642742244228 S1 True

170

[ 0.85211312 0.64381699 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9505344876436326 1.0 0.20617142493802604 S1 True

171

[ 0.33333333 -0.0157982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2302978606686596 0.7126353010399709 -0.04844857284989229 S1 True

172

[ 0.93833781 0.39370497 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071916172306676 1.0 0.9884012080059054 S1 True

173

[ 0.78146728 0.10283734 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4387919165509757 1.0 1.0640526533108927 S1 True

174

[ 0.97376424 0.36107345 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2050288052686078 1.0 1.2868283517559156 S1 True

175

[ 0.51506178 0.36851322 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1722092243615396 0.6642788703856675 -0.11979653051079049 S1 True

176

[ 0.78911744 0.35607554 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0427466130235934 1.0 0.4646362141819952 S1 True

177

[ 0.84010759 0.73200599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.823090774120437 0.9881322965046729 0.08217449147383807 S1 True

178

[ 0.9651341 0.34092119 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.196576314205886 1.0 1.3036594066385752 S1 True

179

[ 0.33333333 0.86725804 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

180

[ 0.59767858 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

181

[ 0.90345347 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

182

[ 0.33333333 0.35197551 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

183

[ 0.81139652 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

184

[ 0.59407696 0.72588331 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

185

[ 0.37923668 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

186

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8900230497542108 0.8957509523317229 0.12730253648292775 S3 True

187

[ 0.97481396 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8253917058762474 0.9893004043196837 0.0770235456681285 S1 True

188

[ 1. 0.9485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9429388745250962 1.0 0.18443337004915877 S1 True

189

[ 0.88144666 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8281408873684828 0.9903640811129372 0.08297719809077331 S1 True

190

[ 0.94214334 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9614967234576355 1.0 0.21339336849757382 S1 True

191

[ 0.90699178 0.96430352 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6571504753569732 0.9169801742297737 -0.010201847307879404 S1 True

192

[ 0.94865419 0.58867172 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.062597559100484 1.0 0.5770107450504354 S1 True

193

[ 0.76074587 0.50546776 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9069807344776937 1.0 0.1656816581435107 S1 True

194

[ 1. 0.83223064 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.022000983616772 1.0 0.33502582835479344 S1 True

195

[ 1. 0.62879093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0698854832905678 1.0 0.6925216289638845 S1 True

196

[ 1. 0.5181683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072668106962978 1.0 0.9561792721071931 S1 True

197

[ 0.81186326 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5799004585623124 0.8832112754702436 -0.03647985523562278 S1 True

198

[ 0.85820605 0.96913251 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.424030544026924 0.8024020927624479 -0.0857886299857814 S1 True

199

[ 0.66460603 0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3123606479629715 0.7405450613158459 -0.10491246093257581 S1 True

200

1.0

0.0

[0.93833781 0.39370497]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69742002 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3202563430342475 1.0 1.1992469449373315 S1 True

0

[ 0.7951826 -0.94256334 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3864861969779444 1.0 1.8727836373233826 S1 True

1

[ 0.75588688 -0.91764504 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32465177400638556 1.0 1.5749509234512737 S1 True

2

[ 0.65223239 -0.94068124 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32215474377337133 1.0 0.9575057960977557 S1 True

3

[ 0.68254151 -0.86542277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31613872411361976 0.9881423936384071 1.1165507903774325 S1 True

4

[ 0.84096293 -0.97801669 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37301401468559087 1.0 2.2747316843184264 S1 True

5

[ 0.72669113 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3476250455808365 1.0 1.3799979924907548 S1 True

6

[ 0.88445981 -0.92017721 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38252415306510495 1.0 2.7215874726769766 S1 True

7

[ 0.88686175 -0.83667253 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.378095859765606 1.0 2.75042701436172 S1 True

8

[ 0.96935208 -0.7502011 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3923760656041358 1.0 3.8195559543545117 S1 True

9

[ 0.97676335 -0.63346761 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37641700365595876 1.0 3.9467382181692736 S1 True

10

[ 0.77671283 -0.7650698 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34922594368461835 0.9921102859158117 1.7316048152564942 S1 True

11

[ 0.90559106 -0.697969 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37532688542767484 1.0 2.974754612344331 S1 True

12

[ 0.81516486 -0.67469303 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3224514642217651 1.0 2.050849641205776 S1 True

13

[ 0.78701949 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3162329466828821 0.9824001093785971 1.8216548733448878 S1 True

14

[ 0.74291479 -0.59862643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3508065566625422 0.9037812632685353 1.4994764664436118 S1 True

15

[ 0.87681004 -0.60848883 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36785529398284583 1.0 2.6593802258922343 S1 True

16

[ 1. -0.80565729 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39160490637177814 1.0 4.294891380548842 S1 True

17

[ 0.75982527 -0.5356156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3472564478645043 0.6627486384778037 1.6280657983976827 S1 True

18

[ 0.68367751 -0.73613576 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33771551988636445 0.9779657183838368 1.1257761401482578 S1 True

19

[ 0.99816839 -0.89797604 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36849845105155843 1.0 4.260488927807641 S1 True

20

[ 0.87128549 -0.51069783 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33714247422876314 0.985341241497438 2.6239933667984614 S1 True

21

[ 0.9026747 -0.44960859 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34759140689856904 0.9616798817268309 3.009155298598987 S1 True

22

[ 0.6314796 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3170703289665487 0.9775059704545088 0.859804370426348 S1 True

23

[ 0.92952169 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36023458477020975 1.0 3.258724493970747 S1 True

24

[ 0.62661403 -0.70805818 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31056640421975823 0.6580268564036732 0.8401005503419204 S1 True

25

[ 1. -0.55268507 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3763718777263082 1.0 4.340160733134889 S1 True

26

[ 0.96554933 -0.42421534 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33747186915611205 0.9909832770365393 3.876439210233227 S1 True

27

[ 1. -0.3834013 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35239805001647406 0.9921490681394304 4.4793816138510705 S1 True

28

[ 0.92158533 -0.35571472 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3740813460866279 0.8370236046920082 3.3410164729124885 S1 True

29

[ 0.59330853 -0.89060969 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26940860350500306 0.9969917370341549 0.6938672269051483 S1 True

30

[ 0.863482 -0.3827324 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38332154903449633 0.6630380230105809 2.617008624085766 S1 True

31

[ 0.58775695 -0.99101029 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2764472560301105 1.0 0.671031752418647 S1 True

32

[ 0.56718877 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2801236984111816 0.9121929868496615 0.5937719751635687 S1 True

33

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

34

[ 0.54489023 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25520124857853443 0.9868862608438989 0.5131220971992854 S1 True

35

[ 0.67176479 -0.61512031 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3422300362842701 0.8229100022731362 1.0676296687163866 S1 True

36

[ 0.50727305 -0.94521643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21602240711423779 0.9701163060309558 0.3927859855740995 S1 True

37

[ 0.50368307 -0.8247636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2619747507040582 0.9847078780038414 0.3828973518666344 S1 True

38

[ 0.70177917 -0.50787301 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32481224634907535 0.9618845115317404 1.2507049678979048 S1 True

39

[ 0.67996089 -0.42272152 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5927893280466244 0.45521049146711257 1.1475360773953214 S1 True

40

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

[ 0.99996752 -0.30031248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37598525076491607 0.988218876146919 4.680137050929638 S1 True

41

[ 1. -0.2139838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36491694729941077 0.6539351788699265 5.438774192482767 S1 True

42

[ 0.46190963 -0.81122367 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18427859862707727 0.9145180573113585 0.2675982639222633 S1 True

43

[ 0.47730543 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18576516795337703 0.977283530478136 0.3071603717181253 S1 True

44

[ 0.9324661 -0.26160283 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37076244033061745 0.6723920337643754 3.7586209240749393 S1 True

45

[ 0.52966137 -0.73347358 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2483367500347321 0.9411307758751453 0.46495048000839306 S1 True

46

[ 0.43803871 -0.93877586 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18542902657917462 0.9888069957652196 0.20799048033584894 S1 True

47

[ 0.88867333 -0.26996535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3481665667973592 0.7720328486590503 3.1295154593185828 S1 True

48

[ 0.48763158 -0.67040676 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3412795574881551 0.4622354794888128 0.3392190614288803 S1 True

49

[ 0.65521837 -0.49730527 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3265011569042428 0.730164455090182 0.9960156475285183 S1 True

50

[ 0.53193644 -0.64152891 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21356105569041794 0.6569543529404549 0.4751061959962829 S1 True

51

[ 0.58116874 -0.54640687 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5164107278633173 0.40419376182428784 0.6580318028906537 S1 True

52

[ 0.41750228 -0.80420846 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11293694243690032 0.8110268412619397 0.1618948366808248 S1 True

53

[ 0.85361401 -0.22988073 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5534175915262871 0.7024706780698918 2.9235896303391153 S1 True

54

[ 0.77256727 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37248898849930556 1.0 1.6957557995874357 S1 True

55

[ 0.88121017 -0.17432857 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6269847962998352 0.6211210205604696 3.699064378904476 S1 True

56

[ 0.37508479 -0.84144124 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.03156769538197403 0.8335398518891852 0.07469345160230974 S1 True

57

[ 0.78628467 -0.45027295 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37104077293611615 0.8052113841352357 1.8551691931428977 S1 True

58

[ 0.78267273 -0.32240955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5453246704646137 0.7336634383282089 1.9241847321373835 S1 True

59

[ 0.54163487 -0.56303337 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3775923176784117 -0.0766367647897552 0.5119499963921612 S1 False

60

[ 0.96380759 -0.91938065 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38488467978433993 1.0 3.7298365151371695 S1 True

WARNING:root:Hit Constraint

61

[ 0.78858931 -0.24472847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43446624031267844 0.2962898210595799 2.162452667629284 S1 True

62

[ 0.33333333 -0.85260054 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.12332948321809628 0.5247112565236909 0.0006623105212777636 S1 True

63

[ 0.39866257 -0.97728563 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14826652278010338 0.9863996716228904 0.12088473139574875 S1 True

64

[ 0.43797014 -0.71081006 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3518626104983784 0.18134331969912354 0.209857771960234 S1 True

65

[ 0.33333333 -0.94921235 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.006832452010210876 0.8486161917896612 0.0003389965937413327 S1 True

66

[ 0.8452223 -0.1630236 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5775858675784151 0.34153758118984107 3.106565249035958 S1 True

67

[ 0.71102591 -0.36660036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6372245518418572 0.3536639009559804 1.3607504613581194 S1 True

68

[ 0.90559106 -0.1232203 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6672614947153515 0.5427352917745324 3.518379214344251 S1 True

69

[ 0.63316461 -0.45448593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4070588962053565 0.16783236493025516 0.8966135338580804 S1 True

70

[ 1. -0.15751147 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3679404540690838 0.6702979644611252 5.553939224560873 S1 True

71

[ 0.34737903 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13163223301386393 0.258251957943183 0.02459754516607049 S1 True

72

[ 0.86164113 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3832535284678263 1.0 2.478145471922483 S1 True

73

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

74

[ 0.93986021 -0.56489521 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34888929831274335 1.0 3.433084401117731 S1 True

75

[ 1. -0.08871448 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35526191102734317 0.6977498762488168 4.609637775775347 S1 True

76

[ 0.99301017 -0.00769889 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7356428750094085 0.6060405129878352 3.621532499282067 S1 True

77

[ 0.90559106 -0.08383611 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44940958219341826 0.3995172188432622 3.151388988416141 S1 True

78

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

79

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 0.96556376 -0.71885608]S3 True

80

[ 0.33333333 0.16300405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.6783448 0.6514138 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 0.58492799 0.16745262 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8899254594331214 0.9038003130378913 0.20417535669254117 S3 True

83

[ 0.56318832 0.18573964 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8095381529697052 0.9813404012932221 0.13122702464305258 S1 True

84

[ 0.56246343 0.24140485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7176921188707024 0.9436895192524134 0.06405164341572311 S1 True

85

[ 0.52342002 0.15288977 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.734929793547452 0.9510266591981795 0.09114774265459341 S1 True

86

[ 0.62392414 0.1927225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.943905588974594 1.0 0.26217757534186814 S1 True

87

[ 0.50695103 0.22648732 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5198116684238183 0.8596579240771023 -0.016413559237346727 S1 True

88

[ 0.63031653 0.28321115 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.860622978904134 1.0 0.15149198245470674 S1 True

89

[ 0.67083303 0.24719678 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.976374700554734 1.0 0.3001104231346535 S1 True

90

[ 0.48870125 0.10827577 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6898751139989894 0.9329338522392379 0.07755490090084242 S1 True

91

[ 0.70250682 0.31771886 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9714221965882721 1.0 0.2758634617698341 S1 True

92

[ 0.74466468 0.35799111 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0016585337573156 1.0 0.3277263756519705 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

93

[ 0.764141 0.30145374 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0439986269281882 1.0 0.48472729125859326 S1 True

94

[ 0.60759671 0.09796304 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9910939610642904 1.0 0.377683742728363 S1 True

95

[ 0.58107955 0.35399112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5684417875976486 0.8797580866284834 -0.015704819841401967 S1 True

96

[ 0.79751227 0.3229923 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0555932256410134 1.0 0.5571438699784601 S1 True

97

[ 0.5438112 0.05341906 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9225800000152475 1.0 0.27961988509133645 S1 True

98

[ 0.79401826 0.41888026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.022066797255906 1.0 0.37160062527199567 S1 True

99

[ 0.8439233 0.35628117 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065453986176623 1.0 0.6602443363915311 S1 True

100

[ 0.65295862 0.38997179 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7734111797928651 0.9667008350621297 0.07432303467262662 S1 True

101

[ 0.68582988 0.46842604 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7531089101178647 0.9582146742193127 0.05496444171561868 S1 True

102

[ 0.73508964 0.52690428 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8155266533389953 0.984608863863105 0.08827791741247722 S1 True

103

[ 0.44972557 0.12676199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4830065192817354 0.8431992752866769 -0.011122258429674995 S1 True

104

[ 0.48887843 0.01108781 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8435092107845876 0.9943164515175773 0.2117904637668496 S1 True

105

[ 0.81595909 0.5109742 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9956998080986228 1.0 0.29260353357856383 S1 True

106

[ 0.85366877 0.54075903 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0211066681860217 1.0 0.3524295794395388 S1 True

107

[ 0.52737883 0.35546555 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2885464957177617 0.7305138000129018 -0.09475804884506223 S1 True

108

[ 0.89966216 0.54839844 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.051152490267351 1.0 0.4814668673471327 S1 True

109

[ 0.71131523 0.18298494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0472594004953186 1.0 0.5428134208107332 S1 True

110

[ 0.7028989 0.57422171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6198392110390807 0.9012134633171724 -0.013385979501038375 S1 True

111

[ 0.92101707 0.4682311 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070007757678529 1.0 0.7209948603970769 S1 True

112

[ 0.89626145 0.3379982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0722890158501452 1.0 0.93491836775799 S1 True

113

[ 0.84521593 0.61644863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9619328872441728 1.0 0.2241309721509543 S1 True

114

[ 0.63143386 0.49422498 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4768713016387651 0.8341753171437033 -0.05681650401545959 S1 True

115

[ 0.79155879 0.21172215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0691381716916593 1.0 0.7904023194862335 S1 True

116

[ 0.83423773 0.36460669 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.061496905986251 1.0 0.6052089647624803 S1 True

117

[ 0.60646468 0.01065882 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.034008097804265 1.0 0.5574799794958386 S1 True

118

[ 0.77605109 0.60624093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8194816487006618 0.9864165816029129 0.08568865555981443 S1 True

119

[ 0.4357016 0.04228184 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6095299319352503 0.9007879188926147 0.05725227190508875 S1 True

120

[ 0.86479149 0.66565607 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9536167072792434 1.0 0.2090479194875738 S1 True

121

[ 0.85981714 0.23633998 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8258200005466636 1.0 1.048214604494329 S1 True

122

[ 0.94199565 0.37920855 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6910786135455174 1.0 1.0490566051331693 S1 True

123

[ 0.95292977 0.52258688 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0708031902433994 1.0 0.7312959222925425 S1 True

124

[ 0.4607908 -0.06199346 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8639072546018256 1.0 0.2644747527876478 S1 True

125

[ 0.55459002 -0.06403128 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0207907497610824 1.0 0.5528560199009424 S1 True

126

[ 0.40955455 -0.03000102 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6487076028202505 0.9179519806696901 0.09912510684572688 S1 True

127

[ 0.77729847 0.45361826 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9820342649691935 1.0 0.27293654384079824 S1 True

128

[ 0.71552556 0.65551691 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4943704068585766 0.8430137106154317 -0.05940113088192951 S1 True

129

[ 0.97986595 0.44741359 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5997279459527993 1.0 1.0496327838244877 S1 True

130

[ 0.91849915 0.64740726 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0314707643306393 1.0 0.37644560483201384 S1 True

131

[ 0.98327867 0.33718989 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1610621871971631 1.0 1.4326704866253757 S1 True

132

[ 0.8739376 0.7389406 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8997475157049821 1.0 0.14362861404676897 S1 True

133

[ 0.90559106 0.80413218 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.897732559082756 1.0 0.13927503769495542 S1 True

134

[ 1. 0.53738213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.073187709554378 1.0 0.9059988586186242 S1 True

135

[ 0.92486733 0.23084964 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.159954918797167 1.0 1.4537533106489628 S1 True

136

[ 0.39296855 0.05883352 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3629876861187622 0.7806032289077395 -0.03268054456647801 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

137

[ 0.91869543 0.25610982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1580046104790465 1.0 1.3184618504100716 S1 True

138

[ 0.84084798 0.77563926 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.758624713885033 0.9605953907925862 0.04157739064414335 S1 True

139

[ 0.4279317 -0.12684213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.861332486394229 1.0 0.2980557226999115 S1 True

140

[ 0.66780173 0.63688877 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2887052791250166 0.7269697476769003 -0.11058422597026552 S1 True

141

[ 0.95123282 0.73802066 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.020338123370159 1.0 0.3346280132795167 S1 True

142

[ 0.68336617 0.10567183 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0522585498477826 1.0 0.6146518620364841 S1 True

143

[ 0.75315181 0.11071508 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069675989577802 1.0 0.8968700711209027 S1 True

144

[ 0.83952601 0.13252775 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1516558769171004 1.0 1.289220660857745 S1 True

145

[ 1. 0.6986918 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.061512492686831 1.0 0.5536169710024448 S1 True

146

[ 0.89581111 0.87133263 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7816142592681465 0.9704314596183722 0.05197806371455701 S1 True

147

[ 0.76531797 0.74250637 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5245621301989039 0.8585395994391065 -0.05297503854512121 S1 True

148

[ 0.87680949 0.37586675 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0702160301877957 1.0 0.749460564525302 S1 True

149

[ 0.70090828 0.72764243 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2144700085995452 0.6838342808701957 -0.1282392748028626 S1 True

150

[ 0.97842455 0.81089871 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.01090799014949 1.0 0.30584725883840896 S1 True

151

[ 0.45544101 0.23474218 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2166927723530525 0.6931612455090566 -0.09778973761275156 S1 True

152

[ 0.5287911 -0.1205096 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.022158257790562 1.0 0.6036461395677039 S1 True

153

[ 0.65358144 -0.00303694 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0607941584446516 1.0 0.7790388848056632 S1 True

154

[ 0.76662222 0.24866599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.057844500989546 1.0 0.6013136716353874 S1 True

155

[ 0.84308216 0.15294779 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.222950119570408 1.0 1.2349348962208637 S1 True

156

[ 0.99435269 0.78451908 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.037311666700876 1.0 0.3898029102482669 S1 True

157

[ 0.58902802 0.47267696 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3073162076177012 0.7392097589489756 -0.09901406118229297 S1 True

158

[ 0.47457695 -0.05733971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8912670463268149 1.0 0.29202404781050106 S1 True

159

[ 0.94873927 0.90584439 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8799977372300125 1.0 0.12042283049250271 S1 True

160

[ 0.42829874 -0.11016936 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8411183926273629 0.9928130794810889 0.26777730975346375 S1 True

161

[ 1. 0.27967685 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1935718046047794 -0.1773648874002087 1.7902147249610092 S1 False

162

[ 1. 0.91462094 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9713027397041978 1.0 0.22504310470698452 S1 True

WARNING:root:Hit Constraint

163

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

164

[ 0.33333333 0.59558222 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

165

[ 0.53078747 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

166

[ 0.33333333 -0.42245044 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 800 [0.98508463 0.33667544]S3 True

167

[ 0.66363839 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

168

[ 0.46417337 0.76744035 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

169

[ 0.33333333 0.37916761 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

170

[ 0.33333333 0.7976809 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

171

[ 0.43203438 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

172

[ 0.45087195 -0.39201195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 580 [0.99495401 0.32261954]S3 True

173

[ 0.42339572 0.49409707 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

174

[ 0.33333333 -0.21751916 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.70890690762008 0.8575496932465386 0.10746335455135483 S3 True

175

[ 0.33333333 -0.14840836 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5740549606640186 0.8911381507191991 0.1131501353544427 S1 True

176

[ 0.39257754 -0.18194899 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8395983060486416 0.9920542488869966 0.31121022631288514 S1 True

177

[ 0.52215121 -0.07945486 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9930677479477805 1.0 0.4784972328399629 S1 True

178

[ 0.43525781 -0.19342577 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9456812084211257 1.0 0.46359987132172215 S1 True

179

[ 0.33333333 -0.03558139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2893568054625957 0.7458508869748662 -0.028207063638019985 S1 True

180

[ 0.65385353 0.10339245 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.035510841209247 1.0 0.5138304056919907 S1 True

181

[ 0.51701751 -0.16996901 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.032146685370665 1.0 0.6975443495574613 S1 True

182

[ 0.56295633 -0.15798515 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0541149618746046 1.0 0.8581937057933767 S1 True

183

[ 0.3689537 -0.28112611 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8990940660346938 1.0 0.11618949336255165 S1 True

184

[ 0.33333333 -0.33304238 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8751561472357339 1.0 0.029412318819664746 S1 True

185

[ 0.59977232 0.00910196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0292875133733914 1.0 0.5374679265184897 S1 True

186

[ 0.57710383 -0.11388845 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Warning: 1 unsafe points removed. Model might be violated

2.0517014550315666 1.0 0.7790700550521409 S1 True

187

[ 0.47242345 -0.25858961 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0300595418578786 1.0 0.3915816097831595 S1 True

188

[ 0.42774227 -0.34181762 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0250838042171466 1.0 0.22137480145478808 S1 True

189

[ 0.34952212 -0.41282343 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9758238483702195 1.0 0.04363130729047865 S1 True

190

[ 0.63761268 -0.04882326 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.062155103471597 1.0 0.84587205660539 S1 True

191

[ 0.51238672 -0.0133457 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9254721642936696 1.0 0.31319408807993926 S1 True

192

[ 0.50698253 -0.27379469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0514685602962115 1.0 0.48479716483784296 S1 True

193

[ 0.70672069 0.04784843 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0674191204310937 1.0 0.8671631222666976 S1 True

194

[ 0.64906863 -0.09843172 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4021730104918926 1.0 1.0734468267589103 S1 True

195

[ 0.33333333 -0.45191976 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9785600981203357 1.0 0.011400485251819586 S1 True

196

[ 0.59922074 -0.21653654 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1194386086060224 1.0 0.991063927888243 S1 True

197

[ 0.4211688 -0.41392744 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2070367051632467 1.0 0.18940265714173785 S1 True

198

[ 0.37807267 -0.51572247 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0426030709714789 1.0 0.08787535534021426 S1 True

199

[ 0.33333333 0.02299885 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.105473910856626 0.6412975318538832 -0.08493235886720285 S1 True

200

0.9900497512437811

0.09016006608759855

[1. 0.6986918]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69699664 -0.98694196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3280633535330812 1.0 1.1968779375722274 S1 True

0

[ 0.7553925 -0.9458025 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34516238389086634 1.0 1.571130346257849 S1 True

1

[ 0.67748113 -0.94064943 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3193393357671274 0.9831806052072876 1.0881466059455456 S1 True

2

[ 0.757673 -0.88000052 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3596443866857257 0.999135897345608 1.588188280481539 S1 True

3

[ 0.80165489 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36990255464354743 0.998255810871318 1.9285472924630351 S1 True

4

[ 0.62101538 -0.98389771 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30264542165839686 1.0 0.8107156615557187 S1 True

5

[ 0.85611046 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37532494301264163 1.0 2.4261680915338566 S1 True

6

[ 0.90559106 -0.75453036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36883884919464466 1.0 2.9701689978927184 S1 True

7

[ 0.9549213 -0.76822506 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3843923931141488 1.0 3.6093301461814917 S1 True

8

[ 0.91956789 -0.65667828 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3605410271511487 1.0 3.150390998936289 S1 True

9

[ 0.86375079 -0.68391695 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3682133553565618 1.0 2.5116720373460364 S1 True

10

[ 0.99549219 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3804013931836075 1.0 4.220843186058506 S1 True

11

[ 0.81913378 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36724541295400487 1.0 2.0747412957597526 S1 True

12

[ 0.87706773 -0.94029448 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3745287390007996 1.0 2.640624690453654 S1 True

13

[ 0.94638005 -0.92402009 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38836376578522436 1.0 3.48402433231474 S1 True

14

[ 0.75714205 -0.76086691 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3725247144222335 1.0 1.587457155121641 S1 True

15

[ 0.98915768 -0.58580881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3760982676720719 1.0 4.152059788499576 S1 True

16

[ 0.76208873 -0.66105791 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3269782803831964 0.9859618483247694 1.6285913788266109 S1 True

17

[ 0.85710791 -0.5905732 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33096626128583023 1.0 2.4561375459756856 S1 True

18

[ 0.62283193 -0.89610806 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29035121830221655 0.9987808482452081 0.8194217649316139 S1 True

19

[ 0.64462497 -0.81135701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3202907951583654 0.9844362475705607 0.9218568333675448 S1 True

20

[ 0.70327345 -0.67652492 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3307532514609694 0.862249274479214 1.2407230930437738 S1 True

21

[ 0.80516709 -0.53602475 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3632749796241488 0.9866765070429243 1.9847153136733942 S1 True

22

[ 0.59417155 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.264583978029227 0.9554589968673626 0.6982816196393336 S1 True

23

[ 0.62136755 -0.70398776 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36816822109720965 0.7286960728896461 0.8166049935178908 S1 True

24

[ 0.57747688 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27229330732968315 1.0 0.6309774519795928 S1 True

25

[ 1. -0.9436607 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36723754703241973 0.8842615106067916 4.289237123789418 S1 True

26

[ 0.93587772 -0.51771267 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3552083133745593 1.0 3.3958992445495846 S1 True

27

[ 0.75493518 -0.5179784 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3649546800208157 0.7620075347735845 1.5964282421555034 S1 True

28

[ 0.86930426 -0.46492833 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3767485811781486 0.9873087333419659 2.6217146168045016 S1 True

29

[ 0.79757441 -0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3526056782365358 0.8008408046418509 1.9556209911879692 S1 True

30

[ 0.53630393 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24472526977155984 0.9932586861672331 0.48421376927876736 S1 True

31

[ 0.49149298 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20077848534429 0.9830220629403218 0.34650224677809 S1 True

32

[ 0.93773309 -0.42712106 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3367146433792172 0.9872479328826478 3.4752242198695065 S1 True

33

[ 0.48654975 -0.93448024 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2273464462185261 0.670535362121045 0.33280777707834985 S1 True

34

[ 0.70440484 -0.53421518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3435908756538351 0.8991091833881123 1.2617080537615837 S1 True

35

[ 0.82648466 -0.34902488 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3375994697908359 0.8171249498302677 2.279968699609235 S1 True

36

[ 0.66556604 -0.47239575 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5087264973422275 0.668090941254914 1.0547602378242493 S1 True

37

[ 0.90559106 -0.32494078 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36486015392345233 0.649807245206754 3.1885715724360817 S1 True

38

[ 0.53604831 -0.80947359 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27863822522240866 0.9634845220742909 0.4846857770810901 S1 True

39

[ 0.97718252 -0.39584289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34090008088554974 0.9838939504270987 4.086992894888805 S1 True

40

[ 0.52455177 -0.72799892 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23941255592420582 0.9233122376294249 0.4486015319465542 S1 True

41

[ 0.63494827 -0.521919 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31641908173903843 0.7205877612800079 0.8926768925509304 S1 True

42

[ 0.94095028 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4042960473434577 1.0 3.409100998645088 S1 True

43

[ 0.50746167 -0.64076653 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3838120313276857 0.4118698608325844 0.3980239587935308 S1 True

44

[ 0.48837287 -0.70251144 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17198263248426524 0.7166240887337189 0.3404960961641719 S1 True

45

[ 1. -0.32336585 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34817371421018345 0.9579412194850478 4.605840748410439 S1 True

46

[ 0.77699133 -0.34969669 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3867155314609595 0.822934872627579 1.84622160887846 S1 True

47

[ 0.78613468 -0.25751871 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4304417009059571 0.34804695948413394 2.091682310932749 S1 True

48

[ 0.63399294 -0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.41812318919152114 -0.08428570488608673 0.9059675130834073 S1 False

49

[ 0.44862358 -0.98586982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18666532628973703 0.8908853474250102 0.2333152117078446 S1 True

WARNING:root:Hit Constraint

50

[ 0.40527986 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.12767204696207876 0.9068863271889568 0.13463616541206203 S1 True

51

[ 1. -0.25087212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36677076831079786 0.8147117715658543 4.948287917396664 S1 True

52

[ 0.35710005 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13627970433170392 0.9608335278210863 0.040997308581989834 S1 True

53

[ 0.37401076 -0.9447588 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.028194762587803256 0.9348894475763685 0.0722324195136036 S1 True

54

[ 0.7255829 -0.35003442 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6378281601973937 0.38089433335541917 1.4681131485023182 S1 True

55

[ 0.43431222 -0.85922404 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14081330579594645 0.9291397248254198 0.19962099071842823 S1 True

56

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

57

[ 0.97217008 -0.22706598 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.388379553292418 0.658705444514409 4.678788470747128 S1 True

58

[ 1. -0.17925258 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3903166446904463 0.6635036217813668 5.896621203392639 S1 True

59

[ 0.40288097 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.07514572546981306 0.8129457035562442 0.13041571771765575 S1 True

60

[ 0.33700096 -0.92001171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.035047950168100105 0.8579070240759845 0.006490815025431135 S1 True

61

[ 0.4333686 -0.71736776 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3296479612375098 0.19520550292347044 0.19892783410407014 S1 True

62

[ 0.99769989 -0.11061276 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.350707133061521 0.6919897490417987 4.846472610246137 S1 True

63

[ 1. -0.44337312 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35938425159915127 1.0 4.4073116583973855 S1 True

64

[ 1. -0.00609303 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6638100555087684 0.6345272699542066 3.7061085179369346 S1 True

65

[ 0.55517173 -0.59219469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42138802502422384 0.5090316147888521 0.5572017129091081 S1 True

66

[ 0.75804712 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34977276325506645 1.0 1.589517163162208 S1 True

67

[ 0.82639063 -0.27142982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5499566652037315 0.7463908328986366 2.4271024689786977 S1 True

68

[ 0.53633527 -0.93174562 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26089893436901457 0.9808171442386762 0.48460819246733017 S1 True

69

[ 0.69279843 -0.80753762 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34524052532470856 1.0 1.1750246652069607 S1 True

70

[ 0.92819448 -0.18007933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3517652641487254 0.7468197959956889 4.507391959685484 S1 True

71

[ 0.91833627 -0.07795816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4374904169884222 0.44492517411467886 3.2612272185549718 S1 True

72

[ 0.88725554 -0.12039063 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43581318844797223 0.4327471661242731 3.247100697993353 S1 True

73

[ 0.87837933 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3655708137811254 1.0 2.653974131066185 S1 True

74

[ 0.97775785 0.00964265 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.447543576541194 0.4704946212890017 3.2591666382920614 S1 True

75

[ 0.81741587 -0.20267082 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4428525884818421 0.31379353897959245 2.9158146276471992 S1 True

76

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 1. 0.04452504 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4425955338609328 0.5820739225984588 3.2507014329079054 S1 True

78

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108392 1.0 0.12730253648292775 S3 True

79

[ 1. 0.94717935 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9441380592894513 1.0 0.18596982749224342 S1 True

80

[ 0.97493824 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.825742086036972 0.9894508220402959 0.0772610773240006 S1 True

81

[ 1. 0.86211823 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0064386002200347 1.0 0.293180112551347 S1 True

82

[ 1. 0.75862361 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0489328832821982 1.0 0.4486365857250087 S1 True

83

[ 0.96917698 0.7924032 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.010893219030523 1.0 0.30660797720963695 S1 True

84

[ 1. 0.67368838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0651775228947056 1.0 0.601133126257123 S1 True

85

[ 0.97078136 0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064177871251782 1.0 0.5927714319712253 S1 True

86

[ 0.93529847 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6970194032878858 0.9342084166371072 0.0064457876393274344 S1 True

87

[ 1. 0.57354291 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.07274844460331 1.0 0.8167875341078977 S1 True

88

[ 0.90310605 0.93570286 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6968020770075636 0.934128634147029 0.0073056853804864715 S1 True

89

[ 0.91747436 0.79315582 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.93373860981203 1.0 0.17771334068872244 S1 True

90

[ 0.90217616 0.67730386 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.99982960472667 1.0 0.287246821069703 S1 True

91

[ 1. 0.46884989 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.34942580518153 1.0 1.0946418848093467 S1 True

92

[ 0.86844932 0.81797956 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7793967011484662 0.9694747198721377 0.052010847448107946 S1 True

93

[ 0.84469718 0.71989054 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8520854731754341 1.0 0.10356501737717443 S1 True

94

[ 0.87881337 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.450641486024403 0.817400648049394 -0.07909741443214728 S1 True

95

[ 0.84542072 0.62571039 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.954573483284248 1.0 0.21289677849947386 S1 True

96

[ 0.90559106 0.55217291 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0530896299231878 1.0 0.4944888581573303 S1 True

97

[ 1. 0.40308976 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2001948072245603 1.0 1.3036537392192131 S1 True

98

[ 0.94924388 0.41454232 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0720306417454784 1.0 0.9850629982839629 S1 True

99

[ 0.88220957 0.46107445 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0615998213684157 1.0 0.585034908915989 S1 True

100

[ 0.81118212 0.54663786 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9631918943118694 1.0 0.23159748075714842 S1 True

101

[ 0.78726515 0.62195559 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8290091813412304 0.9905154412592522 0.09136886953043181 S1 True

102

[ 0.77111693 0.5016785 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9319772643824535 1.0 0.19381214213365242 S1 True

103

[ 0.73048738 0.5355606 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.788893088459446 0.9733468740681048 0.07052838930429164 S1 True

104

[ 0.81513289 0.80996869 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5966669082134672 0.890636197923348 -0.030525669328489224 S1 True

105

[ 0.79261584 0.41228238 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0238156756214165 1.0 0.37820694584798936 S1 True

106

[ 0.69653671 0.48581418 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7598318960486075 0.9610451767521211 0.05726168257451292 S1 True

107

[ 0.68560176 0.57923074 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5330178843384108 0.862843711390015 -0.04421888850669619 S1 True

108

[ 0.73975172 0.37030492 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.987482687960942 1.0 0.2955243648599814 S1 True

109

[ 0.66175549 0.41472538 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7619970086727745 0.96193594464548 0.06498865274269276 S1 True

110

[ 0.72213946 0.68112522 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4639892139542512 0.8258135475647975 -0.06907148966455387 S1 True

111

[ 0.68815031 0.31712855 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9483534152050348 1.0 0.24031634903763516 S1 True

112

[ 0.80446232 0.87985224 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3753966950593906 0.7750516898581362 -0.09669374356683795 S1 True

113

[ 0.7901304 0.33539429 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.049182029956683 1.0 0.5068713676059898 S1 True

114

[ 0.65440751 0.26892449 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.930248442430973 1.0 0.22578623645883614 S1 True

115

[ 0.89097197 0.35451682 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0722961339561397 1.0 0.8653689184011313 S1 True

116

[ 0.60505084 0.26725474 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8135065303023736 0.9832016991695641 0.1177556412351946 S1 True

117

[ 0.6141961 0.41682871 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5763748970394758 0.8828291357684646 -0.018831955298596353 S1 True

118

[ 0.79807481 0.24255426 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0677724565579108 1.0 0.7399671963249248 S1 True

119

[ 1. 0.89301039 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9869819352276519 1.0 0.25229389405957836 S1 True

120

[ 0.69644962 0.20919925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.027893788000845 1.0 0.44052327965770116 S1 True

121

[ 0.75683157 0.17026339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066418440100053 1.0 0.7485099409680839 S1 True

122

[ 0.75414258 0.79891915 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3201435153754182 0.7439305567367309 -0.10801085571534924 S1 True

123

[ 1. 0.30555872 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1794442696035823 -0.2033498204820296 1.6762782125776865 S1 False

124

[ 0.57291275 0.39478368 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.431795297777411 0.8100466393299307 -0.06249758822228134 S1 True

WARNING:root:Hit Constraint

125

[ 0.61852141 0.19536508 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9314181898883924 1.0 0.2445570265276699 S1 True

126

[ 0.5693531 0.19743451 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.810585712286585 0.981802163523318 0.12937972338299714 S1 True

127

[ 0.65580436 0.61989074 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.267842361198901 0.7152159096641613 -0.11440227745718179 S1 True

128

[ 0.83693689 0.22466348 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0713856783184474 1.0 0.9664199945134326 S1 True

129

[ 0.59081285 0.10286822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.963142374605549 1.0 0.3210300377884995 S1 True

130

[ 0.56531144 0.19431751 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8032402952476076 0.9787996526549122 0.12486361096578659 S1 True

131

[ 1. 0.70294736 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0608079533573336 1.0 0.5457569830620643 S1 True

132

[ 0.69580576 0.12989853 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.052565782528677 1.0 0.6045289152681628 S1 True

133

[ 0.83732516 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2165152274537543 0.6838568400514411 -0.13211003188797035 S1 True

134

[ 0.62141726 0.54911364 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.273490998085496 0.7191238441195053 -0.1103692356821702 S1 True

135

[ 0.88039297 0.66606921 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9780117391152847 1.0 0.24644497784859515 S1 True

136

[ 0.53005345 0.25474537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5612723060309361 0.8774779786462145 -0.006062445491645278 S1 True

137

[ 0.80147272 0.12668472 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3561921933478711 1.0 1.0913165084753638 S1 True

138

[ 0.8768853 0.22073461 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2657780111934727 1.0 1.1932565914972741 S1 True

139

[ 0.62236424 0.20754834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9271532488231735 1.0 0.23598378170853207 S1 True

140

[ 0.99527 0.71520003 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0567824815806435 1.0 0.5072851400958003 S1 True

141

[ 0.69730309 0.07334473 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0630814613131356 1.0 0.7524461634829219 S1 True

142

[ 0.86276189 0.67097954 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9453875495262485 1.0 0.19774075991926157 S1 True

143

[ 0.62848029 0.02864883 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Warning: 1 unsafe points removed. Model might be violated

2.043020577739777 1.0 0.5943830887854874 S1 True

144

[ 0.52905811 0.2642975 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5351565925191502 0.8659539330910201 -0.016627495860688107 S1 True

145

[ 0.85742223 0.10137784 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.154692927731296 1.0 1.532444302552768 S1 True

146

[ 0.70901982 0.73654212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2372277570146746 0.6968502458207894 -0.12401844415118848 S1 True

147

[ 0.54634982 0.43013643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.175896161213242 0.665122922569714 -0.12343757748336938 S1 True

148

[ 0.96396817 0.57087765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0685744144149023 1.0 0.6710959778495199 S1 True

149

[ 0.76726849 0.36015171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.024326980163583 1.0 0.3893583819486632 S1 True

150

[ 0.53063242 0.14220166 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7762168548616466 0.9677580751192272 0.11882515274483085 S1 True

151

[ 0.52301511 0.0570591 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8726246182787916 1.0 0.22154454903373394 S1 True

152

[ 0.48805304 0.24739929 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3708589344272555 0.7788223936882688 -0.06344570457651193 S1 True

153

[ 0.72507595 0.04096331 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069015763481367 1.0 0.9773832749617197 S1 True

154

[ 0.56352982 -0.02696186 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0116299359952197 1.0 0.4960624568415294 S1 True

155

[ 1. 0.60511688 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0716430954142986 1.0 0.7440862321595758 S1 True

156

[ 0.85000969 0.08557747 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1623894614610424 0.9547300568928414 1.5504767519918812 S1 True

157

[ 0.92244617 0.91326403 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7990803560587532 0.9779378484474772 0.06154769123984697 S1 True

158

[ 1. 0.74491899 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.052362975976801 1.0 0.4715911907550377 S1 True

159

[ 0.33333333 -0.31147296 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8494305336399923 0.9955097519515425 0.03562055350441743 S3 True

160

[ 0.33333333 -0.25228769 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7665320529397377 0.9662071742263298 0.06514883511500798 S1 True

161

[ 0.35243081 -0.20304537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7504233283891804 0.9597087331036104 0.2013814785833499 S1 True

162

[ 0.38051358 -0.26528711 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9074159139766786 1.0 0.15043665441514326 S1 True

163

[ 0.39535777 -0.14163373 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7911970511574642 0.9741401762551201 0.24164518404664953 S1 True

164

[ 0.50029514 -0.06093427 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9464205251385118 1.0 0.37060900808023656 S1 True

165

[ 0.46192289 0.01645056 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7554336425593673 0.9597172270670665 0.14299749471632417 S1 True

166

[ 0.40979537 0.00794113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5711767104535612 0.8855370650731322 0.05113815546358223 S1 True

167

[ 0.42774227 -0.22113938 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9557071871669724 1.0 0.3230253377963445 S1 True

168

[ 0.35664831 -0.07103759 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5063857529723639 0.8606389196985961 0.052024627229394174 S1 True

169

[ 0.56423932 -0.02028781 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0088500586844793 1.0 0.48338138192257507 S1 True

170

[ 0.44630768 0.14911274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4091379404125888 0.8024568208662856 -0.03800836895452655 S1 True

171

[ 0.33422215 -0.38458843 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.929200021706809 1.0 0.02070690111336057 S1 True

172

[ 0.38799011 -0.36426797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9962682718922016 1.0 0.12625011499547723 S1 True

173

[ 0.50606769 -0.15198955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.014881823912618 1.0 0.6037006042627239 S1 True

174

[ 0.45914711 -0.3034838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0351208071602462 1.0 0.31838398366874443 S1 True

175

[ 0.46410476 -0.39957505 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.082288204313864 1.0 0.29863578814050806 S1 True

176

[ 0.68057762 0.20060626 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0170242586499056 1.0 0.40718330414173276 S1 True

177

[ 0.50727905 0.07405978 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8079312727190597 0.9804282740091343 0.16016724229960186 S1 True

178

[ 0.33333333 -0.01671157 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.233090306770365 0.7142133316877984 -0.04753951845222314 S1 True

179

[ 0.50392422 -0.24291191 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0450577476466685 1.0 0.5139680861415324 S1 True

180

[ 0.5923366 0.12865079 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9441241866331083 1.0 0.2818141219605306 S1 True

181

[ 0.59710022 -0.07383288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0522105074040873 1.0 0.7439362661120867 S1 True

182

[ 0.68857749 0.02231094 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0663048657693324 1.0 0.8604316729506604 S1 True

183

[ 0.39145071 0.09316508 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2557362986842622 0.7204770803397972 -0.06718904805842368 S1 True

184

[ 0.3371684 -0.45286012 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9841272652857962 1.0 0.017820593733634416 S1 True

185

[ 0.33333333 -0.54601456 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0093739617620627 1.0 0.005712489719554371 S1 True

186

[ 0.6738861 -0.07843544 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3197365310068752 1.0 1.1322167718982201 S1 True

187

[ 0.49033894 0.05878224 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.779483781551167 0.9691170529084093 0.14469076679660825 S1 True

188

[ 0.75057032 0.12860355 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068579052207421 1.0 0.8331917758393637 S1 True

189

[ 0.65180511 -0.00136477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.060009026865527 1.0 0.7665610597928525 S1 True

190

[ 0.33333333 0.01895596 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.119068486834709 0.649136885917673 -0.0813169344302816 S1 True

191

[ 0.54388946 -0.227956 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0570011885770354 1.0 0.6956011048830233 S1 True

192

[ 0.51039327 -0.37057912 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.096100042509738 0.09085804411904391 0.4411458785021389 S1 True

193

[ 0.6165148 -0.13781722 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.063733361941265 1.0 1.050029445870699 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

194

[ 0.33333333 -0.60026181 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.9201795943303843 -2.942763465047803 0.003875084438161837 S1 False

195

WARNING:root:Hit Constraint

[ 0.89978698 0.51794677 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.057861491367021 1.0 0.5375214581146133 S1 True

196

[ 0.41924547 -0.44918961 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0622740648068714 1.0 0.18015830974032024 S1 True

197

[ 0.48385319 -0.08828471 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.94097983470091 1.0 0.3782637845951484 S1 True

198

[ 0.63047646 0.07977657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0259965313583006 1.0 0.48546977746084047 S1 True

199

[ 0.38917938 0.12128452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1532614070051794 0.6621424922109876 -0.09440887970921284 S1 True

200

0.9850746268656716

0.16614397307775786

[ 0.6165148 -0.13781722]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69772605 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34442706030093123 1.0 1.2010187838604545 S1 True

0

[ 0.79522827 -0.90659351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38310531533564235 1.0 1.8736493932733171 S1 True

1

[ 0.65886089 -0.94610035 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33126674255960575 1.0 0.9906667055525986 S1 True

2

[ 0.74751862 -0.87713894 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3235313664828511 0.9931612696469155 1.5170871913911426 S1 True

3

[ 0.83939285 -0.84262229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.364061548905893 1.0 2.2623355112172185 S1 True

4

[ 0.69496781 -0.83553199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3406332875328365 0.9969667745510885 1.1868848835293455 S1 True

5

[ 0.8816231 -0.81450145 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3689859777417382 1.0 2.69338937232497 S1 True

6

[ 0.80188711 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36898513993417636 1.0 1.9272249470294616 S1 True

7

[ 0.94118832 -0.70719219 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3796818231199681 1.0 3.425235513102063 S1 True

8

[ 0.95330183 -0.77578906 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38329597913569724 1.0 3.5860215952787113 S1 True

9

[ 0.76683357 -0.77816859 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3536893765414324 0.9967954453107254 1.6570671201296818 S1 True

10

[ 0.80275486 -0.70882828 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3442056003110082 1.0 1.9423552695168653 S1 True

11

[ 0.98451377 -0.60542903 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38440087456541233 1.0 4.073112039135462 S1 True

12

[ 0.71879261 -0.71447136 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3148745590263929 0.9843875272500406 1.3332633380583723 S1 True

13

[ 0.75673492 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3364027252386143 0.9602311957985853 1.593445398969964 S1 True

14

[ 0.90559106 -0.92004782 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3662466508343267 1.0 2.963707128425399 S1 True

15

[ 0.65798849 -0.77244019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29514934911830776 0.9791867466042942 0.98873942331253 S1 True

16

[ 0.95121335 -0.55646691 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35671104483257693 1.0 3.592048806472024 S1 True

17

[ 0.85265609 -0.61554678 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34179009762291584 1.0 2.4073371753242574 S1 True

18

[ 0.79774505 -0.53280358 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3605786314013747 0.9583546363944287 1.9231519061677913 S1 True

19

[ 0.61688358 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29651293410921453 0.9795333887826846 0.7924061243737781 S1 True

20

[ 0.59913708 -0.90762614 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3055670628533953 0.9956283407785406 0.7175186834676245 S1 True

21

[ 0.90559106 -0.48999493 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33728868124604433 0.9865349813096891 3.0227004498890566 S1 True

22

[ 0.95283029 -0.46479446 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34901341476594894 0.9932559609041536 3.6577705934803495 S1 True

23

[ 0.59796711 -0.7748929 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29619534819819593 0.9002248432617819 0.714412447132385 S1 True

24

[ 0.90180866 -0.39236499 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3673598488068585 0.9244044346147874 3.044573095572287 S1 True

25

[ 0.92101257 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36766576325634853 1.0 3.150554580791712 S1 True

26

[ 0.96081309 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3889160829268644 1.0 3.6850020475785823 S1 True

27

[ 0.94460188 -0.34203331 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36483485931786325 0.9436981829714775 3.6812983557382872 S1 True

28

[ 1. -0.44755712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3435297484601973 1.0 4.4035280824519445 S1 True

29

[ 0.69485159 -0.62811981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33079105712646395 0.6242508862893107 1.1947046848089393 S1 True

30

[ 1. -0.31450933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36896109586977416 0.6282282484336988 4.632232857960306 S1 True

31

[ 1. -0.88165477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3827748828164885 1.0 4.291128226640337 S1 True

32

[ 0.55654339 -0.7751772 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2765875172427918 0.9727264843363559 0.5556898360642984 S1 True

33

[ 0.83031558 -0.40548092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35723749282848266 0.7496977213817878 2.264386477903212 S1 True

34

[ 0.76113942 -0.48793555 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3536003371170699 0.8121006353662426 1.6488664126240966 S1 True

35

[ 0.93948045 -0.26272679 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36890284143009455 0.6601059607888674 3.85657824445205 S1 True

36

[ 0.74967821 -0.40581849 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32089122726977015 0.8959976532437909 1.5979978804113164 S1 True

37

[ 0.71677318 -0.40833275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5203786534888942 0.6962465516195021 1.373984497261171 S1 True

38

[ 0.5279553 -0.86461832 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25969747554188083 0.8301036622838119 0.4576420535702634 S1 True

39

[ 0.72359313 -0.31451112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6616403121004051 0.12147143341554797 1.4902286924835462 S1 True

40

[ 0.55570892 -0.6985199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2646127811869617 0.9455383827718791 0.554451974971969 S1 True

41

[ 0.51078134 -0.6855688 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20522938340084204 0.7582172184293168 0.4066535344456248 S1 True

42

[ 0.54175785 -0.60382113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4274411608040873 0.46524386447011173 0.5097478709324827 S1 True

43

[ 0.67243822 -0.47430079 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38588997375407175 0.7297689349231459 1.0910897002734017 S1 True

44

[ 0.61377804 -0.55913804 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2683077078469931 0.7709370010153991 0.7919364060265751 S1 True

45

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

46

[ 0.8768304 -0.30870615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3566934778095225 0.7661608398004756 2.874464154014459 S1 True

47

[ 0.60406131 -0.49448593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40230340913418117 0.19859625772668793 0.7580099121037123 S1 True

48

[ 0.84247146 -0.27631587 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37264075852398754 0.7741010847500184 2.57773688908322 S1 True

49

[ 0.86451517 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.380218863950347 1.0 2.507617922470856 S1 True

50

[ 0.85597687 -0.1925483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6577368543647302 0.5691870870243184 3.5336471233300286 S1 True

51

[ 0.80421925 -0.2390227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.428526928832168 0.40680255216193173 2.336685112892433 S1 True

52

[ 0.5599944 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2627907857201695 1.0 0.5661024294693161 S1 True

53

[ 0.46801347 -0.70661987 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1339536261790762 0.5816725681981516 0.28495514592624704 S1 True

54

[ 0.51595703 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2283669249106862 0.9888802729112628 0.41903765535229404 S1 True

55

[ 0.48659225 -0.8818194 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24475924987274306 0.968021446380396 0.3332072828842456 S1 True

56

[ 0.45140141 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16353984552881307 0.962481063197871 0.24011834418283634 S1 True

57

[ 0.47853975 -0.64797584 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4815150162239315 0.12130521403501768 0.31467811952513863 S1 True

58

[ 1. -0.26054291 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3618562115776622 0.8961828778080598 4.878090685217863 S1 True

59

[ 1. -0.76955541 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3803217073042902 1.0 4.297513302539853 S1 True

60

[ 0.41891505 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.09495590230626356 0.8158975389111475 0.16495702780500912 S1 True

61

[ 0.74936939 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3550823871326805 1.0 1.5285227548678644 S1 True

62

[ 0.89887186 -0.16613788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.564575008517541 0.6542956601755896 3.8701361930692793 S1 True

63

[ 0.41259039 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1714927204077688 0.7510110996132041 0.15025569758468446 S1 True

64

[ 0.39605464 -0.78747817 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.01404651992472004 0.5840322429612314 0.11647748023885572 S1 True

65

[ 0.38684224 -0.91459262 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.07895653045806662 0.9177418160993409 0.09718201532827411 S1 True

66

[ 0.36713053 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13215715376902668 0.9708733740474543 0.059228755634432584 S1 True

67

[ 0.33333333 -0.89903903 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.008005866924455452 0.9013507371035897 0.0004799154295270621 S1 True

68

[ 0.64738978 -0.43865938 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4098972980722513 0.20704954531516173 0.9699456074459472 S1 True

69

[ 0.42774227 -0.71224439 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4146429149067178 0.17596211277276716 0.18602103647481544 S1 True

70

[ 0.6275832 -0.67148924 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3202936769006958 0.9133241414555454 0.8459785406219856 S1 True

71

[ 1. -0.12203408 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35241348125569383 0.686203719141383 5.042150469688874 S1 True

72

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

73

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29228085649364294 0.976718847480287 0.0002385128895633941 S1 True

74

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 0.90514004 -0.39741328]S3 True

75

[ 0.9378429 -0.10386457 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5484862080199501 0.6394854468446839 3.7813289548184463 S1 True

76

[ 0.33333333 0.15984434 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 0.66221107 0.51725313 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 0.9081401 -0.07936949 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4464218444895497 0.4120098009620523 3.1441984342288443 S1 True

79

[ 1. 0.46067501 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 170 [ 0.81727527 -0.35277245]S3 True

80

[ 0.58817148 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.55831031 0.04217092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 0.73435772 -0.44515152]S3 True

82

[ 0.33333333 -0.30034206 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.73797937 -0.45239189]S3 True

83

[ 0.39631824 0.56668487 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

84

[ 0.7902735 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

85

[ 0.84240738 0.64871213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 0.74788883 -0.43480924]S3 True

86

[ 0.75811943 0.18307366 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 160 [ 0.72270944 -0.43302716]S3 True

87

[ 0.46805838 -0.25015723 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.72124884 -0.43812287]S3 True

88

[ 0.51396495 0.37381354 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

89

[ 0.94616964 0.19916924 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 600 [ 0.96582444 -0.99104736]S3 True

90

[ 1. 0.73000935 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 170 [ 0.73972501 -0.44527338]S3 True

91

[ 0.57577882 0.73809202 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

92

[ 0.33424216 -0.80274024 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.23431455443100638 -0.2082418625270834 0.002436557448168503 S1 False

93

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

94

[ 0.89372642 -0.68375925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35421084817661824 1.0 2.83760899699735 S1 True

WARNING:root:Hit Constraint

95

[ 0.96517903 -0.9135885 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3992502672908761 1.0 3.7499582550059083 S1 True

96

[ 0.97044326 -0.05474709 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5975570616631711 0.6414673369237449 3.7563704423769515 S1 True

97

[ 1. -0.01360333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6559119247298003 0.6551874689915635 3.779482039688565 S1 True

98

[ 0.70269338 0.79256624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

99

[ 0.33333333 -0.43842721 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 0.71911296 -0.45036218]S3 True

100

[ 0.93907061 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 340 [ 0.72282551 -0.47570312]S3 True

101

[ 0.33333333 -0.13488642 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 420 [ 0.73777751 -0.45424152]S3 True

102

[ 0.45991426 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

103

[ 0.33333333 0.76487657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

104

[ 0.80206686 0.4324382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 200 [ 0.72684279 -0.4420293 ]S3 True

105

[ 0.64643086 -0.11047216 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 0.72947981 -0.43311216]S3 True

106

[ 0.33333333 0.38844721 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

107

[ 0.69410445 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

108

[ 0.61229269 0.27452802 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 300 [ 0.74014777 -0.45920448]S3 True

109

[ 0.46059673 0.11080307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 400 [ 0.74408138 -0.44901546]S3 True

110

[ 0.85264518 -0.15029707 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6608194818352895 0.33716948606203084 3.0833695304739486 S1 True

111

[ 1. 0.04534378 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44299775228349 0.47391893064048196 3.243858547644225 S1 True

112

[ 1. -0.56669906 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.378639298036325 1.0 4.334950378334275 S1 True

113

[ 0.92216152 -0.04105571 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.8120715981722701 0.35725834072608464 2.991991199063641 S1 True

114

[ 0.56345122 -0.23432033 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 170 [ 0.66479592 -0.51623896]S3 True

115

[ 0.3494426 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16633942951706385 0.18490390230798143 0.02817956598663397 S1 True

116

[ 0.7069869 0.35004563 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 240 [ 0.631249 -0.58534069]S3 True

117

[ 1. 0.89292373 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.62419483 -0.58891446]S3 True

118

[ 0.9012311 0.45231085 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 0.8487284 -0.32077266]S3 True

119

[ 1. 0.07767119 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.8202546033368251 0.4076993922776594 2.9857660940178063 S1 True

120

[ 0.52174733 0.57322129 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

121

[ 0.43435026 0.76651075 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

122

[ 0.83175986 0.8462869 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

123

[ 0.75361256 -0.01854042 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 140 [ 0.62639185 -0.55202681]S3 True

124

[ 0.52454648 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

125

[ 0.48229845 -0.07705082 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 0.62128407 -0.57113387]S3 True

126

[ 0.85229476 0.20488762 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 130 [ 0.63392625 -0.54785774]S3 True

127

[ 0.42646663 0.32913069 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

128

[ 0.92012814 0.79243627 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 1. -0.56755888]S3 True

129

[ 0.43492605 -0.43357995 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 1090 [1. 0.05693736]S3 True

130

[ 0.75788575 0.61443374 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.62291067 -0.59606488]S3 True

131

[ 0.33333333 -0.61930074 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 50 [0.99734245 0.06060044] Hit Constraint -0.642474536780587S3 False

132

[ 0.33333333 -0.28780305 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.61770522 -0.59432566]S3 True

WARNING:root:Hit Constraint

133

[ 0.66100977 0.11112776 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 190 [ 0.6219888 -0.57348203]S3 True

134

[ 0.94757957 0.60511015 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 170 [ 0.66238063 -0.52318152]S3 True

135

[ 0.53056546 0.21648475 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 370 [ 1. -0.57159852]S3 True

136

[ 0.86645661 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

137

[ 0.38620555 0.03214737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

138

[ 1. 0.30745432 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1818983777068228 0.23749357520630324 1.6682055061462946 S3 True

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

139

[ 0.65003294 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

140

[ 0.40689356 -0.12670523 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 110 [1. 0.30870214]S3 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

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WARNING:root:Warning: 1 unsafe points removed. Model might be violated

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WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

141

[ 0.60631996 -0.09462031 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31096681]S3 True

142

[ 0.58230149 0.50386526 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

143

[ 0.33333333 0.6244001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

144

[ 0.76371806 0.87350148 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

145

[ 0.64757336 0.69865533 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

146

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31210107]S3 True

147

[ 0.73386877 0.46544912 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.3096506]S3 True

148

[ 0.38672783 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

149

[ 0.67316218 -0.01596095 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31298328]S3 True

150

[ 0.67609635 -0.17689117 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 60 [1. 0.30936812] Hit Constraint -0.44153186165321373S3 False

151

[ 0.39117564 -0.29747 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 110 [0.99952264 0.3113057 ]S3 True

152

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.40712646 0.2000624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

153

[ 0.33333333 -0.01659248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

154

[ 0.8693831 0.32767445 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31525443]S3 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

155

[ 0.81824506 0.05463642 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [ 1. -0.12537663]S3 True

156

[ 0.3937642 0.43697536 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

157

[ 0.64545033 0.39253818 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31085947]S3 True

158

[ 0.46289211 0.62052365 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

159

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

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WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.50706667 0.76218366 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

160

[ 0.78850867 0.74087332 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

161

[ 0.47267135 0.47027537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

162

[ 0.33333333 0.50470767 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

163

[ 0.80825429 0.29725405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31253278]S3 True

164

[ 0.70404907 0.65668784 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

165

[ 0.40304496 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

166

[ 0.46727317 0.24066536 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

167

[ 0.53147444 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

168

[ 0.33333333 0.27722439 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

169

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.33333333 0.87521902 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

170

[ 0.59025805 0.14735937 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31114088]S3 True

171

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.59044096 0.87430029 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

172

[ 0.52202173 -0.40087945 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 60 [1. 0.04450838] Hit Constraint -0.626667419493574S3 False

173

[ 0.90043277 0.67820333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 80 [1. 0.31094579]S3 True

174

[ 1. 0.57315886 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 80 [1. 0.31288829]S3 True

175

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

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WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.46043859 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

176

[ 0.84128699 0.5404621 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31026233]S3 True

177

[ 0.87806453 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31454401]S3 True

178

[ 0.9365355 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31189318]S3 True

179

[ 0.70839832 0.89190988 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

180

[ 0.60203157 0.63907661 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

181

[ 0.3924508 -0.54853648 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 50 [1. 0.03644418] Hit Constraint -0.3811539624543848S3 False

182

[ 0.64465404 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

183

[ 0.61572413 0.03593294 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31219068]S3 True

184

[ 0.43780783 -0.00137009 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.30886329]S3 True

185

[ 0.73892126 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

186

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

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WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.54587736 -0.08922714 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 110 [1. 0.3144734]S3 True

187

[ 0.50096043 0.01650878 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31201302]S3 True

188

[ 0.65784905 0.20358329 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31102778]S3 True

189

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.37007051 0.69359386 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

190

[ 0.55620766 0.30323002 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

191

[ 0.56537167 0.41296804 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

192

[ 0.36746386 -0.21756934 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 110 [ 1. -0.5606232]S3 True

193

[ 0.85851885 0.75775376 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31349035]S3 True

194

[ 0.50241086 -0.16015058 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [1. 0.31037683]S3 True

195

[ 0.33333333 0.07111178 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

196

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.71478624 0.10510958 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.31252764]S3 True

197

[ 0.80638397 0.19740678 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 80 [1. 0.31152761]S3 True

198

[ 0.9335071 0.33685419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 70 [1. 0.31266285]S3 True

199

[ 0.71350434 0.24413248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 90 [1. 0.3107876]S3 True

200

0.9751243781094527

0.1168011142865415

[1. 0.30745432]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69737863 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34234289393338707 1.0 1.1990074448292707 S1 True

0

[ 0.67265458 -0.94439818 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2951788346715048 0.9825231565390903 1.0622550154487134 S1 True

1

[ 0.73599281 -0.93287231 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3437864515493363 1.0 1.438576836609636 S1 True

2

[ 0.76613342 -0.988206 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3528208573430118 1.0 1.6481141484823063 S1 True

3

[ 0.82442926 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3687713762797711 1.0 2.121827023365237 S1 True

4

[ 0.86558578 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36393528784214907 1.0 2.5186717053115175 S1 True

5

[ 0.79152325 -0.84767806 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3583419256009547 1.0 1.844889799817427 S1 True

6

[ 0.87789868 -0.86988853 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.385423029791887 1.0 2.6510706148931074 S1 True

7

[ 0.77930518 -0.7601356 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33964163976690137 1.0 1.7516602097111196 S1 True

8

[ 0.89661558 -0.7804268 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3637814352340245 1.0 2.8634563843068768 S1 True

9

[ 1. -0.72782748 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39436599475587136 1.0 4.301501250042821 S1 True

10

[ 0.93701818 -0.670548 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3650388121607692 1.0 3.3737459946124284 S1 True

11

[ 0.85394712 -0.71392852 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3807564021829075 1.0 2.4097359475347266 S1 True

12

[ 0.86026264 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3358306812418768 1.0 2.4830859359157893 S1 True

13

[ 0.77934713 -0.64715046 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31810320570566925 0.9866380881466337 1.759079752214843 S1 True

14

[ 0.96010535 -0.84814391 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35105720655467637 1.0 3.678716480029174 S1 True

15

[ 0.61817264 -0.96082139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3020381816902217 1.0 0.7982655593095626 S1 True

16

[ 0.83840168 -0.53469662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3360694303201358 0.9788018605982898 2.2843887674142245 S1 True

17

[ 0.5814137 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2840823957433938 1.0 0.6461347677867857 S1 True

18

[ 0.70658336 -0.82152014 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3554007778755613 0.9976926245445266 1.2552384438834647 S1 True

19

[ 0.9255734 -0.5717141 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3452507523658189 1.0 3.243025426636697 S1 True

20

[ 0.92762415 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37483663719663174 1.0 3.234326391946568 S1 True

21

[ 0.72167937 -0.66644326 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31152292630796025 0.964838166646948 1.354049378275547 S1 True

22

[ 0.66146145 -0.77131774 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3242775379350205 0.979594966053466 1.006445534086944 S1 True

23

[ 0.73520041 -0.56682352 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3448908221832378 0.6745872871623797 1.4515329327541486 S1 True

24

[ 0.89776194 -0.46615047 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3387710140977333 0.9841097199321769 2.941013083339098 S1 True

25

[ 0.5703142 -0.92912574 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26739643136621327 0.9872264938276109 0.6042657593564046 S1 True

26

[ 0.96577356 -0.50525098 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35106982405640236 1.0 3.8230179163900906 S1 True

27

[ 0.65437189 -0.66324713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3211125465211053 0.7217339037479267 0.9745738086224158 S1 True

28

[ 1. -0.88414129 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38169373960987096 1.0 4.291035667949581 S1 True

29

[ 0.87530778 -0.38953811 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35999533781088583 0.6401133744348274 2.739280449312317 S1 True

30

[ 0.58475699 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.298205369214226 0.725643668697917 0.660705876606823 S1 True

31

[ 0.95778742 -0.40432751 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3400249366830837 0.9885331578856094 3.781554070516912 S1 True

32

[ 1. -0.40410803 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3472872427023801 0.9965661294257442 4.4501375379739905 S1 True

33

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

34

[ 0.81118212 -0.44762167 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33565773622753836 0.7180436441781086 2.065735202390436 S1 True

35

[ 0.5257395 -0.9429918 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2537137816808235 0.980165565757903 0.45002625740835067 S1 True

36

[ 0.50098865 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23142894355914764 0.9812995062239591 0.37393133707534315 S1 True

37

[ 0.4693984 -0.9709808 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18456716043385563 0.9628354134106488 0.28614149159753716 S1 True

38

[ 0.48232843 -0.87605923 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23637762267859508 0.9888136828965972 0.32141172569944354 S1 True

39

[ 0.46263933 -0.79858877 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1702449903915675 0.8932441022766648 0.2696019281882402 S1 True

40

[ 0.42723583 -0.78901763 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11402590659092231 0.7974849626226639 0.18385388880471676 S1 True

41

[ 0.46971131 -0.71551169 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.12912647417517853 0.6670210903655356 0.2892547571399575 S1 True

42

[ 0.93855621 -0.3195381 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3669072882843385 0.7105432688395641 3.643053790242591 S1 True

43

[ 1. -0.3081112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3784802637532772 0.9033257137328425 4.653058445333916 S1 True

44

[ 0.41852451 -0.96493434 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.15709845304868383 0.9888537378229865 0.1633155752757792 S1 True

45

[ 0.69158576 -0.55014657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3448863848059365 0.9303994626856007 1.1841122063169502 S1 True

46

[ 0.67804323 -0.4688254 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36837194501062037 0.7436147732422866 1.123044200835551 S1 True

47

[ 0.63973911 -0.54780884 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2989229827116504 0.8826152364706544 0.9121696715203598 S1 True

48

[ 0.63164205 -0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.7228762702884999 -0.09115178300536445 0.8947903078350938 S1 False

49

[ 0.7442247 -0.401896 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3265063126615072 0.8601868801972178 1.5613839099795026 S1 True

50

[ 0.58342078 -0.67139021 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2877523616007551 0.9624985580429304 0.6589374935414535 S1 True

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

51

[ 0.5398436 -0.60962602 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40167281426172796 0.49436568976605005 0.5029394791211699 S1 True

52

[ 0.38768637 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14713828471052243 0.9889040497850758 0.09862404040457476 S1 True

53

[ 0.35011193 -0.98596892 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018677408986414058 0.9441722751955527 0.02868962173575017 S1 True

54

[ 0.98862438 -0.23485537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3627907742507525 0.6522652123542959 4.8851797900171645 S1 True

55

[ 0.77754163 -0.34112469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.437331482134211 0.7914833840033879 1.85954263033395 S1 True

56

[ 0.36611896 -0.87737744 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.01627313431253885 0.8465161986793736 0.057718810554246956 S1 True

57

[ 0.76099565 -0.27301594 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4391180190594867 0.22010011629099546 1.8363155599129715 S1 True

58

[ 0.39366525 -0.753045 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31138196317143646 0.07371191750042017 0.11195432607606495 S1 True

59

[ 0.84514682 -0.31544769 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3361300272013748 0.8058454707935117 2.5144099005579448 S1 True

60

[ 0.58647673 -0.53853925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5243168367746662 0.3934016950402146 0.6798149959182117 S1 True

61

[ 1. -0.5396213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38487848527376123 1.0 4.34553542840241 S1 True

62

[ 0.85398781 -0.23640008 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5504810906919839 0.7158602594637204 2.881012087313997 S1 True

63

[ 0.88706064 -0.18380636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.556004215539336 0.6604436807548874 3.888853084609596 S1 True

64

[ 0.84493373 -0.16758865 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4429129935109747 0.3590767624644205 3.144701442271818 S1 True

65

[ 0.9006833 -0.12765593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6684549427753285 0.5386921984681342 3.494659693495261 S1 True

66

[ 1. -0.17192367 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38806346708138106 0.6657365778250784 5.778489766150626 S1 True

67

[ 0.33333333 -0.88101483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.05313048432858521 0.8420565584407829 0.0005438022481733978 S1 True

68

[ 0.96968699 -0.13518811 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35141291539406544 0.7166825528363163 4.658644449648875 S1 True

69

[ 0.90516254 -0.07803713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.701641817233512 0.3797490319494126 3.095663630878838 S1 True

70

[ 0.54065925 -0.7535372 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27427452092827165 0.9734635939155264 0.5009818045051778 S1 True

71

[ 1. -0.07683622 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3612595790181999 0.7007453298457129 4.465702095257221 S1 True

72

[ 0.6901005 -0.39579748 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6224936798596084 0.3561560593404861 1.2167840230641918 S1 True

73

[ 0.94572102 -0.94787278 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3889576289021284 1.0 3.4745106477540677 S1 True

74

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

75

[ 0.35849771 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.10918350763669299 0.4259980058825604 0.044203129706047437 S1 True

76

[ 1. -0.00475573 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6651884523894721 0.6305332996465682 3.693209775066591 S1 True

77

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 1. 0.0577805 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4680890676298189 0.5188506914767608 3.1418169674713297 S1 True

79

[ 0.83469858 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.15881713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.63010255 0.4208307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 1. -0.69286961]S3 True

82

[ 1. 0.58801749 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0724228257462647 1.0 0.7828825570672442 S3 True

83

[ 1. 0.640176 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0688845926424033 1.0 0.6685758027184041 S1 True

84

[ 0.97572077 0.55986019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0714057860154456 1.0 0.7431114689523104 S1 True

85

[ 0.93310381 0.56726902 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0610151090338924 1.0 0.5619567719390014 S1 True

86

[ 0.94819417 0.65592575 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.048598263228714 1.0 0.45405540181809556 S1 True

87

[ 0.89985977 0.63979135 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.018013551074992 1.0 0.33441582912901474 S1 True

88

[ 1. 0.49809931 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0717942250024106 1.0 1.0107882692537924 S1 True

89

[ 1. 0.3935882 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.181612179417677 1.0 1.3364320928414306 S1 True

90

[ 0.88656038 0.53181739 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.048660663050449 1.0 0.4676245167738461 S1 True

91

[ 0.96077662 0.38834269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3306264072866818 1.0 1.122843689465813 S1 True

92

[ 0.84605622 0.60052918 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9755908152306718 1.0 0.24688781114724295 S1 True

93

[ 1. 0.74360291 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.052672480829084 1.0 0.4738272765160663 S1 True

94

[ 0.82803345 0.50842695 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0114115855648933 1.0 0.329156859586138 S1 True

95

[ 0.92041254 0.74430685 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.979426987610814 1.0 0.24459015547289586 S1 True

96

[ 0.87008369 0.75457151 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.87251811359539 1.0 0.11855696681344984 S1 True

97

[ 0.83752221 0.42434634 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0508831459562367 1.0 0.4988378945835687 S1 True

98

[ 0.81118212 0.68587536 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8060197638579571 0.9807543962256472 0.07279674111826091 S1 True

99

[ 0.79071723 0.44409346 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0054898874019953 1.0 0.32274628674068306 S1 True

100

[ 0.76704705 0.66051576 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7020002035534514 0.9364740934014997 0.01728551234821719 S1 True

101

[ 0.78316153 0.35551202 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0390496975248342 1.0 0.44649216237549316 S1 True

102

[ 0.80794844 0.28269787 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065499001427741 1.0 0.6842791697070505 S1 True

103

[ 0.86709418 0.29027569 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0720242732137777 1.0 0.9259068521000302 S1 True

104

[ 0.74450597 0.57511666 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.770912782733381 0.9657551890529874 0.0572596523825852 S1 True

105

[ 0.80477653 0.76749574 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.641740634718165 0.9104259158759757 -0.012379534447140779 S1 True

106

[ 0.71921059 0.47841667 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8387923208520687 0.994409409491844 0.10877984864428332 S1 True

107

[ 0.69436 0.54099352 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6524326518918875 0.9153847911455126 0.0015629545485246357 S1 True

108

[ 0.70922519 0.3666482 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9419987515677657 1.0 0.22324312142222627 S1 True

109

[ 0.71577432 0.26973714 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.018001388655956 1.0 0.39009895751623125 S1 True

110

[ 0.95095 0.29791045 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1574194036940582 1.0 1.368646427501186 S1 True

111

[ 0.76774492 0.19612763 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066029838422805 1.0 0.7286527690897822 S1 True

112

[ 0.9317185 0.82022751 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9351176459993182 1.0 0.17839886349870224 S1 True

113

[ 1. 0.26328407 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.199090923382671 -0.1465811492647613 1.8661237879703263 S1 False

114

[ 0.74084964 0.74164297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4046597694591552 0.7921124149883398 -0.08666973726116771 S1 True

WARNING:root:Hit Constraint

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

115

[ 0.66729433 0.47046483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.683793081716494 0.9289312615672406 0.020117531995226774 S1 True

116

[ 0.83525093 0.85063629 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5958053508070318 0.8902059887768987 -0.031721564394324955 S1 True

117

[ 0.6274121 0.49587285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4526745557181184 0.820634134284306 -0.06387426170228816 S1 True

118

[ 0.89075566 0.1956155 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1548917539818722 1.0 1.368436704942202 S1 True

119

[ 0.74057908 0.15589711 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0640459858347397 1.0 0.7172851014483131 S1 True

120

[ 0.68130456 0.24853945 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9901636853102138 1.0 0.3265108225755836 S1 True

121

[ 1. 0.84458015 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0159324179203852 1.0 0.3174530846101031 S1 True

122

[ 0.67069423 0.14549923 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.032578205968953 1.0 0.48226293599179404 S1 True

123

[ 0.89799529 0.53725531 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.053006208843786 1.0 0.4958010422215671 S1 True

124

[ 0.8899825 0.90804683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6993680449627198 0.9352479720705659 0.008953568732297478 S1 True

125

[ 0.97361636 0.91512556 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9243835952202004 1.0 0.16339842782970856 S1 True

126

[ 0.81751656 0.17657593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070526924522344 1.0 1.0142089907161467 S1 True

127

[ 0.64832144 0.58848729 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3159827032497278 0.7428746513464326 -0.10280359595670815 S1 True

128

[ 1. 0.98186058 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9100044680512012 1.0 0.1468198300552859 S1 True

129

[ 0.92762177 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6680242844830886 0.9216834720038227 -0.006182849671139664 S1 True

130

[ 0.87608736 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4367253745925808 0.8095375875770562 -0.08281862132291096 S1 True

131

[ 0.68210352 0.08297014 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.056318830617282 1.0 0.6651381179891486 S1 True

132

[ 0.78091283 0.84470169 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3422566367404587 0.7563448165172405 -0.1038834924483045 S1 True

133

[ 0.67604334 0.15029862 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0348739630149857 1.0 0.4902263081287878 S1 True

134

[ 0.63680943 0.37341267 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7475510615225582 0.9559060076923009 0.061372322222547654 S1 True

135

[ 0.820347 0.1159929 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2177146437207795 1.0 1.2358897741934798 S1 True

136

[ 0.83826437 0.99956747 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.223720679624935 0.6880115639098688 -0.13073008960602867 S1 True

137

[ 0.62236424 0.2386937 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8945807426622432 1.0 0.1919030374349575 S1 True

138

[ 0.59004975 0.39770395 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5095938999959013 0.8532793321003117 -0.039728781593410985 S1 True

139

[ 0.67941677 0.67522309 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.243506555001676 0.7008659974175635 -0.12115898341530287 S1 True

140

[ 0.73512538 0.81433399 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1561782407336523 0.6496816474104868 -0.14074112485327453 S1 True

141

[ 0.87684255 0.41068918 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0669227974524467 1.0 0.6701763051822819 S1 True

142

[ 0.60517024 0.14594909 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9516474633640415 1.0 0.2874154942812667 S1 True

143

[ 0.98153133 0.91594196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9388804751918698 1.0 0.18017901087571564 S1 True

144

[ 0.58639852 0.49796819 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2154337588610855 0.6866395157246015 -0.11973199336843934 S1 True

145

[ 0.56899196 0.29325477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6449784844230997 0.9130791184183585 0.0215989516757076 S1 True

146

[ 0.73318329 0.34415227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9959589624568113 1.0 0.3176111454217344 S1 True

147

[ 1. 0.77215859 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0451360049878207 1.0 0.42654548661177927 S1 True

148

[ 0.69397177 0.73381973 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1500537587042348 0.6466322106656824 -0.14021924556244933 S1 True

149

[ 0.7331999 0.07073813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069218745241657 1.0 0.9226622769374258 S1 True

150

[ 0.6030667 0.07936441 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9970324479709174 1.0 0.3994004254965007 S1 True

151

[ 0.8283408 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1590219355060922 0.6506101409115113 -0.1426231885222204 S1 True

152

[ 0.73423242 0.85373005 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0137352402867725 0.566476408481354 -0.16434909284707375 S1 True

153

[ 0.60558228 0.06468796 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0085299718013103 1.0 0.43617692970443805 S1 True

154

[ 0.55366051 0.16588856 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8104858135461943 0.9816777960911394 0.13654320321294874 S1 True

155

[ 0.97512437 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.826266194041837 0.9896761767453556 0.07761698633166586 S1 True

156

[ 0.54115161 0.05742403 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9131268763520926 1.0 0.26604539231105245 S1 True

157

[ 0.53723045 0.34232961 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.381279064555811 0.7826853761252349 -0.07130622060499615 S1 True

158

[ 0.89340164 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5218374098288718 0.8569203379210381 -0.058576811530615475 S1 True

159

[ 0.92548689 0.13951482 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.189738691181399 -0.2501348222055404 1.864257445609322 S1 False

160

[ 0.51015714 0.18534179 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6240266544499369 0.9050170847344767 0.029985034218246703 S1 True

WARNING:root:Hit Constraint

161

[ 0.87337429 0.62205673 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9982890388054555 1.0 0.28781232723565403 S1 True

162

[ 0.97358532 0.41019454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3229121053916435 1.0 1.1264969333540802 S1 True

163

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

164

[ 0.33333333 -0.2898196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.821199282266197 0.902740993531605 0.04367884561718133 S3 True

165

[ 0.33333333 -0.23846261 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7444596888886068 0.9581006567743322 0.07751047673868867 S1 True

166

[ 0.35598158 -0.26873834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8544057597002916 0.9972353381550385 0.09730480829920102 S1 True

167

[ 0.39336964 -0.22573703 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8937509793720377 1.0 0.22445829427869768 S1 True

168

[ 0.42774227 -0.14302617 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8801229066369007 1.0 0.329402811939687 S1 True

169

[ 0.40963991 -0.08111446 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7415821425334597 0.9549820931130317 0.173690560935032 S1 True

170

[ 0.48200863 0.07816003 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.719747996572749 0.945213915833239 0.10172801858907612 S1 True

171

[ 0.42774227 0.05576047 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5454997720210577 0.8736891299291252 0.027355552706014138 S1 True

172

[ 0.52719441 0.17418878 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7110263030164394 0.9411886123194882 0.07334229869478064 S1 True

173

[ 0.4503839 0.14997699 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4282222184931728 0.8128346239417445 -0.032610586211810295 S1 True

174

[ 0.37916806 -0.01689506 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.486040029686188 0.8494321354041625 0.026199737852320278 S1 True

175

[ 0.49409743 -0.05459244 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9293001520429558 1.0 0.34025051723948796 S1 True

176

[ 0.5445899 -0.06823952 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.012865277673248 1.0 0.5279832858154857 S1 True

177

[ 0.45374597 -0.22216331 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.993994563911293 1.0 0.3954671397477938 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

178

[ 0.39655525 -0.3273338 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9851763629643857 1.0 0.15466429400904266 S1 True

179

[ 0.33333333 -0.37246199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9163462794281 1.0 0.02115044057019419 S1 True

180

[ 0.51561354 -0.20222548 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.041334863081068 1.0 0.7273542378302571 S1 True

181

[ 0.33333333 -0.02493966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2579563263831812 0.7282421329037199 -0.039240525459185924 S1 True

182

[ 0.61854054 -0.01519136 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0490872558075623 1.0 0.6676891203924259 S1 True

183

[ 0.52592527 0.31876634 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3836227158893846 0.7844057354875561 -0.06836075226809919 S1 True

184

[ 0.42434355 -0.30493924 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.005906915372393 1.0 0.2276814117251464 S1 True

185

[ 0.38670145 -0.40948862 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0161881278310436 1.0 0.11534317519678608 S1 True

186

[ 0.43703127 -0.41851688 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0703198637944582 1.0 0.2261263322900802 S1 True

187

[ 0.40347046 0.11221405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2712057459084065 0.7281610665149303 -0.06715777393819962 S1 True

188

[ 0.55965413 -0.16760792 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0544740923611697 1.0 0.8756250374857615 S1 True

189

[ 0.33984132 -0.4569646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.989746952997013 1.0 0.02205106379396479 S1 True

190

[ 0.51945459 -0.2823673 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3551523684672133 1.0 0.5188962450922953 S1 True

191

[ 0.7876285 0.30246785 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Warning: 1 unsafe points removed. Model might be violated

2.055700282938336 1.0 0.5638325178262972 S1 True

192

[ 0.66155698 0.10920383 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.038964903688045 1.0 0.5277771913988077 S1 True

193

[ 0.33333333 -0.4515445 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9783289846637668 1.0 0.011432716270995852 S1 True

194

[ 0.69456093 0.01058171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067710319043202 1.0 0.9253418382637906 S1 True

195

[ 0.60755456 -0.13087229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.062910776334635 1.0 0.9781322303514715 S1 True

196

[ 0.51929151 -0.34863347 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1035623990536023 1.0 0.47789609852189247 S1 True

197

[ 0.42774227 0.18542712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.19664393453976 0.6836420460407641 -0.0954741640770242 S1 True

198

[ 0.42136761 -0.50166944 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.0126357049749897 -2.3582641380843343 0.17989825787921876 S1 False

199

[ 0.56808249 0.07175962 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Hit Constraint

WARNING:root:Warning: 3 unsafe points removed. Model might be violated

1.950873113356381 1.0 0.31287756618342993 S1 True

200

0.9800995024875622

0.1369226378512

[1. 0.58801749]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69784911 -0.99904834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3463357123209248 1.0 1.2017373659291697 S1 True

0

[ 0.75329012 -0.96499992 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3416077493949105 1.0 1.5561335698845609 S1 True

1

[ 0.77006411 -0.89360754 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35142368321780326 1.0 1.6782332306167107 S1 True

2

[ 0.65977309 -0.94064758 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.323718505381153 1.0 0.9953366729802964 S1 True

3

[ 0.80790211 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.353603674950499 1.0 1.9776783932513609 S1 True

4

[ 0.85728089 -0.83856322 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3719303191820713 1.0 2.4369901348302174 S1 True

5

[ 0.82474477 -0.78584908 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.336509615536072 1.0 2.129107811957429 S1 True

6

[ 0.97102825 -0.65197722 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37852712232505714 1.0 3.8565968680638076 S1 True

7

[ 0.96114878 -0.7275949 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3874259173226432 1.0 3.7015709463197104 S1 True

8

[ 0.91324395 -0.66404238 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36561301911137195 1.0 3.0710643222885263 S1 True

9

[ 0.85299848 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3896922120892392 1.0 2.391259814098686 S1 True

10

[ 0.83599509 -0.66796684 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3349358249756767 1.0 2.2399868398301264 S1 True

11

[ 0.90559106 -0.91241126 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35151613046224034 1.0 2.963869853524469 S1 True

12

[ 0.72071293 -0.83008519 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3514612955272504 0.7437829449368139 1.341650123155603 S1 True

13

[ 0.90559106 -0.58254655 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3370061796818127 1.0 2.9924420537192047 S1 True

14

[ 1. -0.79688615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35204510992661264 1.0 4.295468729639462 S1 True

15

[ 0.9213715 -0.49890881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33575040614246976 0.9919379825524572 3.2145452639412544 S1 True

16

[ 1. -0.55860529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3741029612757835 1.0 4.337893026180417 S1 True

17

[ 0.99785013 -0.897257 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37365704948447426 1.0 4.2553091716264 S1 True

18

[ 0.98327607 -0.44916572 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34382703476962895 1.0 4.128309247245657 S1 True

19

[ 0.84231254 -0.55111229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3399749970036507 0.9830156645252521 2.3179151198901797 S1 True

20

[ 0.95562462 -0.99830857 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37749372835083256 1.0 3.6111204376101167 S1 True

21

[ 0.88959097 -0.42287712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.370824397428039 0.9828943058906808 2.8730239209539654 S1 True

22

[ 0.84760028 -0.38539655 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37962327229628545 0.7292260318433729 2.449482178927418 S1 True

23

[ 0.77142073 -0.72789653 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33768646083828113 1.0 1.6932539248600706 S1 True

24

[ 0.95664908 -0.35073622 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36896935884704285 0.9879905155261248 3.841326418880875 S1 True

25

[ 0.76068428 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32497263603845833 0.97157009485968 1.6218699405679757 S1 True

26

[ 0.71603389 -0.68184328 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3240043709561784 0.9786349207551224 1.317773998399856 S1 True

27

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

28

[ 0.71068643 -0.57427453 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3823330834243184 0.7829368861943613 1.2940941188680442 S1 True

29

[ 0.90559106 -0.30498772 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3695546577669779 0.6842520919784986 3.233609513022079 S1 True

30

[ 1. -0.33240063 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3511390169929232 0.9719726072400134 4.581478531749553 S1 True

31

[ 0.61521244 -0.9621291 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29798212998892776 1.0 0.7852942357672275 S1 True

32

[ 0.62127312 -0.87317374 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3042962782252788 0.9978174281641206 0.8126932590135668 S1 True

33

[ 0.58627006 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28957812772918023 0.6815908308592161 0.6666627876503675 S1 True

34

[ 0.97375233 -0.24894075 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4120597688249802 0.6522394346077272 4.492433906341223 S1 True

35

[ 0.57918512 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2760628649321897 1.0 0.6375291190744383 S1 True

36

[ 0.64933663 -0.72371818 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31256884039043614 0.9785993132830066 0.9470060747354073 S1 True

37

[ 0.61723397 -0.66524608 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31718076070984613 0.9817824831872124 0.7998325937537678 S1 True

38

[ 0.65810555 -0.54035464 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3042307304909754 0.936705001246779 1.004050375867063 S1 True

39

[ 0.61431121 -0.49795118 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.560747081418345 0.35461827792828327 0.8019346169599205 S1 True

40

[ 0.54978487 -0.82077372 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27796405384956047 0.6068674006883562 0.5312301348060752 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

41

[ 0.68391656 -0.48798473 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3025851166199855 0.8812800716348108 1.1513561584356882 S1 True

42

[ 0.68144484 -0.38418191 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4183558542888123 0.15909982950950227 1.1725619485129937 S1 True

43

[ 0.52180226 -0.89510003 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22476071858639715 0.9557500147564082 0.43778316886721585 S1 True

44

[ 0.76375457 -0.47269601 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35408798375176825 0.8288870486770017 1.672750632479851 S1 True

45

[ 0.58316813 -0.61839264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26493002527461146 0.8607270743451495 0.6604662676373281 S1 True

46

[ 0.49240226 -0.86033159 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.237574276009736 0.9889613382464925 0.3497641783513459 S1 True

47

[ 0.54384866 -0.57743064 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5397367532779509 0.25353906727060976 0.5185103452946199 S1 True

48

[ 0.49065528 -0.99586181 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20700672323534347 0.9913433763748081 0.3441372893266371 S1 True

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

49

[ 0.77509959 -0.38135477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3242669126472855 0.8838528181814773 1.8042753083375425 S1 True

50

[ 0.46077513 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17698279430899727 0.9115888030503827 0.26468986651499987 S1 True

51

[ 0.77468176 -0.30101161 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6356247680150698 0.5313200029480448 1.8907847412957526 S1 True

52

[ 0.41177018 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.09973313741266682 0.8165385741972093 0.14932873319441742 S1 True

53

[ 0.4475627 -0.94880474 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2047574231531223 0.8377748103336843 0.23083440378537934 S1 True

54

[ 0.37913935 -0.78507307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.05084961028808914 0.43285565105144846 0.08286449233088374 S1 True

55

[ 1. -0.2204618 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3688366258467091 0.6529185406676014 5.304150800352372 S1 True

56

[ 0.53131608 -0.67376104 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21497781335892457 0.8115713285439793 0.4719061879113345 S1 True

57

[ 0.93885445 -0.22028308 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3477189355731463 0.7169441671244083 4.206301435352305 S1 True

58

[ 0.42968071 -0.73051568 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.02710867804044194 0.2707579365569558 0.19017498433191618 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

59

[ 0.91466927 -0.12408713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6429606648533838 0.587193335739868 3.6544701437449483 S1 True

60

[ 0.99768513 -0.14782693 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35346388727208344 0.6762412663421313 5.361750529460136 S1 True

61

[ 1. -0.0637777 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3876115622045896 0.7031297185448336 4.313271760066113 S1 True

62

[ 0.40275726 -0.92996052 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.10732426569643459 0.9557616683762971 0.12952646648559926 S1 True

63

[ 0.41277412 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18706388834356458 0.7461404806133293 0.1506533548707817 S1 True

64

[ 1. 0.02178311 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.685538427255433 0.5474987701732601 3.4472190221038566 S1 True

65

[ 0.80224787 -0.26308106 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6461539377393719 0.5393997667953134 2.2198896363141762 S1 True

66

[ 0.95863149 -0.05591059 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6669485813664311 0.5840969784153686 3.5984304674045227 S1 True

67

[ 0.84883897 -0.16672564 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4374350367936311 0.38257612262114143 3.185834102879521 S1 True

68

[ 0.49051857 -0.66188366 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3448761151727256 0.43367005744266923 0.34764141394434556 S1 True

69

[ 0.9123885 -0.7992032 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36488653865589643 1.0 3.0494496170741794 S1 True

70

[ 0.80022049 -0.20999199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7554108428029539 0.2260668731914073 2.5455426275091986 S1 True

71

[ 0.9096647 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4082662370207645 1.0 3.0111571128976764 S1 True

72

[ 0.74342383 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3546668333132024 1.0 1.4877753482169283 S1 True

73

[ 0.95185706 -0.88995081 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38321194523571267 1.0 3.5605628063457666 S1 True

74

[ 0.90864825 -0.06867747 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7760464154509427 0.36924895297626453 3.0585067319121473 S1 True

75

[ 0.53752254 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.249116571526718 0.9955422693473893 0.48826458185695154 S1 True

76

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 0.71874683 -0.35156765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4215985210637068 0.20796395188483352 1.421514078460774 S1 True

78

[ 0.36262177 -0.97249654 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18622945567793472 0.9466529000592644 0.051010759268506047 S1 True

79

[ 0.84826257 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.15216528 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.57071921 0.54399891 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 1. 0.5586166 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 990 [ 0.9081401 -0.07735124]S3 True

83

[ 0.61133526 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

84

[ 0.6214018 0.09539739 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0084391694655923 0.9528817551420158 0.4244119546954117 S3 True

85

[ 0.62564878 0.14992346 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9806550491564805 1.0 0.33648759185526533 S1 True

86

[ 0.59515699 0.12158748 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9551000841480697 1.0 0.3009471918596577 S1 True

87

[ 0.60216696 0.22299887 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8650804601779614 1.0 0.16720313408665718 S1 True

88

[ 0.59403759 0.03299692 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.012891106782041 1.0 0.4650055970242474 S1 True

89

[ 0.55498936 0.0132482 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9758118408940601 1.0 0.38400556836615235 S1 True

90

[ 0.60742644 0.22241052 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8786596751082385 1.0 0.17978898219245293 S1 True

91

[ 0.57003751 0.26438355 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7038291432548105 0.9378822392649317 0.05315451348845203 S1 True

92

[ 0.61827029 0.31314967 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.784638615974435 0.971311721525528 0.09111175829387363 S1 True

93

[ 0.53209025 0.09670146 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8458816007376895 0.9957651435610747 0.18348365812009418 S1 True

94

[ 0.66774539 0.22589394 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9869961705572805 1.0 0.32597993870897807 S1 True

95

[ 0.51539683 0.23471323 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.540024018887599 0.8684336300298764 -0.010699395363909826 S1 True

96

[ 0.66635837 0.34732037 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8709973378736062 1.0 0.15011460874453733 S1 True

97

[ 0.5346578 0.32344146 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4177231835349635 0.803266837260139 -0.05972893943782628 S1 True

98

[ 0.70798597 0.36165549 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9442556778150832 1.0 0.2270408668391108 S1 True

99

[ 0.49127404 0.08755988 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7357933426909349 0.9516164242010199 0.10831689533943506 S1 True

100

[ 0.63051317 0.40226143 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6732482448461221 0.9246120117128012 0.02136526840870885 S1 True

101

[ 0.74265506 0.3018829 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0281536103384528 1.0 0.4152393892558195 S1 True

102

[ 0.7013021 0.15425068 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.049467709869146 1.0 0.5695224359210487 S1 True

103

[ 0.45226251 0.135085 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4751600451357505 0.8387417433957621 -0.01532594424360481 S1 True

104

[ 0.71080136 0.45389784 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8489949583990797 0.9987018534702377 0.118896314131628 S1 True

105

[ 0.45812524 0.02933834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7207518307996612 0.9459364239517503 0.11728905295847218 S1 True

106

[ 0.66105764 0.51134731 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5751389003319998 0.8818402747032994 -0.026249107519999558 S1 True

107

[ 0.45643245 -0.04339631 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8283375997229947 0.988153953041855 0.2218924734121353 S1 True

108

[ 0.75537752 0.40772368 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.983336827745455 1.0 0.28167377795737364 S1 True

109

[ 0.76250228 0.21005389 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0627559652634 1.0 0.6734094018602279 S1 True

110

[ 0.75395322 0.50905602 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8877789319815457 1.0 0.14661670142870495 S1 True

111

[ 0.80026484 0.26237909 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066064346279983 1.0 0.7009684103667306 S1 True

112

[ 0.50202109 -0.09592904 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9764839573038573 1.0 0.4506590725739321 S1 True

113

[ 0.56213706 -0.09776579 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0395253030054614 1.0 0.6696583762782753 S1 True

114

[ 0.81674149 0.39349022 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0480325275454403 1.0 0.4865327999061598 S1 True

115

[ 0.45360801 0.2210592 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2474166688436132 0.7108523402462015 -0.08949664447013918 S1 True

116

[ 0.78418649 0.37298981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.033329812169755 1.0 0.4188658013691678 S1 True

117

[ 0.75774288 0.50931061 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8961497194030814 1.0 0.15452287242538093 S1 True

118

[ 0.46209079 -0.13970691 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9469174625405046 1.0 0.42337235433847115 S1 True

119

[ 0.75957905 0.59803005 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7824322902196408 0.9706476418005444 0.0626437400801881 S1 True

120

[ 0.81854924 0.44982816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.030196716198296 1.0 0.39385990542243915 S1 True

121

[ 0.66979416 0.6033907 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3939300993186585 0.7868195602733857 -0.08488149783264816 S1 True

122

[ 0.81585289 0.57767489 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9447385112447362 1.0 0.2031271324639605 S1 True

123

[ 0.41484638 -0.02056611 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6512081225086792 0.9188055493218328 0.09696136295607717 S1 True

124

[ 0.85855793 0.58284879 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0040168455867096 1.0 0.30364863364954653 S1 True

125

[ 0.90812404 0.60269271 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.040472497318637 1.0 0.4162285262117214 S1 True

126

[ 0.41499707 -0.15995832 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8694260392949682 1.0 0.328277193501521 S1 True

127

[ 0.89814563 0.53283275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0540781301349047 1.0 0.5043084648432812 S1 True

128

[ 0.94917099 0.6054955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.060017222529054 1.0 0.5469006252638344 S1 True

129

[ 0.85237127 0.36976844 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0659060036499985 1.0 0.6636333534500289 S1 True

130

[ 0.59376456 0.45351388 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3872766979132192 0.7844604232828508 -0.07868759145879708 S1 True

131

[ 0.76287992 0.6686767 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6710817161306983 0.9232091727095139 0.003102609697504157 S1 True

132

[ 0.84186511 0.26323212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0716504151930364 1.0 0.8805235619968819 S1 True

133

[ 0.97289971 0.54126249 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0720415988001766 1.0 0.7734848981809179 S1 True

134

[ 0.37314023 -0.06950483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.578219382436209 0.8903675959328483 0.08093324155790427 S1 True

135

[ 0.88458571 0.68661627 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9688811123198189 1.0 0.23026879474502357 S1 True

136

[ 0.74245454 0.52809438 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8346138376050158 0.9927600301903197 0.1015431110566836 S1 True

137

[ 0.90559106 0.46337196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0675249617744993 1.0 0.6693177724655683 S1 True

138

[ 0.72698474 0.7085984 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4185760351692347 0.8001100688162051 -0.08219611167205595 S1 True

139

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-0.00515984 0.0484641 ]2.0719751458275066 1.0 0.9792943618836821 S1 True

140

[ 0.49865298 -0.19082078 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0253548945530793 1.0 0.6858133681691766 S1 True

141

[ 0.81565633 0.17155251 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0703853864426867 1.0 1.0203566253622025 S1 True

142

[ 0.81998735 0.73138055 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7627084842815677 0.9623242494621964 0.04527420607571792 S1 True

143

[ 0.76606508 0.09094683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0695734688999257 1.0 1.0226447359012458 S1 True

144

[ 0.63474618 0.011625 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0507186658372207 1.0 0.6610291008293979 S1 True

145

[ 0.50614021 -0.01547025 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9150086975301095 1.0 0.30016603344583004 S1 True

146

[ 0.84829355 0.78970438 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7600035470280089 0.9611826198288357 0.04190848252155319 S1 True

147

[ 0.9760107 0.42222486 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.337585954243018 1.0 1.1032611811626256 S1 True

148

[ 0.94429063 0.28588083 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1572405901992284 1.0 1.3704538772827195 S1 True

149

[ 1. 0.58868074 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072394629964961 1.0 0.7813526754220812 S1 True

150

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-0.00515984 0.0484641 ]1.3819586437093945 0.7926737493941101 -0.017003123679975897 S1 True

151

[ 0.64753598 0.0332755 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.051836832391981 1.0 0.6553089083735428 S1 True

152

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-0.00515984 0.0484641 ]1.26364965669568 0.7132791329762919 -0.11342572719127181 S1 True

153

[ 0.40822857 -0.22948705 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9282252153645114 1.0 0.25456223846583487 S1 True

154

[ 1. 0.660262 -0.32651218 -0.07023267 0.78758926 0.00255935

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155

[ 0.69577551 0.32979073 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9506856693682508 1.0 0.2413166587632056 S1 True

156

[ 0.93854746 0.4123864 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072611193358868 1.0 0.9378796897247264 S1 True

157

[ 0.93159755 0.74152599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9965542709982194 1.0 0.276720190010328 S1 True

158

[ 0.84815538 0.80351357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7363595372462508 0.9510984475124995 0.029084952158616232 S1 True

159

[ 0.36937836 -0.23649106 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8485569337141785 0.9952127482356423 0.153295073175878 S1 True

160

[ 0.33333333 -0.28872969 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8197538315029824 0.9852256254208415 0.04414689354317299 S1 True

161

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-0.00515984 0.0484641 ]1.2852566575711077 0.7435564186392197 -0.02968457279627367 S1 True

162

[ 0.9872063 0.40015947 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2387088406510798 1.0 1.2363197197440643 S1 True

163

[ 0.80605499 0.83573045 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4968250703131807 0.8438065793221412 -0.06359669917712603 S1 True

164

[ 0.35537516 -0.32608976 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9160045588191663 1.0 0.07139258531617425 S1 True

165

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-0.00515984 0.0484641 ]S3 True

166

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-0.00515984 0.0484641 ]S3 True

167

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8900230497542108 0.8957509523317229 0.12730253648292775 S3 True

168

[ 0.91722363 0.81135535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9150794305954033 1.0 0.15632880978304595 S1 True

169

[ 0.90559106 0.90403651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.760575094174607 0.961443533509009 0.03946028711428034 S1 True

170

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-0.00515984 0.0484641 ]1.958995228170774 1.0 0.20623551148120786 S1 True

171

[ 0.98144938 0.74494722 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0420527956376016 1.0 0.41272490235103565 S1 True

172

[ 0.8998447 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.551529001220591 0.8703321062836683 -0.04917924969371292 S1 True

173

[ 0.85548627 0.97269443 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4003322386768031 0.7889660577167711 -0.09185112548760985 S1 True

174

[ 1. 0.50404935 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0721111777551204 1.0 0.9943571149579294 S1 True

175

[ 0.80258716 0.84421777 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.458843980415348 0.8223604956474494 -0.07459835659154278 S1 True

176

[ 1. 0.64117541 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0687909373858124 1.0 0.6664994509231986 S1 True

177

[ 0.83230831 1. -0.32651218 -0.07023267 0.78758926 0.00255935

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178

[ 0.95706861 1. -0.32651218 -0.07023267 0.78758926 0.00255935

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179

[ 1. 0.80582041 -0.32651218 -0.07023267 0.78758926 0.00255935

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180

[ 0.90395849 0.33722241 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071964651630437 1.0 0.9751400964169079 S1 True

181

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-0.00515984 0.0484641 ]1.1594959686284705 1.0 1.3888819624429078 S1 True

182

[ 0.70939862 0.01373113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068466606698078 1.0 0.988453679767821 S1 True

183

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-0.00515984 0.0484641 ]1.1579601133892765 1.0 1.421034794322006 S1 True

184

[ 0.92003563 0.39382312 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072658582968187 1.0 0.8983723554701222 S1 True

185

[ 0.96634281 0.65072485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.058046789830412 1.0 0.5236148865951019 S1 True

186

[ 0.82400475 0.50373867 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0095595742227057 1.0 0.32500410709077476 S1 True

187

[ 1. 0.5209646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0727861025429526 1.0 0.9487509137049548 S1 True

188

[ 0.82703955 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1504748248711172 0.6456539028156517 -0.14411899731221536 S1 True

189

[ 0.71444067 0.18494917 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0484393050336718 1.0 0.54965593929586 S1 True

190

[ 0.62947978 0.60768086 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.140124746526339 0.6419940653133301 -0.13840305040726764 S1 True

191

[ 0.71918765 0.76658549 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.207093116783911 0.679350007858629 -0.13051890740792182 S1 True

192

[ 0.87883963 0.2318957 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3026530395344784 1.0 1.1665710934566615 S1 True

193

[ 0.71677318 0.479391 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.830766217235736 0.9909936257029847 0.1028156965957668 S1 True

194

[ 1. 0.54607594 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0732622788741866 1.0 0.8839416742553144 S1 True

195

[ 0.95180013 0.70666822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.034478231820955 1.0 0.38326015549241804 S1 True

196

[ 0.95247991 0.29145987 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1582491276221758 1.0 1.40239598421391 S1 True

197

[ 0.8367379 0.53254816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0077551604047374 1.0 0.317341967659836 S1 True

198

[ 0.95077968 0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0726717091949647 1.0 0.9405793320378858 S1 True

199

[ 0.89369224 0.19517575 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1552289117205259 1.0 1.388944280806744 S1 True

200

1.0

0.0

[0.95077968 0.43354636]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69653467 -0.98229163 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32857306652519036 1.0 1.1942404787358045 S1 True

0

[ 0.68231166 -0.93478746 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31931165567279884 0.9831062977317503 1.114514785638627 S1 True

1

[ 0.7450592 -0.92102728 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3307098929772513 1.0 1.499619471904614 S1 True

2

[ 0.8310106 -0.84387266 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35201839396201573 1.0 2.1841542121835573 S1 True

3

[ 0.86204198 -0.79741611 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36409551929173894 1.0 2.486792244845241 S1 True

4

[ 0.76712218 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34894867125331375 1.0 1.65529044040116 S1 True

5

[ 0.9644526 -0.66705356 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37154594206757124 1.0 3.7569085007207073 S1 True

6

[ 0.90898978 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37763861418864236 1.0 3.0077446088538355 S1 True

7

[ 0.61960264 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2912480074072303 0.9805925987389795 0.8043760385574691 S1 True

8

[ 0.77340588 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4072007179731658 1.0 1.7050030300962904 S1 True

9

[ 0.61401976 -0.91455104 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28354794382623366 0.9965296810486798 0.7804274406005063 S1 True

10

[ 1. -0.74170897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3899564965251123 1.0 4.300042434612384 S1 True

11

[ 0.8064857 -0.71606264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3540035123818912 0.9989380086130352 1.973265787993643 S1 True

12

[ 0.85793993 -0.98798493 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37882111149131636 1.0 2.4407456507261083 S1 True

13

[ 0.74201161 -0.73726216 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3237366427547941 1.0 1.483303798254789 S1 True

14

[ 0.90559106 -0.97824394 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4001865232586677 1.0 2.962713873851751 S1 True

15

[ 0.75156455 -0.63682807 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3250937902349466 0.9795969828787147 1.5554489477861548 S1 True

16

[ 0.81597662 -0.61872834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3312734320362847 0.9871017083933687 2.063815482132194 S1 True

17

[ 0.66205794 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30188680071767987 0.9907627518632122 1.0086243528495649 S1 True

18

[ 0.63685915 -0.73667614 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3115048401285894 0.9735185120615331 0.8865740416716863 S1 True

19

[ 0.78991615 -0.53177863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3614564301367477 0.8444623260093101 1.8593693177002621 S1 True

20

[ 0.95541989 -0.93341586 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3779443922788279 1.0 3.6094045547346076 S1 True

21

[ 0.8936827 -0.60493723 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34110290063201326 1.0 2.848184761209374 S1 True

22

[ 0.94064555 -0.56078737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33832562942931504 1.0 3.444917354957199 S1 True

23

[ 0.68781375 -0.63069651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33236202421564526 0.6647691277136446 1.1543831880947686 S1 True

24

[ 1. -0.5387659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37409882156841373 1.0 4.345906130935363 S1 True

25

[ 0.90559106 -0.48890675 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3378512706971342 0.9859568168623435 3.0231992909596124 S1 True

26

[ 0.58763545 -0.74870748 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3059701034302225 0.8180682035064666 0.6732237238288202 S1 True

27

[ 0.96840514 -0.44185851 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3493780228176432 0.9947121207567284 3.903705336098664 S1 True

28

[ 1. -0.94475847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3784073702990125 0.8873502267469866 4.289210442116246 S1 True

29

[ 0.86349172 -0.42256862 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3615296864775955 0.7405835214850333 2.5845321151490346 S1 True

30

[ 1. -0.3827504 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3441913938593182 0.991913175148383 4.480392946750163 S1 True

31

[ 0.97493617 -0.33142928 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37295237626654787 0.9880577520538681 4.1643626916288285 S1 True

32

[ 0.91895819 -0.32115899 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3752343157036859 0.6484068902687634 3.3698622507761034 S1 True

33

[ 0.57452641 -0.91858289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2653785234777451 0.9933932534360884 0.6201675497252901 S1 True

34

[ 0.55082695 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2424101171093536 0.7226521931075345 0.5336170622548263 S1 True

35

[ 0.53608225 -0.82974552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2605211669036965 0.7740479496144496 0.4845618442154269 S1 True

36

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

37

[ 0.98499823 -0.25881467 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3717691968825816 0.715682034424041 4.618794226276091 S1 True

38

[ 0.55868104 -0.70977288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2749113661733447 0.9623360245847716 0.5647664981940844 S1 True

39

[ 0.75190482 -0.49328688 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35999400909893464 0.82818335815961 1.5807270132275246 S1 True

40

[ 0.73402903 -0.40763715 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3266777608026326 0.8270149774224285 1.4879513868780074 S1 True

41

[ 0.55282341 -0.60971108 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2785855607571223 0.6151959761296806 0.5478286857504555 S1 True

42

[ 0.72994959 -0.31327712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4324893513836648 0.1759956525966182 1.535410378454233 S1 True

43

[ 0.68848171 -0.44219348 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5008703732502954 0.6684779350357329 1.1893336191247412 S1 True

44

[ 0.52200119 -0.59550404 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3706785779140976 -0.05570523224004715 0.44515598419658753 S1 False

45

[ 0.62728245 -0.52178541 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40147102080700336 0.6619001441646305 0.8569274529802807 S1 True

WARNING:root:Hit Constraint

46

[ 0.67390749 -0.38333459 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6004448945863793 0.043334779737261644 1.1306179237217473 S1 True

47

[ 0.81749014 -0.36836602 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3448873115875423 0.8212570863700515 2.175450083027269 S1 True

48

[ 0.95490486 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3947999426134064 1.0 3.6009480453369958 S1 True

49

[ 0.50410691 -0.91740112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2078778483545564 0.954550420817307 0.38346867786609906 S1 True

50

[ 0.46605108 -0.88905335 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21610613547464144 0.991627835912907 0.2777310551018997 S1 True

51

[ 0.42932388 -0.8466382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1309482602939306 0.8981152931044539 0.1881575325277685 S1 True

52

[ 0.81118212 -0.28352631 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5542465409707379 0.7269261918238759 2.246518317730559 S1 True

53

[ 0.41072054 -0.9026909 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.126105130007608 0.9439950617379518 0.1465226933859076 S1 True

54

[ 0.3907765 -0.81253477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.029082356851174516 0.7527746112553082 0.10556785409736287 S1 True

55

[ 0.41739855 -0.97572409 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16057043827458523 0.9785962043048191 0.16080416120782848 S1 True

56

[ 0.3843409 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11155612034397996 0.9880005376346189 0.09202038539412374 S1 True

57

[ 0.33997072 -0.98053546 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.005300298763652852 0.9234273791411519 0.011321864314232872 S1 True

58

[ 0.34637961 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11968792829460077 0.28524117437602764 0.022871858526568326 S1 True

59

[ 0.49814836 -0.72788314 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21040784919727057 0.8410211027775494 0.3679993410990397 S1 True

60

[ 0.87702302 -0.26037207 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3411691030100337 0.783034531086774 3.0259042208654328 S1 True

61

[ 1. -0.83110334 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3557180813739287 1.0 4.293403696904585 S1 True

62

[ 0.45016818 -0.69661812 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4569321176790688 0.09307264072534477 0.2396570740805219 S1 True

63

[ 0.47465135 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2712066563487472 0.9776526456478319 0.30001231736503087 S1 True

64

[ 0.89709548 -0.19678019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40245655152738347 0.7403209474549097 4.196307112274508 S1 True

65

[ 0.93665352 -0.16466897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35902205000784276 0.7405589140770609 4.457545108901134 S1 True

66

[ 1. -0.18903781 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39456254355501397 0.6604763832079139 6.058645222188207 S1 True

67

[ 0.8154334 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36877360091218986 1.0 2.0423461541825754 S1 True

68

[ 0.85176999 -0.17233972 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4326165932737352 0.43444810066933043 3.2763074784671824 S1 True

69

[ 0.58418523 -0.51775463 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3956148883517351 0.14183480642820204 0.6730336899586169 S1 True

70

[ 0.97063251 -0.08472341 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4157348663053446 0.701518043385168 4.074856402482826 S1 True

71

[ 0.90559106 -0.10241491 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.754376962914806 0.46702260902301784 3.319045023199045 S1 True

72

[ 0.98346367 -0.01964731 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6602443714502663 0.5961072235285043 3.6001090500481894 S1 True

73

[ 0.96049865 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3981100374617879 1.0 3.6861093250489 S1 True

74

[ 0.33333333 -0.8964598 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.01324652853210349 0.8978309942678416 0.00048857360021464 S1 True

75

[ 1. 0.03741201 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7538810247746783 0.49951573857082804 3.3108175085358407 S1 True

76

[ 1. 0.06767026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.792966425948107 0.4221500167979737 3.0631555910821437 S1 True

77

[ 0.89448504 -0.69254556 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37529779096256904 1.0 2.845410726176721 S1 True

78

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

79

[ 0.83223948 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.15471109 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.58909377 0.57714096 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 1. 0.59568792 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 640 [1. 0.03742339]S3 True

83

[ 0.59370165 0.10167607 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 1. -0.38718332]S3 True

84

[ 0.33333333 -0.30608656 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 330 [ 1. -0.38779337]S3 True

85

[ 0.8027739 0.32884819 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 180 [ 1. -0.38457779]S3 True

86

[ 0.55395852 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

87

[ 1. 0.93714061 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 0.82647637 -0.37654446]S3 True

88

[ 0.33333333 0.5769473 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

89

[ 0.47040778 -0.15958684 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 1. -0.39542782]S3 True

90

[ 0.79678856 0.70514169 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 340 [ 0.75618514 -0.48633 ]S3 True

91

[ 0.47006139 0.25682662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

92

[ 0.66021665 0.81972535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

93

[ 1. 0.33132017 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 640 [ 0.90559106 -0.25326767]S3 True

94

[ 0.66518027 0.32555697 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 280 [ 1. -0.38183526]S3 True

95

[ 0.48553646 0.75418485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

96

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29228085649364294 0.976718847480287 0.0002385128895633941 S1 True

97

[ 0.80083838 -0.2203123 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5118997182714139 0.27180523633411285 2.4305969775949072 S1 True

98

[ 0.72446244 0.03280002 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 630 [1. 0.03780793]S3 True

99

[ 0.33333333 -0.40566388 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9454388887022336 1.0 0.016243666815451127 S3 True

100

[ 0.33333333 -0.337608 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8803076696476635 1.0 0.02827670875466483 S1 True

101

[ 0.35574325 -0.33489461 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9250430099130627 1.0 0.06959592363920394 S1 True

102

[ 0.36482242 -0.26333591 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.869848176850422 1.0 0.1187355931944934 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

103

[ 0.33333333 -0.22200859 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7168075957704358 0.9477606907572215 0.09914873629647539 S1 True

104

[ 0.33333333 -0.12690685 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5262380520410816 0.8709810893576118 0.08234564442991095 S1 True

105

[ 0.39155786 -0.20850275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8700359807354887 1.0 0.26650487196852995 S1 True

106

[ 0.38905964 -0.10051133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7029046130052463 0.9403668993962614 0.15829430363324568 S1 True

107

[ 0.42774227 -0.11653624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8479031666348453 0.9953619348965508 0.27807598115398946 S1 True

108

[ 0.46808392 -0.06721645 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8875222006600751 1.0 0.2929143265888996 S1 True

109

[ 0.50515761 -0.00363193 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9005394265932687 1.0 0.27661622938924957 S1 True

110

[ 0.51569231 0.07236276 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.834158601956984 0.9909114118192552 0.18139156801660827 S1 True

111

[ 0.46856784 0.05101339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7197550423253118 0.9453884622914757 0.10979043224416514 S1 True

112

[ 0.47290578 0.13372978 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.574570986538961 0.8846906961262552 0.020170552111479657 S1 True

113

[ 0.54967139 0.01399423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.967268187032437 1.0 0.3669117966501682 S1 True

114

[ 0.45046114 0.20354003 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2808955220799705 0.7301083819433687 -0.07961023136796574 S1 True

115

[ 0.35893119 -0.02841505 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4122869766693829 0.8109876856247769 0.005045438786475522 S1 True

116

[ 0.55779453 0.02680452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9700751141352217 1.0 0.3659862357149787 S1 True

117

[ 0.57295627 0.11176205 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9232393447609593 1.0 0.25902000420962473 S1 True

118

[ 0.61656016 0.11016095 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9949235677226902 1.0 0.3814861660625945 S1 True

119

[ 0.519909 0.19332936 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6474442373976008 0.9147810634545388 0.03868482031392737 S1 True

120

[ 0.51790281 -0.09738985 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9986702923414512 1.0 0.5064120375017434 S1 True

121

[ 0.60489867 0.20614643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.891607043332868 1.0 0.1962379932695434 S1 True

122

[ 0.66097985 0.1733692 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.010581238553045 1.0 0.3976230701857456 S1 True

123

[ 0.68628367 0.22237109 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.011752172012064 1.0 0.3852221255182119 S1 True

124

[ 0.60637247 0.29070249 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.782371489940399 0.9703545177042491 0.09308949839676421 S1 True

125

[ 0.68767626 0.30969052 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.953935424780723 1.0 0.24974129156058286 S1 True

126

[ 0.49327208 -0.14964133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9995444655477168 1.0 0.5509277373864421 S1 True

127

[ 0.67010781 0.3914235 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8228430217935074 0.9874347232229708 0.10628546428019735 S1 True

128

[ 0.59944827 0.40142047 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5447401492786428 0.8689887557988172 -0.02853377434954176 S1 True

129

[ 0.44350642 -0.25645433 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0014655573548166 1.0 0.311288918915461 S1 True

130

[ 0.71913671 0.35091443 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9716337974619245 1.0 0.2700982252756588 S1 True

131

[ 0.64930241 0.46602803 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6214462776602248 0.9022332806588389 -0.005872722188481561 S1 True

132

[ 0.52215121 0.2997598 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.413983096124231 0.8016021577958483 -0.058203176841513195 S1 True

133

[ 0.73522943 0.24235853 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0441598970765065 1.0 0.5030621177531087 S1 True

134

[ 0.41152711 0.08051735 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4052304893286685 0.8025956747454956 -0.02548864288002 S1 True

135

[ 0.72910414 0.15233194 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0610980948433233 1.0 0.6796075261946507 S1 True

136

[ 0.65704886 0.04636571 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.053267541096494 1.0 0.6591503253682344 S1 True

137

[ 0.68865053 0.50357203 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7017682343610065 0.9365217183190029 0.02596909610364271 S1 True

138

[ 0.59473016 -0.05763156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0473064834843457 1.0 0.6879734555232392 S1 True

139

[ 0.59768905 -0.0370915 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0435287483886118 1.0 0.6441185807573307 S1 True

140

[ 0.74807068 0.44528284 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9414646008448921 1.0 0.21177059313229654 S1 True

141

[ 0.59418898 0.49376876 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2758099818137059 0.7210889260480001 -0.10712383783183647 S1 True

142

[ 0.70876552 0.04381184 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067895473634787 1.0 0.8889917452522875 S1 True

143

[ 0.6710661 0.57221722 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4803700252021945 0.8355980950332749 -0.060041488686263786 S1 True

144

[ 0.78092037 0.3354602 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0439766510085082 1.0 0.47596891527345114 S1 True

145

[ 0.81179499 0.40330277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0422916877812693 1.0 0.45255575712468127 S1 True

146

[ 0.81642079 0.28386165 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067367916385402 1.0 0.7159608225831194 S1 True

147

[ 0.8250484 0.28174836 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0692426826212604 1.0 0.7572235245948863 S1 True

148

[ 0.73762925 0.539621 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8043769767139215 0.9798955924693828 0.07998391893641778 S1 True

149

[ 0.80494711 0.51297756 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9792878382161092 1.0 0.26115563413209175 S1 True

150

[ 0.85623824 0.42200174 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0593723224984513 1.0 0.5686077724282713 S1 True

151

[ 0.73431745 0.63661438 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6209606424968892 0.9015723702739901 -0.015929883825979374 S1 True

152

[ 0.77203291 0.13173626 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070355291946722 1.0 0.9245015355053571 S1 True

153

[ 0.34596426 0.02652061 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1777767994307953 0.6811229672473699 -0.07074033521102907 S1 True

154

[ 0.87015373 0.52373932 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0413515410570184 1.0 0.42910070798031663 S1 True

155

[ 0.90464658 0.42835896 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070540740551353 1.0 0.7438795355148287 S1 True

156

[ 0.84843614 0.17802083 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2880922827309438 1.0 1.1771691006700242 S1 True

157

[ 0.7911676 0.63173297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8262695366337247 0.9893581773114257 0.08892086451056833 S1 True

158

[ 0.89997384 0.309984 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0708008112129934 1.0 1.0342021273907576 S1 True

159

[ 0.92683307 0.48470154 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0696030454153522 1.0 0.7080663401219474 S1 True

160

[ 0.68466543 0.65628293 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3302439343065382 0.7504429417584523 -0.10205960118274289 S1 True

161

[ 0.94310082 0.57258793 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0633298098658894 1.0 0.5879644857439533 S1 True

162

[ 0.91209937 0.64734165 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.026010180452267 1.0 0.3579049422447839 S1 True

163

[ 0.83478753 0.7124629 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.835475232138111 0.9934366370270826 0.09158469810223319 S1 True

164

[ 0.64617633 -0.0409737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.06340347870048 1.0 0.8605283169134909 S1 True

165

[ 0.7540155 0.72752952 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.506508257542072 0.8495673503463598 -0.05810299925888461 S1 True

166

[ 0.8478565 0.61352719 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9684668372553682 1.0 0.2343240376527802 S1 True

167

[ 0.83316315 0.43573921 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0454929303545155 1.0 0.4636733908664994 S1 True

168

[ 0.91938135 0.24708247 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.156030906300549 1.0 1.3559271816154692 S1 True

169

[ 0.89343835 0.751025 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.927926820802669 1.0 0.17262274431503313 S1 True

170

[ 0.96684205 0.48407087 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0730462436384545 1.0 0.8851694098918934 S1 True

171

[ 1. 0.54424292 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0732562516963804 1.0 0.8885594041778979 S1 True

172

[ 0.66398493 -0.02395656 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065465675773418 1.0 0.889687691798771 S1 True

173

[ 0.36282423 -0.40917033 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9910601495516471 1.0 0.0685606431806465 S1 True

174

[ 1. 0.63794343 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0690892435398975 1.0 0.6732290176843799 S1 True

175

[ 0.81255847 0.79612765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6150152569400091 0.8987184323149443 -0.023457881869899517 S1 True

176

[ 0.71507532 0.47979934 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8254494261521605 0.9887384462367397 0.09898911763825644 S1 True

177

[ 0.9765058 0.40776755 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.313398435155644 1.0 1.1502843919405037 S1 True

178

[ 0.87938487 0.82973264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7950694303066734 0.9761690966059327 0.06101338459456126 S1 True

179

[ 0.67287244 -0.02771959 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0668386378124195 1.0 0.9447079319158833 S1 True

180

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

181

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8900230497542103 0.8957509523317229 0.12730253648292775 S3 True

182

[ 0.97623564 0.74777942 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0374744109758023 1.0 0.39244579564418186 S1 True

183

[ 0.9686219 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.807522097225718 0.9815868814729012 0.06531780424213536 S1 True

184

[ 0.85451479 0.90953774 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5509867564727269 0.8701752988719582 -0.048108203956151015 S1 True

185

[ 1. 0.87965701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9958348524469536 1.0 0.26968171573667504 S1 True

186

[ 0.89060569 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5086207206273878 0.8501827042561472 -0.06259023266345698 S1 True

187

[ 0.76682693 0.82987509 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.304081873705522 0.7346454212010284 -0.1121141686829016 S1 True

188

[ 0.93617956 0.56381456 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.062557235163149 1.0 0.5797391031971199 S1 True

189

[ 0.8445291 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2607635637901198 0.7093259264829628 -0.12344138742396282 S1 True

190

[ 1. 0.68209357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064045317604573 1.0 0.5849013652746019 S1 True

191

[ 0.93728821 0.90478673 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.85269032065097 1.0 0.09835791917484318 S1 True

192

[ 0.7173971 0.78897657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1225472316413878 0.6303266538957818 -0.1461013697276956 S1 True

193

[ 1. 0.36573564 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1618595963970642 1.0 1.43664572281576 S1 True

194

[ 0.79526788 0.48841888 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.98295047020633 1.0 0.27038298677274225 S1 True

195

[ 0.71677318 0.17732037 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0515390080118068 1.0 0.5745854634161838 S1 True

196

[ 0.9789268 0.52738454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0728164548031907 1.0 0.8330161255926599 S1 True

197

[ 0.86659378 0.74398494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.876890300274987 1.0 0.12266951070152896 S1 True

198

[ 1. 0.45576341 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3172335719880828 1.0 1.13388916809933 S1 True

199

[ 0.95919194 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.778731756668965 0.9692411154738716 0.04796502618229182 S1 True

200

0.9950248756218906

0.08445641857920377

[0.78092037 0.3354602 ]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69773723 -0.99216861 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33914007966704285 1.0 1.2011303428696227 S1 True

0

[ 0.79331354 -0.90757423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36918215096078355 1.0 1.8581455395604582 S1 True

1

[ 0.7011748 -0.93066042 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32687434360612927 0.9895958219846245 1.2216400029747254 S1 True

2

[ 0.75879577 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37301866470823086 1.0 1.594865459394755 S1 True

3

[ 0.82309497 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36999821924963505 1.0 2.109881688924729 S1 True

4

[ 0.64112558 -0.91804624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34843172035149494 0.9250834246966932 0.9037252890797272 S1 True

5

[ 0.61639764 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29969483072035474 0.9793453147336749 0.7902787623527543 S1 True

6

[ 0.87191743 -0.84339645 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3820884303100735 1.0 2.5878907517500185 S1 True

7

[ 0.93494982 -0.74749662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3912680465360327 1.0 3.3384942512810234 S1 True

8

[ 0.99737074 -0.7311166 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.393397226393667 1.0 4.257955328282465 S1 True

9

[ 0.81275324 -0.81761065 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3516954543504587 1.0 2.0223138045549924 S1 True

10

[ 0.86617308 -0.72925891 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35908183466091176 1.0 2.533095451611925 S1 True

11

[ 0.78520876 -0.74796797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3278369016913307 1.0 1.7980843710258039 S1 True

12

[ 0.74490536 -0.7025523 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33344850220066563 0.9835130743009894 1.5046689667324187 S1 True

13

[ 0.78588777 -0.6496476 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33125152231962746 0.986261875413747 1.809918834355075 S1 True

14

[ 0.69197064 -0.74105111 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3047648556388976 0.9820146462476713 1.1721520239573795 S1 True

15

[ 0.96563699 -0.61589116 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3730509893586832 1.0 3.7835957321629143 S1 True

16

[ 0.8468094 -0.60344192 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33327246718298464 1.0 2.351528950415949 S1 True

17

[ 0.90559106 -0.91854421 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34439417075178635 1.0 2.963738489151015 S1 True

18

[ 0.7146698 -0.62292777 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.380589032756845 0.7117597427614129 1.313526339527744 S1 True

19

[ 0.98086335 -0.85401357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3628432819225821 1.0 3.9872882344707072 S1 True

20

[ 0.6553507 -0.6814173 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31629547114520395 0.6197900636256759 0.9785816667064827 S1 True

21

[ 0.57520404 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27266248710159324 0.9036329804287635 0.6223200945275338 S1 True

22

[ 0.90898978 -0.53636893 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3447667325212788 0.9988679952312991 3.0460198041705375 S1 True

23

[ 0.94152693 -0.47714561 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3439948467864578 0.9927704018683632 3.4920651821896507 S1 True

24

[ 0.85539495 -0.49474738 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3683120185356353 0.9625313726409673 2.463975457129478 S1 True

25

[ 0.9301543 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39659911521740526 1.0 3.266893947353499 S1 True

26

[ 0.90397622 -0.40392529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3657926537967176 0.981409610133732 3.0597779385399226 S1 True

27

[ 0.8925773 -0.32366155 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3644889198365689 0.6940240364665482 3.029970120499727 S1 True

28

[ 0.94086825 -0.35343326 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3722188921480086 0.9723492130543309 3.6076982634168644 S1 True

29

[ 0.99439152 -0.44168558 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.348283964082513 1.0 4.3151570278579605 S1 True

30

[ 0.8274182 -0.42367752 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3759267796540027 0.7142438926717396 2.225319613932546 S1 True

31

[ 0.58709793 -0.90301581 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2750719905245355 0.9910126134970764 0.6689352632676627 S1 True

32

[ 0.54816662 -0.85295503 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2709087284867311 0.6048460796715333 0.5252676055044008 S1 True

33

[ 0.98111925 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37654217728482087 0.9256223854919386 3.987325135828087 S1 True

34

[ 0.96259148 -0.27402749 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3717581439259376 0.6499989503967721 4.158585122463357 S1 True

35

[ 0.58640939 -0.79377546 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2886368931289946 0.9650916279343089 0.6674852983463113 S1 True

36

[ 0.77602013 -0.48020499 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3534991995348517 0.7783020429324088 1.7633051261043218 S1 True

37

[ 0.53393349 -0.99625089 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24463292465765338 0.9874798712257812 0.476395368794518 S1 True

38

[ 1. -0.30006384 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3523984897396375 0.9882225588379164 4.681641913637956 S1 True

39

[ 0.76339204 -0.41874547 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32732009621219094 0.8733004989771103 1.6917697169293893 S1 True

40

[ 0.72029435 -0.34466807 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42303419029650063 0.28286381433189733 1.4374034229652723 S1 True

41

[ 0.81118212 -0.32144689 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3503462450744022 0.8178977286333157 2.174016976677818 S1 True

42

[ 0.86322983 -0.24472847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38984711096652114 0.757643514577161 2.9384220806139916 S1 True

43

[ 0.83430596 -0.17229622 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6960826802657336 0.3021981241352315 3.0562615842660623 S1 True

44

[ 0.587343 -0.71153555 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Warning: 1 unsafe points removed. Model might be violated

0.30705924593911826 0.9850447201881413 0.6730363949626427 S1 True

45

[ 0.4832792 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1965953262597991 0.9907803818507553 0.32349090684018783 S1 True

46

[ 0.55433308 -0.63441132 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23261150932800637 0.7701168791075559 0.5519349070530138 S1 True

47

[ 0.71249762 -0.50328633 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3291993689150436 0.9381141383372396 1.3167850330231348 S1 True

48

[ 0.5811354 -0.58399667 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27069147835222473 0.6780157393094501 0.6547348064822662 S1 True

49

[ 0.63343186 -0.51593755 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4067915287725888 0.6750963675347357 0.8863787182475941 S1 True

50

[ 1. -0.22743509 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37592816233708976 0.6523525375356726 5.193671640326296 S1 True

51

[ 0.61014722 -0.4702201 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.40088597089400013 -0.07479377525149346 0.7884745865955145 S1 False

52

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

53

[ 0.49673194 -0.90126921 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.232595949087222 0.5844467408419799 0.36193565251732485 S1 True

54

[ 0.51318641 -0.68452203 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20935489772902094 0.7669301919790147 0.4140468253718454 S1 True

55

[ 0.46455579 -0.67796267 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.465940475481949 0.10249728795470053 0.27656049455156523 S1 True

56

[ 0.46525578 -0.87973038 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.219641997781732 0.9837980937252495 0.27571714005641157 S1 True

57

[ 0.4272049 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2203123582350625 0.78285860317131 0.18268831867592192 S1 True

58

[ 0.40459229 -0.91503885 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11333691610765995 0.9471716743594911 0.13343164236476923 S1 True

59

[ 0.87207005 -0.17996134 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6511820993534494 0.6045970240536852 3.6279653700752346 S1 True

60

[ 0.90559106 -0.1289295 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6627455752650003 0.5612776812337683 3.5753344808231495 S1 True

61

[ 0.37940351 -0.85546512 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.022909129576997467 0.8447649618551958 0.08289436831120427 S1 True

62

[ 0.35604843 -0.901545 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.0302957270318181 0.8394363068166674 0.03937435907365923 S1 True

63

[ 1. -0.53961101 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36990985078233424 1.0 4.345539872896325 S1 True

64

[ 0.4096815 -0.77925785 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.02736050564457748 0.6486794831993331 0.1451184009165012 S1 True

65

[ 0.78325323 -0.26419256 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4282655915828207 0.3644957054480411 2.045377297015545 S1 True

66

[ 0.9167037 -0.07637524 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43841339405032903 0.43351057212872085 3.226068044064988 S1 True

67

[ 0.87349159 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37233099921846 1.0 2.601575284842392 S1 True

68

[ 0.34609431 -0.95965373 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.00696648591766832 0.9051410578770416 0.021786977677656187 S1 True

69

[ 0.67084978 -0.42898162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5964904963269415 0.40905033840940325 1.0950951748686681 S1 True

70

[ 1. -0.90563662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37675435131892965 1.0 4.290298907650682 S1 True

71

[ 0.98797274 -0.17559958 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3704001639611467 0.6701589447641814 5.580502571144416 S1 True

72

[ 0.51723539 -0.6250065 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4212171120077248 0.3735723619161555 0.42868549439066517 S1 True

73

[ 0.73876859 -0.84292971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3564366695251702 1.0 1.458355690712546 S1 True

74

[ 0.33333333 -0.86619046 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.08823400032843622 0.4940751550905776 0.0006027009681371878 S1 True

75

[ 0.98445026 -0.13362982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35000970223552835 0.6964823639850266 4.906320378813534 S1 True

76

[ 0.35351043 -0.79807322 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16417924931032754 0.2856957285832012 0.03540626361367595 S1 True

77

[ 0.90876645 -0.66274477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36890670867720476 1.0 3.016794119129924 S1 True

78

[ 0.3787001 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.12025700714844433 0.9828066538427629 0.08105728200462164 S1 True

79

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 0.78395303 -0.42840979]S3 True

81

[ 0.33333333 0.15341544 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 0.67686632 0.52561763 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

83

[ 1. 0.44967391 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 280 [ 0.9802317 -0.12640222]S3 True

84

[ 0.59695954 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

85

[ 0.33333333 -0.30286518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.78554388 -0.43551738]S3 True

86

[ 0.55651545 0.04762994 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 0.78008159 -0.45170345]S3 True

87

[ 0.33333333 0.57666699 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

88

[ 0.79498139 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

89

[ 0.74848766 0.1947554 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 410 [ 1. -0.14089902]S3 True

90

WARNING:root:Hit Constraint

[ 0.50352769 0.61057129 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

91

[ 0.88682095 0.66554423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.79218433 -0.40662757]S3 True

92

[ 1. 0.1591124 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 40 [ 0.70036744 -0.44442847] Hit Constraint -0.03460445786154665S3 False

93

[ 0.47243443 0.32211849 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

94

[ 0.44662507 -0.10501085 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 290 [ 0.97391804 -0.3854405 ]S3 True

95

[ 0.46771306 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

96

[ 0.81063432 0.45986786 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 210 [ 0.7810362 -0.39551947]S3 True

97

[ 1. 0.7566264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 180 [ 0.77235003 -0.40118872]S3 True

98

[ 1. -0.07799797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36112125055983235 0.700485406737364 4.479554050779342 S1 True

99

[ 0.5025979 -0.78112887 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2332738759407577 0.9519481097283814 0.38019474473154924 S1 True

100

[ 0.65191965 -0.81467311 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3115512231553386 0.9823651315975481 0.9574676027621026 S1 True

101

[ 1. -0.00995612 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6322935125822187 0.6455555896645704 3.7436506128636156 S1 True

102

[ 1. 0.04963823 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4443346418938513 0.46333344634694684 3.2082219467029667 S1 True

103

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

104

[ 0.33333333 -0.55253857 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.97725891 -0.34079247]S3 True

105

[ 0.89995519 -0.06503045 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.8355918447737563 0.3164845836114153 2.9241335995224564 S1 True

106

[ 0.57056308 -0.21768049 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3402365830081675 1.0 0.8474089985653127 S3 True

107

[ 0.53370359 -0.11123761 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0225677699425137 1.0 0.597308015336312 S1 True

108

[ 0.58586321 -0.12518529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0570209294642727 1.0 0.8542396697560509 S1 True

109

[ 0.51061813 -0.18431834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.032472583593471 1.0 0.7147643071382336 S1 True

110

[ 0.51401771 -0.25408932 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0513253726789547 1.0 0.5316628077494462 S1 True

111

[ 0.53257278 -0.04409942 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9839472162317349 1.0 0.43338504391568966 S1 True

112

[ 0.4840144 -0.27379799 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.041887714437122 1.0 0.4115053168103136 S1 True

113

[ 0.57354432 -0.04871563 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.030843331477941 1.0 0.5831576603152273 S1 True

114

[ 0.4347307 -0.26936758 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9984248882903548 1.0 0.27604920312343056 S1 True

115

[ 0.3949231 -0.29879044 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9630179852260057 1.0 0.16244797663594576 S1 True

116

[ 0.35907226 -0.27496529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8695787516121027 1.0 0.09970057047379799 S1 True

117

[ 0.34845075 -0.20200787 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7353319712645079 0.9541641602044225 0.20176657534795753 S1 True

118

[ 0.57837949 0.04961127 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.983739024301458 1.0 0.3827512221425356 S1 True

119

[ 0.60432433 0.11404259 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9754120902367973 1.0 0.33911580773786437 S1 True

120

[ 0.56861921 0.15128902 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8701082267253515 1.0 0.18925941779535954 S1 True

121

[ 0.52215776 0.11067071 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7982786866182343 0.9766269149493823 0.14216806178961233 S1 True

122

[ 0.35827777 -0.13621904 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.652912333108913 0.9217791625423839 0.1468686366400616 S1 True

123

[ 0.63649509 0.17837864 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.975985751125387 1.0 0.3183761016807477 S1 True

124

[ 0.33333333 -0.09846494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.458475075083498 0.8387544432664963 0.0445991481343379 S1 True

125

[ 0.48320353 0.03188723 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7983909547577974 0.9765911536072182 0.16726481874940818 S1 True

126

[ 0.44925717 0.08700575 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.572511594408703 0.8845593087197349 0.029974979142995378 S1 True

127

[ 0.34646813 -0.01532637 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3076116894191627 0.7544373804136071 -0.029087153642201373 S1 True

128

[ 0.33333333 -0.32302533 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.863496382611814 1.0 0.03210930269992303 S1 True

129

[ 0.42774227 -0.36548146 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0323663259908007 1.0 0.21460190559428008 S1 True

130

[ 0.62040461 0.26043535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8641811114252507 1.0 0.15877226287933816 S1 True

131

[ 0.66430666 0.2629316 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9536716425966338 1.0 0.2590236405539092 S1 True

132

[ 0.39021817 0.07322272 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3070682058975027 0.7495664730774834 -0.050677136141015974 S1 True

133

[ 0.63191835 0.34667227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7750881606371944 0.9673736435511798 0.08057933041312941 S1 True

134

[ 0.56781169 0.25142482 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7189881754839351 0.9441970039613368 0.06303920052698347 S1 True

135

[ 0.42774227 -0.10136346 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8278416185241728 0.987822462939966 0.25049971338691585 S1 True

136

[ 0.33333333 -0.3072157 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8440773258109306 0.9936767227530415 0.03703876638327907 S1 True

137

[ 0.57942357 0.37911087 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5031046482728188 0.8498757866263345 -0.04011260453271874 S1 True

138

[ 0.694017 0.184123 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.03586164151876 1.0 0.4814357216928931 S1 True

139

[ 0.6728846 0.4002737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8181894009754045 0.9854804538730889 0.10197929254192435 S1 True

140

[ 0.71715562 0.28723139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0103916450629327 1.0 0.3642541084839748 S1 True

141

[ 0.5298702 0.30632822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4371037267790279 0.8142861436152403 -0.052469894999505176 S1 True

142

[ 0.69124767 0.47285479 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7636677350307766 0.9626553306230622 0.060506011414891384 S1 True

143

[ 0.72914986 0.46606711 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8798368408953927 1.0 0.14343686510354625 S1 True

144

[ 0.76526877 0.33816668 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0320196113140243 1.0 0.4210898228431025 S1 True

145

[ 0.78730647 0.45364022 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9955623516702554 1.0 0.2992517136854548 S1 True

146

[ 0.80278761 0.29646586 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0621486533696114 1.0 0.6328884043314243 S1 True

147

[ 0.75042668 0.17411257 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064319606440917 1.0 0.7120694593852099 S1 True

148

[ 0.35998054 -0.38030387 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9688062841535194 1.0 0.06767435404370337 S1 True

149

[ 0.77204146 0.54915032 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.883317259874602 1.0 0.13923544475176872 S1 True

150

[ 0.71507079 0.55411727 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7061426837332698 0.9383168066199207 0.024692904931053878 S1 True

151

[ 0.66351142 0.54169034 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5173602344040305 0.8559486845098784 -0.047275777711457814 S1 True

152

[ 0.66784911 0.0891428 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0486147364276253 1.0 0.5956884407627451 S1 True

153

[ 0.4799464 0.20981763 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.427308226257709 0.8108038112653689 -0.04275482970568589 S1 True

154

[ 0.75931795 0.63673708 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7169561970692981 0.9428611018458949 0.025467457367773318 S1 True

155

[ 0.83240603 0.28558822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0700115174722296 1.0 0.7792909778112749 S1 True

156

[ 0.82446046 0.50995875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.006590019629165 1.0 0.31701150450050536 S1 True

157

[ 0.86062305 0.38288541 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066339573046349 1.0 0.6672079550912063 S1 True

158

[ 0.78602408 0.1436318 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0706248612191773 1.0 0.9569621271740141 S1 True

159

[ 0.55700964 0.41860621 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2776468753381656 0.7232234733991282 -0.10207721651393038 S1 True

160

[ 0.81311944 0.53565478 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9747023932718517 1.0 0.25098021231705514 S1 True

161

[ 0.42519323 -0.3540646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0273828735771016 1.0 0.21158826159628794 S1 True

162

[ 0.73408936 0.68637787 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5095023526252629 0.85140126714127 -0.055919525647602206 S1 True

163

[ 0.85947016 0.50241043 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.041302208519052 1.0 0.4316569449681761 S1 True

164

[ 0.8907651 0.36133484 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0721344746472856 1.0 0.8467417017520058 S1 True

165

[ 0.63035977 -0.05584205 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0610715850449686 1.0 0.8348280262506735 S1 True

166

[ 0.71341125 0.07346382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0666556170834256 1.0 0.8223976162179293 S1 True

167

[ 0.84659102 0.60285089 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9746636460496496 1.0 0.24515563163020773 S1 True

168

[ 0.4773164 0.28746225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1891114606336362 0.6759704425596922 -0.10928850615194036 S1 True

169

[ 0.33333333 -0.41367426 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9518144463932485 1.0 0.0152626041028769 S1 True

170

[ 0.68676405 0.42724354 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.819452445970189 0.9860768319397568 0.0998900316667521 S1 True

171

[ 0.91234734 0.45099549 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069987839966784 1.0 0.7240893065951607 S1 True

172

[ 0.94625813 0.3916929 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071047651256888 1.0 1.0348575754621763 S1 True

173

[ 0.82184358 0.62472172 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.910442042406131 1.0 0.1601513282327071 S1 True

174

[ 0.99073194 0.40347372 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2277452973943657 1.0 1.246313038544056 S1 True

175

[ 0.34170517 -0.35430824 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9157477245471224 1.0 0.03924387974748371 S1 True

176

[ 0.39173901 -0.37732362 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0070131394436297 1.0 0.13131503598597455 S1 True

177

[ 0.75472995 0.7437563 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.470504559745574 0.8292395940365517 -0.06908461077642937 S1 True

178

[ 0.67805164 -0.04371811 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067069274489384 1.0 1.0257955124798617 S1 True

179

[ 0.33333333 -0.27107243 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7948530184481202 0.9764324943931899 0.052825049119392245 S1 True

180

[ 0.75484675 0.31068521 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.034564942056075 1.0 0.4374943878573307 S1 True

181

[ 0.71035072 0.74445591 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.220992960181815 0.6874877774214735 -0.12737602543092696 S1 True

182

[ 0.87860802 0.24961551 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.342195995313982 1.0 1.1071022080849389 S1 True

183

[ 0.95326089 0.51373159 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071419791234024 1.0 0.7527540758525656 S1 True

184

[ 0.851688 0.69924594 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8942929311511694 1.0 0.14019818096510525 S1 True

185

[ 0.93341814 0.6166396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0510601116670286 1.0 0.4732101020432436 S1 True

186

[ 1. 0.54004838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.073224028357649 1.0 0.8991921250914672 S1 True

187

[ 0.61630683 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

188

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

189

[ 0.93375489 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6913734175719963 0.8180779418443404 0.0038795308190635695 S3 True

190

[ 0.95645618 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7700183219156918 0.965499184048184 0.04303562403349642 S1 True

191

[ 0.92419515 0.93709269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7673651959979046 0.9643655143061421 0.04256675527824165 S1 True

192

[ 0.84561352 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.713989624288521 0.9415338124597763 0.017883923343409287 S1 True

193

[ 0.99423557 0.6208513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0695762161615203 1.0 0.6861701105263338 S1 True

194

[ 0.94118401 0.78435305 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9805474480981227 1.0 0.24473452653958427 S1 True

195

[ 0.98677073 0.80420288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.022719726604912 1.0 0.338361151961106 S1 True

196

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

197

[ 0.87925696 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4528875206838698 0.8186701168572204 -0.07848856213838379 S1 True

198

[ 0.78369329 0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.003411944824402 1.0 0.31936360515917395 S1 True

199

[ 0.80055584 0.27898815 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064012745703747 1.0 0.6634569289999019 S1 True

200

0.9900497512437811

0.0843759293245216

[0.93341814 0.6166396 ]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69780174 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3365372365774245 1.0 1.2014573006429443 S1 True

0

[ 0.74315074 -0.95343499 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3520999784175217 1.0 1.4862973280781782 S1 True

1

[ 0.71075881 -0.91582168 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3395511448489834 0.9884170234218479 1.2789358428663686 S1 True

2

[ 0.80102763 -0.97826765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3736116041107478 1.0 1.9202955975093796 S1 True

3

[ 0.64227045 -0.92881048 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3524767089913473 0.8031619900689884 0.9091047243807081 S1 True

4

[ 0.79500842 -0.85295557 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3687605763362364 1.0 1.8728768628429375 S1 True

5

[ 0.83661384 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34962688685119453 1.0 2.23716152236363 S1 True

6

[ 0.88599427 -0.82497085 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3812441403242098 1.0 2.741196550832526 S1 True

7

[ 0.95633134 -0.70195839 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3839609549604562 1.0 3.6353044062669655 S1 True

8

[ 0.78439163 -0.76560521 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36489400657332455 0.9033150488689927 1.7909209585006758 S1 True

9

[ 0.98160229 -0.74579838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4219483782561265 1.0 4.0056073940970345 S1 True

10

[ 0.85472324 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3753235565175301 1.0 2.408392475171132 S1 True

11

[ 0.91955645 -0.91584981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39561858476387135 1.0 3.1337891755975176 S1 True

12

[ 0.83824214 -0.69618139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3351834887317241 1.0 2.258681192681883 S1 True

13

[ 0.90559106 -0.62889267 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36754625026411253 0.7553564661453028 2.9835434598680335 S1 True

14

[ 1. -0.84250202 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37181218917249265 1.0 4.292818409513442 S1 True

15

[ 0.94008457 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3808346050481601 1.0 3.3975011092239176 S1 True

16

[ 0.81858657 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3413550690239099 0.9880095804583681 2.0863540619574246 S1 True

17

[ 0.71038783 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34900149803967573 0.9995607613706122 1.2783651115936545 S1 True

18

[ 0.71677318 -0.7012332 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3130666751080162 0.980795592723767 1.3213193312111469 S1 True

19

[ 0.777409 -0.55349435 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34883260897292095 0.9012613848096145 1.7563696257782961 S1 True

20

[ 0.6923782 -0.62289244 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33537492961254506 0.6763702788682395 1.1809055506973674 S1 True

21

[ 0.81878144 -0.51761527 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35988787820731044 0.9870680307000192 2.1078865784668173 S1 True

22

[ 0.81076917 -0.431228 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35796458557079214 0.7641792963022932 2.07022613795235 S1 True

23

[ 0.65857663 -0.76390994 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28768939245419106 0.9766729743416768 0.9919360672363382 S1 True

24

[ 0.97707578 -0.58633232 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37265659649562644 1.0 3.9627520324243957 S1 True

25

[ 0.63073561 -0.68923246 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37458450260891957 0.7414942362172765 0.8596865277697209 S1 True

26

[ 0.86266849 -0.47748943 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36381465873962354 0.9166803167735965 2.5457819894456755 S1 True

27

[ 0.99587749 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36217346455302674 1.0 4.220743075028059 S1 True

28

[ 1. -0.50990199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3594205024959591 1.0 4.3599378197704555 S1 True

29

[ 0.87769253 -0.38520848 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35783179179560415 0.6405359354019826 2.7701137611494255 S1 True

30

[ 0.61612462 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29784375917295625 0.9792398037882899 0.7890850348462932 S1 True

31

[ 0.96363689 -0.4474485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3358577892454231 0.9944480113922597 3.827675121393367 S1 True

32

[ 1. -0.39935148 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3425373207637095 0.9969374860361075 4.456383019074973 S1 True

33

[ 0.74182429 -0.4957662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3468811870231807 0.8473788231492935 1.5097234153942765 S1 True

34

[ 0.97615061 -0.3263812 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37198735598421806 0.9881185809202352 4.196260256118666 S1 True

35

[ 0.72660855 -0.4037702 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4444970425254895 0.7530267307190109 1.4401580604164332 S1 True

36

[ 0.58411547 -0.96451455 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.269961728037596 0.989107547447627 0.6568147290608868 S1 True

37

[ 0.53777605 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2594629462850142 0.9960225596674511 0.4891094178924775 S1 True

38

[ 0.59313213 -0.76567 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35951389558698527 0.5958832519589524 0.6948802425475199 S1 True

39

[ 1. -0.26677207 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36778131734274405 0.9294347185296229 4.838826265482143 S1 True

40

[ 0.53122023 -0.92069324 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22792221846001895 0.9711970050814019 0.4678434053746243 S1 True

41

[ 0.69470314 -0.37675351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Warning: 1 unsafe points removed. Model might be violated

0.41945924928230766 0.24766209507922726 1.2539379990872257 S1 True

42

[ 0.95468515 -0.2510716 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3893758874055848 0.6574311017600698 4.161044969142717 S1 True

43

[ 1. -0.17614224 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3916371922291261 0.6644603255155719 5.846155161396888 S1 True

44

[ 0.49060527 -0.89568982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2377483301694294 0.7499481001203179 0.3444186821989798 S1 True

45

[ 0.77514391 -0.3347162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5521767060154772 0.7436385667021623 1.847413139287877 S1 True

46

[ 0.52958989 -0.80526626 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2732265624153994 0.9879529916958212 0.46354142688690153 S1 True

47

[ 0.47347285 -0.79541384 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.19317942604755245 0.9148211942729477 0.2980713387938668 S1 True

48

[ 0.49373998 -0.70857677 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.19113576932670848 0.7702457257231812 0.35564011073034185 S1 True

49

[ 0.95408017 -0.17539468 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3462330316128125 0.7224681138826095 4.908609034485036 S1 True

50

[ 0.43303452 -0.75573333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.07334715514024806 0.6651773435564026 0.19758594962759107 S1 True

51

[ 0.93406368 -0.08401452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.67163857072645 0.5454279238225375 3.527986473422724 S1 True

52

[ 0.75122246 -0.28230532 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4557406951219458 0.19323863906447053 1.739642675917225 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

53

[ 0.91764308 -0.12406884 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6370093587289882 0.6043644082558182 3.696926522150465 S1 True

54

[ 0.46915047 -0.65004809 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.34776431594745744 -0.06985419040588213 0.28937803476291823 S1 False

WARNING:root:Hit Constraint

55

[ 0.89017771 -0.25212615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3411071182601707 0.7744209490400982 3.2292204868623613 S1 True

56

[ 0.59359994 -0.63837235 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2707571742642356 0.9419117721856696 0.701063899906215 S1 True

57

[ 0.41307432 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.10140855599865589 0.8168158733289229 0.15215263665246673 S1 True

58

[ 0.56682904 -0.56808969 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.47908679481955774 0.43320718407585673 0.6013847170414233 S1 True

59

[ 0.86182126 -0.18080179 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.661898900614707 0.548934659105727 3.493760285505511 S1 True

60

[ 0.45459714 -0.93782816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21411064038614755 0.8586763555710957 0.24826354299973213 S1 True

61

[ 0.6588039 -0.56408228 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30931123620461476 0.9707562849786325 1.0047515274250838 S1 True

62

[ 0.78993712 -0.24472847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.434392317750315 0.3067045932561047 2.1747646311583813 S1 True

63

[ 0.62629099 -0.48883893 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5600368563757832 0.4153881803264951 0.8574724802120697 S1 True

64

[ 0.89708087 -0.09137701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6423969879497601 0.38332939311528524 3.1112925501809268 S1 True

65

[ 1. -0.09326309 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35156653679372846 0.6964171753698037 4.666134861825652 S1 True

66

[ 0.42449924 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14898658547806656 0.5859380363925578 0.17655975656991182 S1 True

67

[ 0.47921166 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18975545243112804 0.9814121602018716 0.3123348863132693 S1 True

68

[ 0.96300639 -0.0139308 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44606144362465994 0.4683064747076801 3.27188106736237 S1 True

69

[ 0.97522931 -0.93235905 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3919057773491492 1.0 3.8987482724522144 S1 True

70

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

71

[ 0.38102343 -0.85877484 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.028792160373222738 0.9232664969150681 0.08601382025597333 S1 True

72

[ 0.34110455 -0.88741083 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.0022370399012253523 0.8900737893838992 0.013488779854932312 S1 True

73

[ 1. 0.00692948 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6882608989345135 0.594945551641716 3.5825907323063992 S1 True

74

[ 0.91557243 -0.51459663 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34551543728674705 0.9972738651683666 3.134847541808626 S1 True

75

[ 0.3467444 -0.80502027 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13408076777320524 0.3020777900769941 0.023541535875214743 S1 True

76

[ 0.85082596 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 0.33333333 0.15339142 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 0.66797894 0.46116248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 340 [ 0.7924329 -0.44474748]S3 True

79

[ 1. 0.54855598 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.073256297353963 1.0 0.8777216832244464 S3 True

80

[ 1. 0.60054803 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0718828555123032 1.0 0.7543219994025685 S1 True

81

[ 0.97373893 0.59773662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067860742919429 1.0 0.6534186411953089 S1 True

82

[ 0.95173704 0.51589116 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0711043824037656 1.0 0.74139834300781 S1 True

83

[ 0.92103681 0.47216641 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069673786414224 1.0 0.7122425858336042 S1 True

84

[ 0.88443938 0.48973788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0573397904025623 1.0 0.5371536245400259 S1 True

85

[ 0.90559106 0.58457225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0445830866953147 1.0 0.4383047086423926 S1 True

86

[ 0.84666496 0.53142089 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.018824387318366 1.0 0.34673985794129536 S1 True

87

[ 0.86990539 0.6594272 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9671375056992313 1.0 0.22916767473738003 S1 True

88

[ 0.81118212 0.61957259 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8926146901250276 1.0 0.14292676725364997 S1 True

89

[ 0.82993159 0.73626271 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7865868869845214 0.9725029462879009 0.05879253137318805 S1 True

90

[ 0.7763742 0.70768813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6476318339860128 0.9130417672287722 -0.008148023735122663 S1 True

91

[ 1. 0.44355248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.296893848110523 1.0 1.1715235243247089 S1 True

92

[ 1. 0.69823875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0615872002704823 1.0 0.554457581555604 S1 True

93

[ 0.94870353 0.72580902 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0237053112362178 1.0 0.34537080065538883 S1 True

94

[ 0.81118212 0.81599315 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5662957400536965 0.8771603401867455 -0.04124829548221057 S1 True

95

[ 0.81079586 0.50291197 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9942252623435324 1.0 0.2904554001452465 S1 True

96

[ 0.76118745 0.5392333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8690304128862274 1.0 0.12756350051464727 S1 True

97

[ 0.93479747 0.81225668 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9480713167759967 1.0 0.19483444476192457 S1 True

98

[ 0.88406281 0.86542134 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7531981126498255 0.9582947200815913 0.0363064922502562 S1 True

99

[ 0.7622897 0.44150697 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9687026369191574 1.0 0.25159032883116594 S1 True

100

[ 0.71677318 0.42324263 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9004333484579166 1.0 0.16769305826118985 S1 True

101

[ 0.70662207 0.52351834 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.730369044572916 0.9486109054315808 0.03864574118024128 S1 True

102

[ 0.92529034 0.89606199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.83214293874154 0.9921717874207047 0.083587897827863 S1 True

103

[ 0.93902075 0.3819417 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071215643671688 1.0 1.0255167197542068 S1 True

104

[ 0.83063947 0.39129501 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0552972579253055 1.0 0.5381479771497533 S1 True

105

[ 1. 0.81853924 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.028187147430432 1.0 0.35498680822237344 S1 True

106

[ 0.74099067 0.34755931 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.003455079726512 1.0 0.3338966397603268 S1 True

107

[ 0.71677318 0.68150706 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4358014696270722 0.8099505503646867 -0.07682312937260757 S1 True

108

[ 0.90128982 0.97592993 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6103424662176384 0.8965192600633602 -0.028526301122468737 S1 True

109

[ 0.80754184 0.28649648 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0649119010893773 1.0 0.6738838133240299 S1 True

110

[ 0.66546006 0.53328953 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5458228568773045 0.8687639664466387 -0.0376082617249893 S1 True

111

[ 0.70307267 0.31251587 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.976135539538257 1.0 0.285121015204657 S1 True

112

[ 0.82302334 0.9250569 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3531984622974362 0.7623242028081271 -0.1025870515424554 S1 True

113

[ 1. 0.91400667 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.971772141375158 1.0 0.22580286824916712 S1 True

114

[ 0.65634632 0.3371926 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.858528824218077 1.0 0.1409349800824006 S1 True

115

[ 0.89594617 0.33088664 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072146063883884 1.0 0.9531874169131237 S1 True

116

[ 0.60946155 0.33288983 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7229000240207195 0.9456640676094308 0.0531215148967199 S1 True

117

[ 0.61573241 0.26441152 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8470398783951876 0.997133797668057 0.14361679871658814 S1 True

118

[ 0.64317673 0.18997771 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.977364022268941 1.0 0.31746646371764714 S1 True

119

[ 0.71858086 0.22572496 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.038760144769551 1.0 0.48027701494199465 S1 True

120

[ 1. 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0312925807613396 1.0 0.3659258124179924 S1 True

121

[ 0.96093751 0.32144313 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1581644343478 1.0 1.3464648823995582 S1 True

122

[ 0.58192202 0.38699371 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4962202592048575 0.8459602964053163 -0.0429741500272104 S1 True

123

[ 0.96522143 0.95338988 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.86207759783295 1.0 0.10464289329691094 S1 True

124

[ 0.59000688 0.21277233 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8468529123372242 0.9968011169840789 0.1538507232842914 S1 True

125

[ 0.66713373 0.12369044 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0379123450047505 1.0 0.5157757346480435 S1 True

126

[ 0.76239025 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.332236826552523 0.7507707434677103 -0.10554607018497536 S1 True

127

[ 0.61978002 0.52413695 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.336379395128373 0.755034983403406 -0.095206294035498 S1 True

128

[ 0.76351388 0.16878878 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0678391251021764 1.0 0.7809972889931179 S1 True

129

[ 0.59585866 0.12300626 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9551013621125806 1.0 0.3004566467156816 S1 True

130

[ 0.74838334 0.15251521 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066423964285883 1.0 0.7587099408805003 S1 True

131

[ 0.54668124 0.21373307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7104521105669992 0.9407941854806947 0.06521265666409312 S1 True

132

[ 0.67738993 0.65838199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2819438182020708 0.7229632212625444 -0.11272873599632607 S1 True

133

[ 0.87834389 0.24713593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3382810844512698 1.0 1.1136371206847389 S1 True

134

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

135

[ 0.54269776 0.37779585 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3129837240415914 0.7438474339537874 -0.091085491767707 S1 True

136

[ 0.84400683 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2576094241896145 0.7075083243381353 -0.12407712084642775 S1 True

137

[ 0.67471504 0.04680941 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.059980445508622 1.0 0.7293821851297153 S1 True

138

[ 0.90559106 0.73433802 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.96443609049306 1.0 0.22096155447850477 S1 True

139

[ 0.59154057 0.03940034 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0066971396999174 1.0 0.443542374044633 S1 True

140

[ 0.55679668 0.08942306 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9127967804429649 1.0 0.25377181725422016 S1 True

141

[ 0.53012565 0.29524259 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.466342169089466 0.8306250402430033 -0.042652763704514415 S1 True

142

[ 0.73961794 0.06516857 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069467832531507 1.0 0.9717805996935004 S1 True

143

[ 0.99377169 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8751368334131926 1.0 0.11445893362752364 S1 True

144

[ 0.50859555 0.07459122 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8110087868802176 0.9816605597848754 0.16231746336812794 S1 True

145

[ 0.67255644 0.6761658 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1978077769727478 0.6746196699951952 -0.1300625285925706 S1 True

146

[ 0.52244308 -0.0092025 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9406352572372612 1.0 0.333283554469507 S1 True

147

[ 0.4645311 0.11869386 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5705505576172973 0.8832052386166224 0.02185391985422229 S1 True

148

[ 1. 0.83792483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0192629814387986 1.0 0.3268730808035131 S1 True

149

[ 0.89825328 0.26264405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2915144800767828 1.0 1.1741959024977129 S1 True

150

[ 0.81447683 0.16111574 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.062566433865542 1.0 1.0473997430773674 S1 True

151

[ 1. 0.96640503 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.925902702170465 1.0 0.1639627230641555 S1 True

152

[ 0.83278153 0.40705423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.052740199562476 1.0 0.515221780691608 S1 True

153

[ 0.46805504 0.03227815 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7498199227003919 0.9574460745089879 0.13392468225775425 S1 True

154

[ 0.9291499 0.60641911 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0514621528787336 1.0 0.47693425227420233 S1 True

155

[ 0.49091788 0.28344034 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2850733092258297 0.7301679234065461 -0.08853766702508019 S1 True

156

[ 0.48332783 -0.06600791 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9191129377268672 1.0 0.33215101399786223 S1 True

157

[ 1. 0.28821267 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1898551886445672 -0.18254704630993862 1.7518585962350974 S1 False

158

WARNING:root:Hit Constraint

[ 0.66602321 0.1800428 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0124667921005095 1.0 0.40062777972903213 S1 True

159

[ 0.93527131 0.42119782 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0727999913079165 1.0 0.8986360997429501 S1 True

160

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

161

[ 0.33333333 0.57785203 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

162

[ 0.53655659 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

163

[ 0.33333333 -0.38925053 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.931745504963786 0.9467282372976641 0.018484500092937124 S3 True

164

[ 0.33333333 -0.32453162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8652812927550557 1.0 0.03168451453313002 S1 True

165

[ 0.35188133 -0.2627069 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8360058405682824 0.9907905846443231 0.09315669804717701 S1 True

166

[ 0.40728685 -0.13062162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8105659192555166 0.9813179209963512 0.25157008593054914 S1 True

167

[ 0.39209637 -0.2717585 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9362804301739152 1.0 0.17139910703614464 S1 True

168

[ 0.40107639 -0.04426403 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6429878285600512 0.9159232725292784 0.10159029904536246 S1 True

169

[ 0.53027106 -0.08856354 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.008065138081456 1.0 0.5275219196353083 S1 True

170

[ 0.37884534 0.03345901 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3543868305950535 0.7770885390669754 -0.029055846320987927 S1 True

171

[ 0.45445417 -0.18601584 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9709067639557933 1.0 0.5090493655500294 S1 True

172

[ 0.35355682 -0.13264479 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6269224710863084 0.9115564305962781 0.1313559756684158 S1 True

173

[ 0.53656887 -0.17497779 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0458995891129907 1.0 0.7956729371367266 S1 True

174

[ 0.47523015 -0.27429609 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0369826105195887 1.0 0.38454332400754426 S1 True

175

[ 0.37528176 -0.39439001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9976886674717922 1.0 0.09475511546953524 S1 True

176

[ 0.44076571 0.19052875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.261592922181546 0.7197896926586789 -0.0821707762538911 S1 True

177

[ 0.59913439 -0.06035905 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.050176440772322 1.0 0.7135261115015206 S1 True

178

[ 0.65238868 -0.07337097 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0660065904647347 1.0 0.9990248125803259 S1 True

179

[ 7.51826164e-01 5.32560935e-04 -3.26512176e-01 -7.02326720e-02

7.87589262e-01 2.55935451e-03 -5.15983875e-03 4.84641007e-02]1.1435648219194607 1.0 1.2717156490468189 S1 True

180

[ 0.33333333 -0.02673436 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2633114962039393 0.7312468472268933 -0.03740375798962916 S1 True

181

[ 0.42903532 -0.35968996 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.031660024975189 1.0 0.21921425568788355 S1 True

182

[ 0.52215121 -0.28775154 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2988540946251186 1.0 0.5235038515830895 S1 True

183

[ 0.5768173 -0.23683305 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.134854337327484 1.0 0.8116256801234285 S1 True

184

[ 0.40013178 0.14035437 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1630027854267815 0.6666837945881392 -0.09557341024418689 S1 True

185

[ 0.33333333 -0.46477094 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9861321358025952 1.0 0.010354027022414482 S1 True

186

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.54047755 0.41571008 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1844027586575123 0.6702651533686854 -0.12088085279694678 S1 True

187

[ 0.42774227 0.24500428 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.99316053982995 0.5654767058111534 -0.13942475734717832 S1 True

188

[ 0.65368827 0.16369994 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0077910705112667 1.0 0.3934042905647882 S1 True

189

[ 0.79270091 0.01324413 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1518582162377802 1.0 1.4789087284100293 S1 True

190

[ 0.51451087 -0.10338289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9980868440600033 1.0 0.5092869969486545 S1 True

191

[ 0.56862459 0.45741928 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2307009843922918 0.6959504692879691 -0.11442587989713944 S1 True

192

[ 0.52936528 -0.34873297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1031821305680727 0.11159960166972643 0.5116340525242165 S1 True

193

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.33333333 -0.54084307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0112313466895841 1.0 0.005929579702652853 S1 True

194

[ 0.77958998 0.29629488 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0535141061749327 1.0 0.5478420615655349 S1 True

195

[ 0.73331997 0.17310556 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0591054991067375 1.0 0.6462655055060922 S1 True

196

[ 0.33926501 0.03753439 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.09680881683245 0.6354707455624201 -0.08975771487045255 S1 True

197

[ 0.63727318 -0.14554911 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1963705327191372 1.0 1.1955106974490635 S1 True

198

[ 0.88940408 0.17409858 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1576535562550758 1.0 1.4442033419666727 S1 True

199

[ 0.8007002 -0.00384185 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1577951516737313 -0.5205092488027868 1.614105282748761 S1 False

WARNING:root:Hit Constraint

200

0.9850746268656716

0.1006109462804962

[1. 0.54855598]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69707632 -0.98374919 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32223458698031454 1.0 1.1973589542260765 S1 True

0

[ 0.74585927 -0.93169471 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3455209362229134 1.0 1.5049648428673859 S1 True

1

[ 0.74258805 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37445479351641314 1.0 1.4821141365915493 S1 True

2

[ 0.80510516 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36138242597474135 1.0 1.9540873536046053 S1 True

3

[ 0.62288935 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3047709654114835 0.9818885476058522 0.8189956984457379 S1 True

4

[ 0.80205911 -0.84147899 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3770154776099737 1.0 1.931060691282985 S1 True

5

[ 0.64997769 -0.92897327 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33804354641426876 1.0 0.9464749783363118 S1 True

6

[ 0.85489116 -0.81994084 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3611551153167128 1.0 2.4136550704093063 S1 True

7

[ 0.98065698 -0.71814306 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3806079031144061 1.0 3.9937744577020915 S1 True

8

[ 0.90776954 -0.72539265 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3823080848384424 1.0 2.9983474899996696 S1 True

9

[ 0.93769767 -0.63162531 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37345989527721285 1.0 3.388794179792117 S1 True

10

[ 0.847707 -0.71333796 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35869673741490293 1.0 2.3482447447900627 S1 True

11

[ 0.7052248 -0.8575812 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3070353530312121 1.0 1.2464753077481636 S1 True

12

[ 0.8691809 -0.95065736 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3913204981910687 1.0 2.5567092165554777 S1 True

13

[ 0.73812945 -0.75751244 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3289072699952429 1.0 1.4564168702376903 S1 True

14

[ 0.77452002 -0.6586591 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31615361168123773 0.9861933787165822 1.721127793225792 S1 True

15

[ 0.95849438 -0.82128837 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42868357567424664 1.0 3.6568761549812856 S1 True

16

[ 0.79562547 -0.57949075 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3308522715421607 0.9698564266880526 1.8968082735267688 S1 True

17

[ 0.85013519 -0.53160982 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3312627030402177 0.983705255708668 2.3993965997846303 S1 True

18

[ 0.81435328 -0.47521172 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3643292820683101 0.6269805284019445 2.0821664887257554 S1 True

19

[ 0.71642448 -0.68343774 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3369717863018968 0.977470627953399 1.320104737184882 S1 True

20

[ 0.92448785 -0.98431822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3832221643540491 1.0 3.1945600841202015 S1 True

21

[ 0.97068986 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3634635756132277 1.0 3.8294024045806756 S1 True

22

[ 0.64365863 -0.81797956 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28901186313991284 0.9690206180494726 0.9170825177400184 S1 True

23

[ 1. -0.56309112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38661066942531663 1.0 4.336240241727565 S1 True

24

[ 0.66117373 -0.65802797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3247766971658782 0.7035333493581052 1.009347950871417 S1 True

25

[ 0.6004683 -0.82602092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26389664608677765 0.972832942107259 0.7238863118745588 S1 True

26

[ 1. -0.87052344 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3750134829083972 1.0 4.29156280674687 S1 True

27

[ 0.90559106 -0.49000966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3398351039038881 0.9865428068869009 3.022693726510524 S1 True

28

[ 0.57608133 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2553295750417925 0.9787482834925344 0.6256536805254985 S1 True

29

[ 1. -0.47235539 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3411370234052671 1.0 4.383568892125768 S1 True

30

[ 0.71815443 -0.57969156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3412578965125332 0.7229377004052087 1.3396811482581468 S1 True

31

[ 0.93121211 -0.40011383 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36122661030861375 0.6579379472303989 3.4124878838302055 S1 True

32

[ 0.54517882 -0.90048787 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23039994246782933 0.9725384299262532 0.5146004848510979 S1 True

33

[ 0.52255677 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2500391100788535 0.9882189795543471 0.4396784642273674 S1 True

34

[ 0.52234239 -0.83776141 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2702667805601276 0.9103651515580208 0.4399527264607308 S1 True

35

[ 0.58132129 -0.7230133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3034210476428596 0.9854240580951077 0.649059896389115 S1 True

36

[ 1. -0.37519539 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3392941840855867 0.9883554913476155 4.4925892874617155 S1 True

37

[ 0.58257944 -0.63602686 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.273387550118733 0.9113986586179871 0.6572124666581016 S1 True

38

[ 0.54001072 -0.63586855 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2152949428597823 0.6824587891791434 0.5022497882416342 S1 True

39

[ 0.47682026 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18802463189057014 0.9762584115553549 0.30584879655116926 S1 True

40

[ 0.46420957 -0.90237637 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2306882748603455 0.9888004906878369 0.27287974238367985 S1 True

41

[ 0.58197509 -0.5492482 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5045551325084302 0.43891297881030594 0.6609227269326268 S1 True

42

[ 0.7372931 -0.49016913 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34612190040219726 0.8607290438236603 1.4802813522266702 S1 True

43

[ 0.42846396 -0.86914887 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14048058204966002 0.931603847536071 0.1860486155777418 S1 True

44

[ 0.47743466 -0.75882193 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1721182993015812 0.8466198406935815 0.3092094311135344 S1 True

45

[ 0.68729018 -0.49115884 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3038689706383201 0.9100956334867022 1.169747404961949 S1 True

46

[ 0.67839463 -0.39461721 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41709359377362204 0.2027598539967243 1.1502420588266975 S1 True

47

[ 1. -0.29829154 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3793621018579004 0.9882505250690815 4.688330483993615 S1 True

48

[ 1. -0.20362083 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35579004512256346 0.6562825927143203 5.8265491462228125 S1 True

49

[ 0.97033912 -0.27447476 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3745308444458064 0.6853822118838104 4.282135266208906 S1 True

50

[ 0.42774227 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1490432565565802 0.8213139158413356 0.18391234663940687 S1 True

51

[ 0.864183 -0.42515508 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36476806849488497 0.7935981975227596 2.59009542239991 S1 True

52

[ 0.40410976 -0.79403051 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.03769737639364921 0.7183689220739555 0.1331385712845569 S1 True

53

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

54

[ 0.88509859 -0.33909792 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3855422512191889 0.6878498731313776 2.913591403978333 S1 True

55

[ 0.39131179 -0.99020866 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11904123644109595 0.9883174102034974 0.10588741032284231 S1 True

56

[ 0.90559106 -0.24472847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3450564879249785 0.7601948464489595 3.476413286628786 S1 True

57

[ 0.46866892 -0.66652248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.47269572323227677 0.10727064797428856 0.28762966459314854 S1 True

58

[ 0.8538466 -0.29524607 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3387535086832185 0.7995024617542071 2.6484171387345388 S1 True

59

[ 0.85302761 -0.18221856 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6697031606853497 0.4953307896453988 3.389000123749367 S1 True

60

[ 0.78198318 -0.38687733 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32937339572859814 0.8460622458717858 1.8551401589656955 S1 True

61

[ 0.93934547 -0.16517264 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35413105983677834 0.739611768700539 4.509998847659145 S1 True

62

[ 0.80564286 -0.25050713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6554696322309307 0.49129555760161403 2.2974811985317714 S1 True

63

[ 0.90559106 -0.0982426 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7084676850308775 0.4533053917858093 3.2805687579892884 S1 True

64

[ 0.9597447 -0.1047926 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40182342813578825 0.7071742282862961 4.126332732053256 S1 True

65

[ 0.75242402 -0.31551946 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.646287158878576 0.41224439304565846 1.6947867162077397 S1 True

66

[ 0.87192706 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3855004330194315 1.0 2.584988832219811 S1 True

67

[ 1. -0.11193277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35070350984347515 0.6900701386773777 4.90636245147793 S1 True

68

[ 0.61737461 -0.4835442 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4037769195401576 0.24857756041208565 0.8179471800577257 S1 True

69

[ 0.55381876 -0.54556524 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3821013143186946 -0.08758213455515723 0.5558683104527328 S1 False

70

WARNING:root:Hit Constraint

[ 0.36590287 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.08596313885896242 0.3758089271465345 0.05768464920538869 S1 True

71

[ 1. -0.04080754 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41451781556782313 0.700150538407119 4.059103093018267 S1 True

72

[ 0.3590961 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.15264325240816887 0.9628081373468927 0.04457517900434873 S1 True

73

[ 0.33333333 -0.92880111 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.008804673900094016 0.8558587697794419 0.00039047501299667903 S1 True

74

[ 0.94081912 -0.918637 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3881472261566241 1.0 3.40881219994831 S1 True

75

[ 0.40691109 -0.74889023 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.03206178236773517 0.33924368723384457 0.1395368704181692 S1 True

76

[ 0.96094638 -0.01622358 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44091436089915553 0.46574142192045725 3.265179917905982 S1 True

77

[ 0.33671642 -0.81331561 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1892556506510244 0.20883093469618932 0.006477161320004077 S1 True

78

[ 0.95743324 -0.48661053 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34685213738154846 1.0 3.7106649064754316 S1 True

79

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.85842279 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.33333333 0.16646245 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 0.58995542 0.50251442 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

83

[ 1. 0.52951733 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0718090359690966 0.9931390202533299 0.9262973482540453 S3 True

84

[ 1. 0.58261096 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072540782787417 1.0 0.7954304702613824 S1 True

85

[ 0.97621563 0.50006287 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0731080562267663 1.0 0.888502448231348 S1 True

86

[ 0.93367995 0.51279271 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0682793443338245 1.0 0.6743983434009948 S1 True

87

[ 0.97283113 0.64056797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.062087960675781 1.0 0.5652975752940511 S1 True

88

[ 0.90092201 0.57073637 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.045889256311059 1.0 0.4468388234229677 S1 True

89

[ 0.91357524 0.67773265 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.012644736491434 1.0 0.31728887458499055 S1 True

90

[ 0.96997612 0.71455412 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0443578330535024 1.0 0.4260595096069586 S1 True

91

[ 0.85891343 0.60801842 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9885725936316225 1.0 0.26944431034000094 S1 True

92

[ 0.97506668 0.81456456 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.005067774772856 1.0 0.29180904723556417 S1 True

93

[ 0.93042489 0.82620529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9268261697007736 1.0 0.16859957313313093 S1 True

94

[ 0.87454632 0.77434087 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8589592976920193 1.0 0.10683667927132998 S1 True

95

[ 0.81118212 0.64783293 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8584571409112467 1.0 0.11191161003999808 S1 True

96

[ 0.81038697 0.75555872 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6867118755985855 0.9298676649859848 0.006891455527350911 S1 True

97

[ 0.83539511 0.54222053 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0005268293980127 1.0 0.29964640156884587 S1 True

98

[ 0.92058213 0.89816827 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8158407191244408 0.9851220662242541 0.0725149432221132 S1 True

99

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.90466325 0.44076827 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069530673573012 1.0 0.7155162359713768 S1 True

100

[ 0.96452825 0.94680219 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8686013200092164 1.0 0.11000660401452687 S1 True

101

[ 0.91079747 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.599666932117926 0.8917925180428987 -0.032716185605722835 S1 True

102

[ 0.81484077 0.44572478 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.028783192558198 1.0 0.3894856085518619 S1 True

103

[ 0.83959787 0.35533402 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064437545179219 1.0 0.6454596822152596 S1 True

104

[ 0.77634469 0.53440156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9094952891722348 1.0 0.16573231679187406 S1 True

105

[ 0.87562904 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4343664722559073 0.8081975279030099 -0.08344082129236409 S1 True

106

[ 0.76048821 0.65118609 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6950100977793503 0.9334881555037824 0.01445782381610646 S1 True

107

[ 0.80052677 0.356793 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.049079362324692 1.0 0.5010849432275031 S1 True

108

[ 0.72147847 0.59552586 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.652040479169692 0.9151121526300029 -0.0016264233999006958 S1 True

109

[ 1. 0.42765327 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2540023692189566 1.0 1.2220465983586115 S1 True

110

[ 1. 0.96143569 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9307776174714602 1.0 0.1695774984140687 S1 True

111

[ 0.74983903 0.350311 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0118908920344514 1.0 0.3545618828058205 S1 True

112

[ 0.90559106 0.33305606 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0716119393764107 1.0 0.9953231403511738 S1 True

113

[ 0.6909511 0.52420903 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6717956794923956 0.923717366786654 0.010895264854730056 S1 True

114

[ 0.92791906 0.37165056 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0716910614604145 1.0 0.9980746687900364 S1 True

115

[ 0.73907084 0.73107981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4230504620421496 0.8025329470819231 -0.08165653327089481 S1 True

116

[ 0.68324816 0.40267354 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8436062377558613 0.9962433795941822 0.12029644401010926 S1 True

117

[ 0.75522725 0.27910816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.045260137035191 1.0 0.4980657684047287 S1 True

118

[ 0.71677318 0.22621499 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0373247434773236 1.0 0.47337007182529606 S1 True

119

[ 0.82652036 0.89547788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4503557989513383 0.8174363648209986 -0.07780001200706298 S1 True

120

[ 0.65155458 0.31777552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8707425229978714 1.0 0.15443578730736854 S1 True

121

[ 0.70436594 0.14943137 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0521258960958826 1.0 0.5915067439915622 S1 True

122

[ 0.80836617 0.22399429 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0703788600456887 1.0 0.8326564780580583 S1 True

123

[ 0.89164035 0.23458558 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2340460237449409 1.0 1.2314238356988638 S1 True

124

[ 0.65695725 0.17990989 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0023018159035275 1.0 0.3738339943747362 S1 True

125

[ 1. 0.33974115 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1626916835729169 0.9929559211558998 1.5360764206632354 S1 True

126

[ 0.63794238 0.43049535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.647273801915165 0.9134635542812972 0.0074948253751924 S1 True

127

[ 0.83588996 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2075059098228842 0.6786603847526715 -0.1338114251225219 S1 True

128

[ 0.64640467 0.09638768 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.032450947468197 1.0 0.5035216628747088 S1 True

129

[ 1. 0.22798195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.2083718915013373 -0.061970926489013714 2.040277729781897 S1 False

WARNING:root:Hit Constraint

130

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

[ 0.68583205 0.65104856 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3515208193215316 0.7625393784910158 -0.09696774243291151 S1 True

131

[ 0.80418686 0.13844007 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4415757365633568 1.0 1.0667368073693317 S1 True

132

[ 1. 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0312925807613396 1.0 0.3659258124179924 S1 True

133

[ 0.60669756 0.40015211 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5799454676613163 0.8844925367838683 -0.01606510365257487 S1 True

134

[ 0.99008218 0.27505972 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1868226192599574 -0.19793460166035795 1.734261295315552 S1 False

135

WARNING:root:Hit Constraint

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

[ 0.75376357 0.08704509 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0698315526742608 1.0 0.9726301793881513 S1 True

136

[ 0.82893619 0.39929346 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0527415831243334 1.0 0.5168113184420139 S1 True

137

[ 0.71677318 0.75917029 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2151960180480954 0.6840564336087082 -0.1288175997680593 S1 True

138

[ 0.60823204 0.14868502 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9545626016615325 1.0 0.2910576091460306 S1 True

139

[ 0.76139682 0.83934789 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2434606262556662 0.6999029318054484 -0.12483302074329682 S1 True

140

[ 0.65807149 0.02221093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.058272179492464 1.0 0.7270388348630573 S1 True

141

[ 0.61926975 0.51541494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3578822811340432 0.7672538785786214 -0.08965920008765323 S1 True

142

[ 0.71738134 0.01293488 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068309248267617 1.0 1.0321395723958677 S1 True

143

[ 0.56877734 0.31678505 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.595593887408228 0.8918093796868266 -0.0014509157635844176 S1 True

144

[ 1. 0.82394535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.025809498434863 1.0 0.34704409846852224 S1 True

145

[ 0.87605303 0.32267782 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0721654730379546 1.0 0.8800012185564502 S1 True

146

[ 0.56131961 0.164767 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.833746621273356 0.9911667551078945 0.15445727143661403 S1 True

147

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.56151487 0.07628535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.935020874898838 1.0 0.28750687812053755 S1 True

148

[ 0.52713231 0.02703195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.915139357567657 1.0 0.2809665341666117 S1 True

149

[ 0.52100715 -0.04462652 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9673987823274561 1.0 0.3988561848733921 S1 True

150

[ 0.57124515 -0.06486024 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.035099909993584 1.0 0.6159498789921043 S1 True

151

[ 0.529359 0.24421105 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5813516096084472 0.886281850848988 0.00293921330410285 S1 True

152

[ 0.5663689 -0.05391063 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0269623166549957 1.0 0.5700422117856845 S1 True

153

[ 0.64662142 -0.0613677 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065085337942222 1.0 0.9289481848711608 S1 True

154

[ 0.720876 -0.08273402 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1432333616863357 1.0 1.4353660716804104 S1 True

155

[ 0.48325837 -0.00583528 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8506919838224982 0.9970476836501445 0.22533589066600104 S1 True

156

[ 0.58031211 0.45726773 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3013301046381207 0.7360329669989601 -0.09941586168823126 S1 True

157

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108392 1.0 0.12730253648292775 S1 True

158

[ 0.48215322 0.13437513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.612854599325049 0.9008610370282789 0.035572630313644146 S1 True

159

[ 0.55737628 -0.12447383 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.044324604815767 1.0 0.7274479387619673 S1 True

160

[ 0.78204888 0.00079979 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1507332074306078 1.0 1.462841894673978 S1 True

161

[ 0.98382051 0.94195724 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9178833832139128 1.0 0.15576149203088177 S1 True

162

[ 0.64789442 -0.09957375 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4141000719767867 1.0 1.0714821230725537 S1 True

163

[ 0.88688673 0.17750972 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.155856034929233 1.0 1.4140112994539482 S1 True

164

[ 0.33333333 0.58504273 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

165

[ 0.53099479 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

166

[ 0.33333333 -0.34415501 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.887569137793599 0.9290283726716349 0.026740575922847228 S3 True

167

[ 0.33333333 -0.28427259 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.813623566801784 0.9830806080896313 0.046135019985289294 S1 True

168

[ 0.35681663 -0.2825296 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8729693158137481 1.0 0.09114563136091765 S1 True

169

[ 0.33333333 -0.19930309 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.676136300911452 0.9321895470861075 0.19483623021883942 S1 True

170

[ 0.38223082 -0.10641437 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.68848279109212 0.9349086297913087 0.1525199795769446 S1 True

171

[ 0.42760186 -0.12309795 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8558548835620758 0.9983299659735019 0.29003162255071757 S1 True

172

[ 0.42434355 0.03359712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5793047662114088 0.8883893891579373 0.04686785829566039 S1 True

173

[ 0.33333333 -0.0882997 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4329597766097577 0.8249577078206499 0.03188101458410207 S1 True

174

[ 0.61656016 -0.11961055 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0636644908385224 1.0 0.9827811397708912 S1 True

175

[ 0.67316172 0.12731709 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.040764954708255 1.0 0.5287794637640779 S1 True

176

[ 0.57947542 0.06423979 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9749623619191805 1.0 0.3583389827227479 S1 True

177

[ 0.33333333 -0.42936842 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9634239316838547 1.0 0.01352625883205691 S1 True

178

[ 0.43151688 -0.23027238 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9685998616843359 1.0 0.3143308611937539 S1 True

179

[ 0.34002963 -0.07890288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4435376025579327 0.8299664626124423 0.032086915953995696 S1 True

180

[ 0.37171665 -0.37609439 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9827221401174506 1.0 0.09095422706607953 S1 True

181

[ 0.50420486 -0.1869186 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.02843719487482 1.0 0.6964781282741302 S1 True

182

[ 0.92650895 0.33701824 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3640458021165247 1.0 1.0933258568048931 S1 True

183

[ 0.42774227 0.13356494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3502402202602095 0.7707688403384944 -0.05136977000365813 S1 True

184

[ 0.38091455 0.0684541 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2660956178905203 0.7273635574324154 -0.05976198654431658 S1 True

185

[ 0.93966457 0.18422833 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1860806980551355 -0.26818691612849993 1.760324680318454 S1 False

186

[ 0.33333333 -0.50351741 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Hit Constraint

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

1.5428915424823542 1.0 0.007776929293826605 S1 True

187

[ 0.6030082 0.13366316 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.958244484254506 1.0 0.3018698174372628 S1 True

188

[ 0.58737208 -0.18686173 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3796024381706413 1.0 1.0864629255527785 S1 True

189

[ 0.7109691 0.14175143 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0565058286870905 1.0 0.6341347525760851 S1 True

190

[ 0.48819874 -0.06422714 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9270311301142162 1.0 0.3423712107466208 S1 True

191

[ 0.42932034 -0.32727341 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.020841529968012 1.0 0.23027516989366434 S1 True

192

[ 0.33333333 -0.00985182 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2119589233634045 0.7022459556916908 -0.054308281041107014 S1 True

193

[ 0.54989258 -0.21468066 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.057382823873369 1.0 0.7699612717272334 S1 True

194

[ 0.33333333 -0.50188077 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5655667414769392 1.0 0.007870678144543928 S1 True

195

[ 0.48169763 0.24840457 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3326487213665719 0.7576010301371743 -0.07323003133154399 S1 True

196

[ 0.63312262 -0.19130183 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1288209139249699 1.0 1.3749961561725743 S1 True

197

[ 0.39334931 -0.45546241 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1470281008901257 1.0 0.12334212755369724 S1 True

198

[ 0.35847532 0.09298551 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0387305584352216 0.5992415481096326 -0.11107331065019241 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

199

[ 0.48877723 -0.28821549 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0469985499852905 1.0 0.414316114989485 S1 True

200

0.9800995024875622

0.09231349157666058

[0.93367995 0.51279271]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69798345 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3433338806516179 1.0 1.202510547290807 S1 True

0

[ 0.6785411 -0.94517828 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31743276410257604 0.9852179826957389 1.0938475573125774 S1 True

1

[ 0.80107285 -0.94090468 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.375882966555963 1.0 1.9210816972009048 S1 True

2

[ 0.70697469 -0.87821315 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3220408131664211 1.0 1.2566083120158933 S1 True

3

[ 0.77763784 -0.84250892 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3564010953169117 0.9965421393894262 1.736317603891994 S1 True

4

[ 0.84306892 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3798926862520495 1.0 2.2983353216823974 S1 True

5

[ 0.67706949 -0.83691358 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.321018970448155 1.0 1.0871658346617703 S1 True

6

[ 0.66853611 -0.74612949 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29697059380554475 0.9758743352397535 1.0438322146838073 S1 True

7

[ 0.9662588 -0.67533378 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3710906619996706 1.0 3.7821825020685784 S1 True

8

[ 0.95664889 -0.73766378 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38882889505495294 1.0 3.6362170541540744 S1 True

9

[ 0.72777925 -0.75102999 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3175631247570111 1.0 1.388781538870273 S1 True

10

[ 0.90559106 -0.85754875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3783472068800534 1.0 2.9653315085625254 S1 True

11

[ 0.97954261 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38060391350649897 1.0 3.96909131190577 S1 True

12

[ 0.69814405 -0.65139458 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3389403200360459 0.8534049908450205 1.2121152655072527 S1 True

13

[ 0.8372445 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3733364764233237 1.0 2.23940405195795 S1 True

14

[ 0.86037584 -0.70828874 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.360101356103363 1.0 2.4749642571772377 S1 True

15

[ 0.90060489 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37949948878129103 1.0 2.9037224581820915 S1 True

16

[ 0.80122437 -0.66595019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3321963835412 1.0 1.9327892951233214 S1 True

17

[ 0.91979263 -0.60099597 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3413927418818086 1.0 3.1627190208308775 S1 True

18

[ 0.62204619 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29660435585184747 0.9815544478592135 0.8152293884527918 S1 True

19

[ 0.88217946 -0.53432522 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3450355637129333 0.9907921000807433 2.735117073842818 S1 True

20

[ 0.81118212 -0.54921588 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.373078817229303 0.9478852421652877 2.0334725278907717 S1 True

21

[ 0.62247072 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2701802082262791 0.9769317811101963 0.8188742322587184 S1 True

22

[ 0.95183442 -0.99630584 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3970158771909513 0.9079958826181894 3.5579910602604192 S1 True

23

[ 0.96502076 -0.55169858 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34677309918531174 1.0 3.792397646726634 S1 True

24

[ 0.57971756 -0.89394167 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.285406679749325 0.9818395052733365 0.640184897511252 S1 True

25

[ 0.81218626 -0.46795395 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36501333249834444 0.635391841547223 2.0658657561864127 S1 True

26

[ 0.95090373 -0.45840067 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3368409952059428 0.9940845049557252 3.6346325683278207 S1 True

27

[ 0.56205857 -0.98981533 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25093793964166433 0.7199433818902253 0.5735982800362242 S1 True

28

[ 0.60097073 -0.74168655 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.300945237005476 0.6562797864022609 0.7275747398856935 S1 True

29

[ 0.99957824 -0.96084896 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.427596526129792 1.0 4.281905626935672 S1 True

30

[ 0.72028528 -0.55414497 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3537341786713594 0.8022275238003626 1.3565239429618463 S1 True

31

[ 1. -0.49738216 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3509505671316625 1.0 4.36706015443241 S1 True

32

[ 0.54882359 -0.82669697 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27327840854797103 0.5916379446492168 0.5278207575024761 S1 True

33

[ 0.97538649 -0.37584127 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34669294482276447 0.9911627160114223 4.086650842635008 S1 True

34

[ 0.99675522 -0.28980594 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3712978955217676 0.9871932883232932 4.664623458443345 S1 True

35

[ 1. -0.2047765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36614695383672397 0.6559863981400929 5.757978081924604 S1 True

36

[ 0.94951205 -0.31785209 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3565795032676154 0.8177580682081946 3.8061426160691134 S1 True

37

[ 0.69365031 -0.52005431 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31778048198006736 0.9658950867147169 1.2006735382106906 S1 True

38

[ 0.6539653 -0.44236503 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6014873261950254 0.3328404388396287 1.0021080725056681 S1 True

39

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.71517019 -0.44912524 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31060448471963825 0.8937382650015566 1.3478177300747025 S1 True

40

[ 0.90962036 -0.32679589 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3399527071645175 0.648076511022358 3.236188554222684 S1 True

41

[ 0.72995352 -0.36482935 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6078884677855564 0.5394935243709134 1.486125295526449 S1 True

42

[ 0.63319527 -0.60244841 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3118102395845213 0.9696252888911608 0.8760047269292064 S1 True

43

[ 0.59949141 -0.5719317 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25311872769027366 0.7439032179750871 0.7297384982114897 S1 True

44

[ 0.55640219 -0.68868187 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2655861809606609 0.9345764486721441 0.5572217914149078 S1 True

45

[ 0.7567488 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3478928858839285 1.0 1.580274812615038 S1 True

46

[ 0.50107014 -0.66574297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24006641472757556 0.5700465336779824 0.3780989458824327 S1 True

47

[ 0.95337941 -0.22299805 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3726614474261694 0.6712117497322253 4.407532219131766 S1 True

48

[ 0.90424317 -0.23793317 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3439113096870731 0.7636777730826207 3.505560121305522 S1 True

49

[ 0.78193468 -0.37241813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32774659846884924 0.8721091367453344 1.8656794843798086 S1 True

50

[ 0.82996486 -0.21522844 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6632188885051727 0.49058663757465526 2.7953261577062496 S1 True

51

[ 0.90854514 -0.15366642 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5638882009788301 0.657992595027256 3.878233874041977 S1 True

52

[ 0.52566979 -0.57083133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.37528731854570363 -0.16116432400913142 0.45840388193196513 S1 False

53

WARNING:root:Hit Constraint

[ 0.86841914 -0.1341794 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4565866506607995 0.3766618773543352 3.134022703606888 S1 True

54

[ 0.52096991 -0.8705608 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25238928633454544 0.6584030794666638 0.4353343463440736 S1 True

55

[ 0.93269944 -0.10439263 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6269742349932863 0.6159271716445276 3.7117721666694403 S1 True

56

[ 0.78836822 -0.2457187 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43387651022156826 0.2999922961718454 2.1561890815262075 S1 True

57

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

58

[ 0.84570542 -0.33900648 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35299455865652113 0.7986421168020301 2.4825088452126756 S1 True

59

[ 0.99676134 -0.12723837 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3498403633491964 0.686235482132434 5.0515865460294265 S1 True

60

[ 0.45647801 -0.78568869 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.15353247694569588 0.84163336323679 0.2540373503389308 S1 True

61

[ 0.48380379 -0.92014162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20916411528712248 0.5743327122275634 0.32523724157374545 S1 True

62

[ 0.42749771 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.10024551583485695 0.8145335671292653 0.18424735628599365 S1 True

63

[ 0.50501923 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21991491427795493 0.984532168574011 0.3858487405946569 S1 True

64

[ 1. -0.05297387 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40666035108828413 0.7043060617191551 4.191569660709815 S1 True

65

[ 0.38525825 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.009858255488969552 0.7038792677031028 0.09459479598768353 S1 True

66

[ 1. -0.85755704 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38347517780073065 1.0 4.292113413376466 S1 True

67

[ 0.43992753 -0.98729473 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16831609393153565 0.9402443753979636 0.21231825076695188 S1 True

68

[ 0.44177947 -0.69501414 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43619972513793004 0.20403634841724935 0.21924628678286343 S1 True

69

[ 0.3632859 -0.87835763 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.018789205143247237 0.8519300297258948 0.05251577744237628 S1 True

70

[ 0.38654266 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13763225199241366 0.9885937603741041 0.09635786919600216 S1 True

71

[ 0.95536629 -0.911813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36946128026208125 1.0 3.609171734063408 S1 True

72

[ 0.33333333 -0.95960308 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.02143418422449274 0.8730755456794325 0.00031546274424326405 S1 True

73

[ 0.61656016 -0.48652747 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5847707509831471 0.26870935460873546 0.8137900663896473 S1 True

74

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

75

[ 0.33333333 -0.85799283 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.11706316754474928 0.7380790577036208 0.0006379802404099099 S1 True

76

[ 0.33333333 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21037984279165017 0.12895320718612682 0.0008831216621190764 S1 True

77

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.87467439 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 0.33333333 0.16743348 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

79

[ 0.66433461 0.41931746 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.99362586 -0.32406773]S3 True

80

[ 1. 0.50610873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 240 [ 0.96112328 -0.54045123]S3 True

81

[ 0.60505799 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 0.33333333 -0.29078484 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 330 [ 0.98088773 -0.32682094]S3 True

83

[ 0.40526743 0.57189405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

84

[ 0.82775521 0.244475 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 1. -0.07572621]S3 True

85

[ 0.55360883 -0.0079614 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 230 [ 1. -0.30745834]S3 True

86

[ 0.7420995 0.72577981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

87

[ 1. 0.81778975 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 200 [ 1. -0.301837]S3 True

88

[ 0.55578635 0.63849729 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

89

[ 0.46963614 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

90

[ 0.88146515 0.6346059 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.98796034 -0.33339823]S3 True

91

[ 0.49745445 0.30611011 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

92

[ 0.68143666 0.12241769 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 190 [ 1. -0.29442468]S3 True

93

[ 1. 0.22184467 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 30 [ 0.35457943 -0.89286034] Hit Constraint -0.7352562902054367S3 False

94

WARNING:root:Hit Constraint

[ 0.33333333 -0.54361825 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 240 [ 0.60359974 -0.5877697 ]S3 True

95

[ 0.95783354 -0.02222858 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6812710514873659 0.46926311705404966 3.277285514093089 S1 True

96

[ 0.73766976 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

97

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29228085649364294 0.976718847480287 0.0002385128895633941 S1 True

98

[ 0.444598 -0.14585518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 1. -0.3081588]S3 True

99

[ 0.88363372 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

100

[ 0.70068544 -0.35877168 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42361495566761914 0.10863560472342808 1.3015498888581245 S1 True

101

[ 0.90559106 -0.07239178 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7794856554604549 0.3645445221263986 3.052691507479183 S1 True

102

[ 0.33333333 0.76184948 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

103

[ 0.33333333 -0.06165065 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 480 [ 0.97533795 -0.33468908]S3 True

104

[ 0.70594332 0.4163295 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8835725606575606 1.0 0.1522898963272278 S3 True

105

[ 0.73059109 0.40596453 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9452637904495511 1.0 0.22184144457717855 S1 True

106

[ 0.70381638 0.36258981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9357074742496 1.0 0.21572868556261818 S1 True

107

[ 0.66175723 0.38910892 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8018961759989507 0.9786317720090049 0.0922534295149372 S1 True

108

[ 0.61849003 0.40594828 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6179015402385368 0.9009314698018344 -0.002235349913804913 S1 True

109

[ 0.60618044 0.35737858 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.665668086851928 0.9215489369622043 0.02269684185908868 S1 True

110

[ 0.75088443 0.32107512 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.027028237450427 1.0 0.4067674486392079 S1 True

111

[ 0.79548671 0.35503425 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0468148481073873 1.0 0.4875148340522804 S1 True

112

[ 0.69239491 0.50278144 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7167082923224621 0.9428434709641123 0.03325674583982349 S1 True

113

[ 0.79109624 0.45407368 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0000311657577536 1.0 0.3088251329306522 S1 True

114

[ 0.62449215 0.26865611 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8641860244830235 1.0 0.1572184190302897 S1 True

115

[ 0.66757654 0.20364568 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0009647000018216 1.0 0.36309405181259974 S1 True

116

[ 0.74519284 0.54718408 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8154870907076213 0.9846247822905759 0.08677373027471075 S1 True

117

[ 0.61579712 0.17436856 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9456302884732488 1.0 0.26980095368521406 S1 True

118

[ 0.57497756 0.42201275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3705464756013175 0.7754715121780489 -0.08070340597043839 S1 True

119

[ 0.79032168 0.57111444 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9000734406901394 1.0 0.15333452455637137 S1 True

120

[ 0.75718379 0.64397353 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.696107344616662 0.9339648780301898 0.015279893274298826 S1 True

121

[ 0.68028843 0.60061354 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4557109385285132 0.8215796790479102 -0.06837224720857497 S1 True

122

[ 0.83651508 0.42417604 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.050420223589528 1.0 0.49576754099900977 S1 True

123

[ 0.87124346 0.49256665 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.050816277067317 1.0 0.48689164425431775 S1 True

124

[ 0.61503713 0.1869936 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9326900127366222 1.0 0.24845301549146506 S1 True

125

[ 0.86747625 0.60159665 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0035128247871254 1.0 0.3008927152450279 S1 True

126

[ 0.76625545 0.23606873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.059882355667078 1.0 0.6278834270378668 S1 True

127

[ 0.83360798 0.67464389 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8808140277980325 1.0 0.12916184654797325 S1 True

128

[ 0.90655819 0.51580626 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.060686749692269 1.0 0.5656494413833831 S1 True

129

[ 0.90559106 0.65843288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.014377567376775 1.0 0.3231289462113714 S1 True

130

[ 0.95428286 0.57940454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065465694031344 1.0 0.6161001932818467 S1 True

131

[ 0.64146263 0.59882964 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2446728970776542 0.7021777036403608 -0.11838650730202635 S1 True

132

[ 0.85768015 0.76693021 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8234592316139278 0.9883222269498723 0.08116854599872762 S1 True

133

[ 0.90559106 0.79696574 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9056223186624237 1.0 0.14717484362395913 S1 True

134

[ 0.96584424 0.48714209 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0730461754452714 1.0 0.8726977238797176 S1 True

135

[ 0.88530072 0.40010321 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.06966289766487 1.0 0.7283508073493585 S1 True

136

[ 0.72655009 0.70211039 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.433156841566671 0.8083581957276417 -0.0781676398716393 S1 True

137

[ 0.96658033 0.67050887 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.054046478122527 1.0 0.48922185606580676 S1 True

138

[ 0.57726038 0.16573761 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8737219024783953 1.0 0.18879117785754693 S1 True

139

[ 0.53054528 0.18890651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.696621392805617 0.9351989667903081 0.0628914483901656 S1 True

140

[ 0.69100833 0.13841213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0481379527110466 1.0 0.5675765764945888 S1 True

141

[ 1. 0.58219051 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072555527791003 1.0 0.7964120415352747 S1 True

142

[ 0.95433728 0.81013397 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9809488727134603 1.0 0.24439797145873904 S1 True

143

[ 1. 0.44303636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2954255588291728 1.0 1.1731362508258802 S1 True

144

[ 0.8145566 0.80223935 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6105959480457295 0.8967837299931766 -0.025254786325141543 S1 True

145

[ 0.99601728 0.50287816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072378868253798 1.0 0.9774410179248402 S1 True

146

[ 0.53834017 0.34070572 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3916361295056872 0.7884805452570604 -0.06845767400404852 S1 True

147

[ 1. 0.79422628 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.037906612266196 1.0 0.39171895765243037 S1 True

148

[ 0.93705275 0.88105283 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.881665813419202 1.0 0.12245849117861418 S1 True

149

[ 0.5711305 0.09716726 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9337091586501056 1.0 0.27794338549346137 S1 True

150

[ 0.83259833 0.27245636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070644564108187 1.0 0.8136183629584698 S1 True

151

[ 0.88640791 0.2572038 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3248927894048939 1.0 1.1255361287860544 S1 True

152

[ 1. 0.40950249 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2107424672606555 1.0 1.281919597866122 S1 True

153

[ 0.90450505 0.95612601 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6634098609482113 0.9197039071973014 -0.00749836859976278 S1 True

154

[ 1. 0.88380394 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9931588717517563 1.0 0.26423601582061046 S1 True

155

[ 0.93398767 0.27252875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1568172047264018 1.0 1.3542103689346217 S1 True

156

[ 1. 0.5961534 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072081360709275 1.0 0.7642565661133718 S1 True

157

[ 1. 0.83316872 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0215568149757646 1.0 0.3336767652970223 S1 True

158

[ 0.86112266 0.97283072 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4295768882346669 0.8055294292042258 -0.08438953746699357 S1 True

159

[ 0.71139939 0.0930174 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0643593778353035 1.0 0.7591539871607251 S1 True

160

[ 0.52185785 0.08480336 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8341854817587542 0.9909800874870436 0.1773806540648486 S1 True

161

[ 0.97253098 0.95487364 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8783035387930582 1.0 0.11794134184973547 S1 True

162

[ 0.64352945 0.05818113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0434374319830177 1.0 0.579109443375673 S1 True

163

[ 0.80017118 0.14965901 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070344782353765 1.0 1.0095604923641488 S1 True

164

[ 0.76494491 0.16700761 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0682244107461627 1.0 0.7919716069643125 S1 True

165

[ 0.76301047 0.8062983 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3494606539047256 0.760571815158099 -0.10151141205067592 S1 True

166

[ 1. 0.30796516 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1780245845450885 -0.20853327761041085 1.6660361588992059 S1 False

WARNING:root:Hit Constraint

167

[ 1. 0.94622832 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9449967964066892 1.0 0.18707854368318919 S1 True

168

[ 0.54816783 0.01779953 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9619463793100822 1.0 0.355293932638148 S1 True

169

[ 0.50593078 0.29324363 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.343457584191088 0.7625593653303215 -0.07581863548277551 S1 True

170

[ 0.6257727 -0.0119651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0518112355823606 1.0 0.6878735694985183 S1 True

171

[ 0.70353129 0.01391419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068295601713286 1.0 0.9584712475382462 S1 True

172

[ 0.80563704 0.12320271 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3284607383372655 1.0 1.1259760630792117 S1 True

173

[ 0.78545975 0.19375671 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0693726751383075 1.0 0.8109984658057892 S1 True

174

[ 0.90559106 0.3827188 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0724403888599894 1.0 0.8597566468722453 S1 True

175

[ 0.50352402 0.00756297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8843807808392397 1.0 0.25335237578534214 S1 True

176

[ 0.48037308 0.16906468 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5289976282464566 0.8645244051937523 -0.0036523317933485834 S1 True

177

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

178

[ 0.54680906 -0.03180119 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9948499627012322 1.0 0.45196481095645 S1 True

179

[ 0.4932645 -0.07762741 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9484140054377737 1.0 0.38404595579254386 S1 True

180

[ 0.67676921 0.67241371 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2358674278033075 0.6965066602738166 -0.12259998803244823 S1 True

181

[ 1. 0.7644325 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0473561279818746 1.0 0.4390860897641399 S1 True

182

[ 0.94010925 0.50421546 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0702146331081246 1.0 0.7191959745587824 S1 True

183

[ 0.45974022 -0.01966509 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8043196734686884 0.9789002716594192 0.19169020075287505 S1 True

184

[ 0.46424839 0.26063028 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1909462198879106 0.6778089663574405 -0.10607008024716431 S1 True

185

[ 0.608086 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

186

[ 0.33333333 0.44375524 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

187

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

188

[ 0.33333333 -0.30018925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8350171805324522 0.908229994255806 0.039545996016925024 S3 True

189

[ 0.34106722 -0.24000307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7720747060477133 0.9680223669851326 0.09088615681993925 S1 True

190

[ 0.42774227 -0.1250223 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8586087064242762 0.9993586484594132 0.2940658021782833 S1 True

191

[ 0.35898995 -0.13847644 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6600421519567827 0.9245788926454652 0.15193277204842728 S1 True

192

[ 0.38895538 -0.01407543 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5260465866333337 0.8671412415026873 0.04007985992402532 S1 True

193

[ 0.33333333 -0.07797409 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4063413447808084 0.8104709074380659 0.01935545095892613 S1 True

194

[ 0.35000398 0.01684933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2335142767451848 0.7123342336337313 -0.055900382782899036 S1 True

195

[ 0.37028529 -0.2688256 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8888607103430153 1.0 0.1262914403659374 S1 True

196

[ 0.33333333 -0.38436113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9273255869577417 1.0 0.01921870092863101 S1 True

197

[ 0.52513412 -0.12153698 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.019199905387911 1.0 0.5928046251746396 S1 True

198

[ 0.65588131 0.22486477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9705585798550305 1.0 0.29539937802289834 S1 True

199

[ 0.42774227 0.13676964 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3413221099277928 0.7657718970792348 -0.054272041504218445 S1 True

200

0.9850746268656716

0.10946543711533278

[1. 0.5961534]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69649996 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32556232974033644 1.0 1.1939312295595335 S1 True

0

[ 0.79319056 -0.92564788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39749345298184124 1.0 1.8568935605131909 S1 True

1

[ 0.66878359 -0.94401155 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.306024298342875 0.9808331013348496 1.0418260069562415 S1 True

2

[ 0.7674332 -0.88126215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33645834848687445 1.0 1.6589445019604763 S1 True

3

[ 0.80244166 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38388282825499837 0.9986645030843101 1.9350907844934733 S1 True

4

[ 0.87167265 -0.84245129 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36758074774681787 1.0 2.5853311538751163 S1 True

5

[ 0.96353818 -0.72256585 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38750606762050893 1.0 3.7366901637066823 S1 True

6

[ 0.91586219 -0.71670274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36358793292432756 1.0 3.0975867266285952 S1 True

7

[ 0.95789453 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37586100951854934 1.0 3.669848252473732 S1 True

8

[ 0.86578346 -0.68110327 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3722250498168251 1.0 2.532991853162435 S1 True

9

[ 1. -0.56939534 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3745990199805276 1.0 4.334008756510842 S1 True

10

[ 0.62545423 -0.93381097 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30842005745434853 0.8796020718420352 0.8309006959600248 S1 True

11

[ 0.81259022 -0.67594387 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33862609177422925 1.0 2.0283726606039147 S1 True

12

[ 0.92940165 -0.8607197 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38037640214317797 1.0 3.260212817708058 S1 True

13

[ 0.98447688 -0.84300083 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38790170645691796 1.0 4.043838402893005 S1 True

14

[ 0.85120059 -0.58799561 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3420539883366142 0.9944269656740118 2.3973752560932824 S1 True

15

[ 0.76239822 -0.69609307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3321306717598568 0.9810426420049945 1.6284221772005507 S1 True

16

[ 0.8173356 -0.5274674 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36823090378544127 0.9869872457738087 2.0924358658375035 S1 True

17

[ 0.86503244 -0.49365683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33119178453109455 0.9615914005121309 2.5639097209670707 S1 True

18

[ 0.75708576 -0.56335298 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34180024230031353 0.6210617111407485 1.603432331619406 S1 True

19

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.82998236 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3680529229551298 1.0 2.172137197297984 S1 True

20

[ 0.90559106 -0.97974589 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4025278334773975 1.0 2.9626931768497604 S1 True

21

[ 0.95561033 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3858322056275949 1.0 3.610894540512394 S1 True

22

[ 0.71029459 -0.75113245 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32579136642426815 0.9929851303521869 1.2794858546557775 S1 True

23

[ 1. -0.475734 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34969034039715063 1.0 4.38114501063587 S1 True

24

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

25

[ 0.94821033 -0.42879436 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3455496585463723 0.9830892242895067 3.6193687582413694 S1 True

26

[ 0.60101695 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30096803808070866 1.0 0.724755880144888 S1 True

27

[ 1. -0.38080515 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.352458573408019 0.991211099142833 4.483451847855533 S1 True

28

[ 0.56539759 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2617476700317244 1.0 0.5857362910953932 S1 True

29

[ 0.97437672 -0.30011791 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36831724791200293 0.9265408223381788 4.244606481819042 S1 True

30

[ 0.91482159 -0.34287253 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3673420445904669 0.6540732705610074 3.273483880850766 S1 True

31

[ 0.6594181 -0.76722487 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29504291503120367 0.9789301629504054 0.9961226669150182 S1 True

32

[ 0.629786 -0.707323 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3678897360601456 0.635662917531525 0.8546266366231239 S1 True

33

[ 0.81118212 -0.44417898 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35924076585278863 0.7285501332248121 2.0673511072069783 S1 True

34

[ 0.52086745 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24011137612589548 0.9884127868954703 0.4343502095559072 S1 True

35

[ 0.99949291 -0.23859396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3707457156006149 0.7109133276000511 5.04976956034315 S1 True

36

[ 0.6846432 -0.65384266 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33221676993210403 0.6064026258018933 1.1350411144531694 S1 True

37

[ 0.54850693 -0.93286401 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24699851788237334 0.9937239867702585 0.5258544613408925 S1 True

38

[ 0.48053213 -0.9497627 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.19182112728093295 0.9575706794938873 0.31610429058958917 S1 True

39

[ 0.51682678 -0.84909867 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25605466593292703 0.8785487652888647 0.4225604132462814 S1 True

40

[ 0.56715644 -0.76185565 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29037644311785404 0.9593696773542204 0.5944639190597615 S1 True

41

[ 0.84535837 -0.35389393 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.359419976383789 0.7873910103103445 2.459612016824818 S1 True

42

[ 0.81151923 -0.30835296 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3886166587050833 0.8052862437327677 2.1984383526300957 S1 True

43

[ 0.80755368 -0.21922766 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43806926061257756 0.3191660181727135 2.50910785533171 S1 True

44

[ 0.97136832 -0.21188643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37226302495874897 0.6644148389532718 4.930844802151873 S1 True

45

[ 0.52289501 -0.73597197 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2385291356987205 0.9318620771052688 0.4431603372102676 S1 True

46

[ 0.46299743 -0.84220285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1936602098601422 0.9545694492801869 0.27013045467407165 S1 True

47

[ 0.76500644 -0.43353568 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3427599460734014 0.8542784238417842 1.6969054185008663 S1 True

48

[ 0.74828693 -0.30826917 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4262189599051879 0.31223117772152637 1.6738122164512061 S1 True

49

[ 0.43872655 -0.75827036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.10095868689399148 0.7269206937802297 0.21093037732067815 S1 True

50

[ 0.4481129 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16537865506234975 0.9607915597599137 0.2320284419104615 S1 True

51

[ 0.40627518 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21567342345966012 0.8895717548311823 0.13673961920066868 S1 True

52

[ 0.90956627 -0.24227731 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3496770693331525 0.7559378279877723 3.547654115233872 S1 True

53

[ 0.45457446 -0.67816877 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.434719427819347 0.19045450865370314 0.2510472258224346 S1 True

54

[ 0.92134342 -0.15658007 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40391242434354035 0.7170158257797319 4.1086076197244426 S1 True

55

[ 0.70810985 -0.52087496 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.341912512410898 0.9182240896422846 1.2863954302541485 S1 True

56

[ 0.6632299 -0.47361485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5072000367549008 0.6566620416644904 1.0421814944721002 S1 True

57

[ 0.64047489 -0.54405068 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2953067092019578 0.87136274431545 0.9161496385730427 S1 True

58

[ 0.57928151 -0.58673709 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2755201143842617 0.6804148438212965 0.6473195947599668 S1 True

59

[ 0.76233042 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36063568265801027 1.0 1.6203044073215433 S1 True

60

[ 0.58060848 -0.51603685 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.39058360393311486 -0.020723056422140666 0.659131075662095 S1 False

61

WARNING:root:Hit Constraint

[ 0.38818205 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.005266410016329024 0.7163434565781015 0.1003880330912014 S1 True

62

[ 0.37038412 -0.90986478 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.04331145993311921 0.8671775385537941 0.06551440649852724 S1 True

63

[ 0.36397599 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.09055330760327217 0.4260758939634938 0.05414339160442051 S1 True

64

[ 0.52450984 -0.61583158 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.433854399814626 0.36855222880132593 0.4521309979735569 S1 True

65

[ 0.90559106 -0.08609963 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44349988968710724 0.4064551128588087 3.17131525465611 S1 True

66

[ 0.87886227 -0.12926378 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4368105550934428 0.4188618069591409 3.2211204812539362 S1 True

67

[ 0.94897349 -0.09086065 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5766327609217218 0.6509232632534256 3.81012461742744 S1 True

68

[ 1. -0.11237462 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.350938280735173 0.6899059156451259 4.912214884915957 S1 True

69

[ 0.33333333 -0.96168044 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.05468078134952575 0.878036878753915 0.0003109579362054709 S1 True

70

[ 1. -0.0299974 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44389829510645956 0.687773654907914 3.945319773434573 S1 True

71

[ 0.66443245 -0.4181249 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.413260226436622 0.23764218566327536 1.0643539367655828 S1 True

72

[ 1. -0.92303419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38234198770845856 0.9302252576448665 4.289778202190648 S1 True

73

[ 1. -0.77324615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3964898355140558 1.0 4.297213766095159 S1 True

74

[ 1. 0.03306861 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7552407907032413 0.5103916889651767 3.348121943550738 S1 True

75

[ 0.92309342 -0.54237083 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33989397125070747 1.0 3.2198502966235814 S1 True

76

[ 0.33333333 -0.80831382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21105520544879294 0.10182786140980389 0.0009009114396777799 S1 True

77

[ 9.68962366e-01 5.00106521e-04 -3.26512176e-01 -7.02326720e-02

7.87589262e-01 2.55935451e-03 -5.15983875e-03 4.84641007e-02]0.44126193979197903 0.455682509967703 3.2242621793390462 S1 True

78

[ 0.70930167 -0.85810953 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.330962009372489 0.8177400088079871 1.270895188203624 S1 True

79

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.84449835 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.33333333 0.1618227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 0.67725916 0.44959811 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.76344924 -0.51791453]S3 True

83

[ 1. 0.56798908 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072925897418921 1.0 0.8300636612614217 S3 True

84

[ 0.97398011 0.57603824 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069916339106849 1.0 0.7002488910229357 S1 True

85

[ 0.98944372 0.62548072 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068254651764346 1.0 0.6574891905608311 S1 True

86

[ 0.99588777 0.4845947 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0714181071849933 1.0 1.0273493840657788 S1 True

87

[ 0.94817274 0.64780304 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0506826057435075 1.0 0.46778826383251254 S1 True

88

[ 0.95576247 0.73704265 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.025034393250391 1.0 0.34885760968234586 S1 True

89

[ 0.91394388 0.7421455 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9714173121791712 1.0 0.23139847676408837 S1 True

90

[ 0.87600256 0.71353357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.930432956608971 1.0 0.17718543414878224 S1 True

91

[ 0.95422331 0.46687024 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072952234008174 1.0 0.8699293684873785 S1 True

92

[ 0.90559106 0.51527959 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.060450455643844 1.0 0.5631934711770699 S1 True

93

[ 1. 0.78872121 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.039874937198568 1.0 0.4002716341074593 S1 True

94

[ 0.85073658 0.58252351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9945777333286228 1.0 0.2833173105206138 S1 True

95

[ 1. 0.86963563 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0020334619900377 1.0 0.2830149901261645 S1 True

96

[ 0.92507016 0.84392253 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8968434819956739 1.0 0.13719990123908868 S1 True

97

[ 0.82726544 0.68929566 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8464029744747603 0.9981322879301314 0.10058657439144827 S1 True

98

[ 0.86353697 0.81796802 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7636780445120728 0.9627589647920972 0.04313527889987444 S1 True

99

[ 0.81118212 0.55603175 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.955442191485795 1.0 0.21942531744294752 S1 True

100

[ 0.76637212 0.56049015 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8553066905022213 1.0 0.11480479016742606 S1 True

101

[ 0.99204621 0.94975733 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.926625390536743 1.0 0.16511229876034547 S1 True

102

[ 0.80320109 0.79624391 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5746407601693195 0.8808986572418896 -0.037946646992348274 S1 True

103

[ 0.94973569 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7479149264069538 0.9560378851767024 0.03112227796553499 S1 True

104

[ 0.76663376 0.48383926 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9402824909243652 1.0 0.2059112283469052 S1 True

105

[ 0.72649132 0.49264284 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8393010800234162 0.9946630018720315 0.10789067811375373 S1 True

106

[ 0.8754342 0.446459 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0617460556471436 1.0 0.5895258664003726 S1 True

107

[ 0.84163077 0.89947863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5146171131451291 0.8537224116066056 -0.05940951074883555 S1 True

108

[ 0.71510816 0.59187237 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6337960417932498 0.9072391779999524 -0.008837388313696218 S1 True

109

[ 0.79212722 0.3875326 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.033897736931907 1.0 0.4182708272368492 S1 True

110

[ 0.7345173 0.37127646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.979413106672659 1.0 0.2802724951448977 S1 True

111

[ 0.74399412 0.28877123 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.034568263621316 1.0 0.44305549443561854 S1 True

112

[ 0.87736007 0.35032718 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071476795562442 1.0 0.8142543611963466 S1 True

113

[ 0.72274982 0.69338955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4360180977880248 0.8100173062899437 -0.07713862208895868 S1 True

114

[ 0.77746335 0.24939894 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0614344303093506 1.0 0.6407626797757363 S1 True

115

[ 0.71435687 0.25159565 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.025176101532243 1.0 0.418023021227096 S1 True

116

[ 0.67753636 0.52945594 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6072029922885676 0.8958283459492012 -0.01566559339721277 S1 True

117

[ 0.84393298 0.24432885 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071646637076533 1.0 0.9435536080987769 S1 True

118

[ 0.67559882 0.3872922 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8436386128028859 0.9962041652762565 0.1221799963336719 S1 True

119

[ 0.88529866 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4829695968448944 0.8356779983537714 -0.07010239543540056 S1 True

120

[ 1. 0.38993694 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1608125401652472 1.0 1.3492143794030564 S1 True

121

[ 0.65073679 0.29806493 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8920277982061218 1.0 0.17769959812374414 S1 True

122

[ 0.66911206 0.23845066 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9801652214708372 1.0 0.3093599407140476 S1 True

123

[ 0.63814855 0.41139162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6849547676684156 0.9295488460291377 0.02580401349103853 S1 True

124

[ 0.72232423 0.17614535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0543218290694982 1.0 0.5975669364247238 S1 True

125

[ 0.65972334 0.59452849 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.363228857043028 0.7695674230264037 -0.09208084829273404 S1 True

126

[ 0.66330617 0.13824616 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.02948844658476 1.0 0.47267420303481955 S1 True

127

[ 0.61925016 0.23980513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8861782302080976 1.0 0.1832610965264059 S1 True

128

[ 0.84642689 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2721552688382516 0.7158582394012645 -0.12112162522148044 S1 True

129

[ 0.75791662 0.81445186 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2970598172918715 0.730697626814786 -0.11334405692963735 S1 True

130

[ 0.92504693 0.32550548 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3265781834700823 1.0 1.1211356195550635 S1 True

131

[ 0.87701311 0.20012873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2013208755162668 1.0 1.2665294326652474 S1 True

132

[ 0.59144734 0.35177277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6177161822934247 0.9011192584418515 0.0031518527461752485 S1 True

133

[ 1. 0.85604349 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0098487387747648 1.0 0.30149842290517304 S1 True

134

[ 0.61550086 0.12887814 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.981005782959095 1.0 0.3445509037429955 S1 True

135

[ 0.68019463 0.68271256 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.225243575905499 0.6903363445915716 -0.1249862870600174 S1 True

136

[ 0.5684484 0.15758296 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8619105760711103 1.0 0.18005775417725578 S1 True

137

[ 0.77921586 0.14457042 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0705177801699532 1.0 0.9208598252534643 S1 True

138

[ 0.70044338 0.07342238 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.063917931946825 1.0 0.7656316440122591 S1 True

139

[ 1. 0.3096229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1771371021517503 -0.20500008059568947 1.6590144338175619 S1 False

WARNING:root:Hit Constraint

140

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.80401182 0.41103997 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.034058256965557 1.0 0.41462144732283895 S1 True

141

[ 0.63024634 0.05744895 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.034695970610633 1.0 0.5334341035577665 S1 True

142

[ 0.70333935 0.08635863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0630217153558514 1.0 0.7428899514200078 S1 True

143

[ 0.56577549 0.24366937 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7254030221896273 0.9468785469194241 0.0677558481199444 S1 True

144

[ 0.60949755 0.49997113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.346369505675429 0.7609325039368622 -0.09157014081738642 S1 True

145

[ 0.81636744 0.26370463 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0692217194606255 1.0 0.7649703439242824 S1 True

146

[ 0.94522258 0.29699881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1584514588418702 1.0 1.33579355059954 S1 True

147

[ 0.93977838 0.72413215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.015835405644529 1.0 0.32283254732242944 S1 True

148

[ 0.58042867 0.05638084 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9819382367669636 1.0 0.3758647409673897 S1 True

149

[ 0.74778021 0.83327381 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1769511088086615 0.6616063543617154 -0.13734385210305514 S1 True

150

[ 0.56835467 0.1419297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8806643451248866 1.0 0.20201846292140035 S1 True

151

[ 0.89615385 0.57643552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0412039701741898 1.0 0.4222992698634063 S1 True

152

[ 0.54016187 0.09950822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8631211962335275 1.0 0.1979941026573447 S1 True

153

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108392 1.0 0.12730253648292775 S1 True

154

[ 0.50309442 0.14292813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.679365034478632 0.9283838394010403 0.0640025601391805 S1 True

155

[ 0.53012574 0.29540856 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4659304089902159 0.8303957531081093 -0.04279585078194445 S1 True

156

[ 0.74169477 0.05320646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069079652122485 1.0 1.0215773165346538 S1 True

157

[ 0.78462922 0.88436896 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2479560490198336 0.7023081614086305 -0.12463631057669998 S1 True

158

[ 5.30853359e-01 -5.05232382e-04 -3.26512176e-01 -7.02326720e-02

7.87589262e-01 2.55935451e-03 -5.15983875e-03 4.84641007e-02]1.948007821021921 1.0 0.34057369974328466 S1 True

159

[ 0.46953635 0.07460026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6806008877270393 0.9294505451723976 0.08172556025598136 S1 True

160

[ 0.4940151 0.01838942 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.847564684992575 0.9959720568321475 0.21252714686298765 S1 True

161

[ 0.99517925 0.95135424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9311973273976306 1.0 0.17027143790522356 S1 True

162

[ 0.53930539 0.38837578 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2618784443733764 0.7148310145031895 -0.10326400809034937 S1 True

163

[ 0.64107042 -0.00515812 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0568276990806322 1.0 0.7318535461200677 S1 True

164

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

165

[ 0.33333333 -0.32321263 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8637370798977146 0.9195874885434923 0.03205609202644681 S3 True

166

[ 0.33333333 -0.26907243 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.791928149810478 0.9753796970853261 0.05396016250936462 S1 True

167

[ 0.35799458 -0.26187501 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8510301240646032 0.996052001805457 0.10588985434613192 S1 True

168

[ 0.3715043 -0.17634013 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.769916791912387 0.9665229520162384 0.2455053284639348 S1 True

169

[ 0.42774227 0.03750145 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5856804986144857 0.890985443151316 0.04840201908350784 S1 True

170

[ 0.42774227 -0.11405782 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.844707261715175 0.994160903064518 0.2734838491157176 S1 True

171

[ 0.35912117 -0.06464407 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5031319658709184 0.8590493869884658 0.04845747784266712 S1 True

172

[ 0.55129187 -0.03612838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.00290179570655 1.0 0.47607545318591515 S1 True

173

[ 0.42064399 -0.22610447 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9478047136173193 1.0 0.2929371932308515 S1 True

174

[ 0.48271497 -0.17474921 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.001417668517488 1.0 0.5791832688617462 S1 True

175

[ 0.39417382 -0.33200697 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9849561340702833 1.0 0.1479725747891437 S1 True

176

[ 0.39521233 0.07917079 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.318870792156017 0.7557451081421853 -0.04891801268293216 S1 True

177

[ 0.43763528 0.16857358 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3075986899625527 0.7460850104711954 -0.06807893508425014 S1 True

178

[ 0.44848519 -0.28604249 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.02086274181522 1.0 0.30005648956190256 S1 True

179

[ 0.64768329 0.20844074 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9704620126850452 1.0 0.2996355984785319 S1 True

180

[ 0.56737796 -0.11666357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0477153614167576 1.0 0.7459318708825533 S1 True

181

[ 0.33333333 -0.01190218 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2183136662016707 0.705854664215576 -0.05229920152131721 S1 True

182

[ 0.68234267 -0.04230794 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0670273794403955 1.0 1.0431549444543964 S1 True

183

[ 0.37487736 -0.40157846 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0009365865203708 1.0 0.09283169099394514 S1 True

184

[ 0.34083576 -0.46878009 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.997013837910662 1.0 0.022813515467436082 S1 True

185

[ 0.53498062 -0.21508222 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0530388633408894 1.0 0.7055406902163874 S1 True

186

[ 0.48076019 0.29358786 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1916300719125728 0.6772215082275365 -0.10940695561778589 S1 True

187

[ 0.42774227 -0.40276971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2584341826944454 1.0 0.20660288403960267 S1 True

188

[ 0.60440839 -0.14483875 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0629557455081846 1.0 1.0134715929106355 S1 True

189

[ 0.33333333 -0.53959791 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0117851185405804 1.0 0.00598312468668655 S1 True

190

[ 0.49348576 -0.32221164 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3183900582988188 1.0 0.408002648684572 S1 True

191

[ 0.40977883 0.16660939 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1406526809288102 0.6529194620146571 -0.10397893357819081 S1 True

192

[ 0.70186218 0.19734162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.036837616012634 1.0 0.4810297149354251 S1 True

193

[ 0.348925 -0.63337723 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.7449338438032669 -2.419510373534628 0.02958083123293175 S1 False

194

WARNING:root:Hit Constraint

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

[ 0.4890211 -0.01406735 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8752808112276498 1.0 0.25321262185920446 S1 True

195

[ 0.9427738 0.39258213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071475255213618 1.0 1.014229393961361 S1 True

196

[ 0.46141264 -0.47591806 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.9810643428733997 -2.0313174092536523 0.27978103145131933 S1 False

197

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.44896253 -0.20291431 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9748869977367272 1.0 0.4710034321627128 S1 True

198

[ 0.33333333 -0.18096109 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6411113846412493 0.9184107769755976 0.16388384277357398 S1 True

199

[ 0.65308598 0.21443188 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9741366899486263 1.0 0.3045429430711161 S1 True

200

0.9800995024875622

0.17353101839612223

[1. 0.56798908]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69548074 -0.98177336 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34918117611179256 1.0 1.1881742978751693 S1 True

0

[ 0.78955464 -0.92913884 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3726415044814528 1.0 1.8277316881279992 S1 True

1

[ 0.75676706 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3644510035261541 1.0 1.580404476309782 S1 True

2

[ 0.82424669 -0.98011412 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3738708597740618 1.0 2.1203810288461575 S1 True

3

[ 0.69935666 -0.90929621 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3135021335125641 0.987262676212164 1.2112293756300092 S1 True

4

[ 0.63557399 -0.93912546 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3065432685868218 1.0 0.8773558049682973 S1 True

5

[ 0.87957665 -0.899316 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41997836434076885 1.0 2.6685319636371774 S1 True

6

[ 0.60333796 -0.9850178 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2921670076859629 1.0 0.7344881356742461 S1 True

7

[ 0.74178474 -0.83760255 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3193189518943817 1.0 1.4787234186456133 S1 True

8

[ 0.9061051 -0.82473608 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3824802694197604 1.0 2.972631261922171 S1 True

9

[ 0.95473664 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39107076008432295 1.0 3.6040931238880978 S1 True

10

[ 0.92803925 -0.71318389 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3798880371124322 1.0 3.251430159847531 S1 True

11

[ 0.70930865 -0.77698095 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3457018149148719 1.0 1.272706908756985 S1 True

12

[ 0.75369392 -0.73276068 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33347536582853426 1.0 1.564186315579029 S1 True

13

[ 0.97574255 -0.61025374 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3706514057301697 1.0 3.9362024537491633 S1 True

14

[ 0.91946909 -0.61260397 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3642150545975081 0.743702985878186 3.1563458762392096 S1 True

15

[ 0.71418221 -0.66874314 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3279133732871404 0.956321132143904 1.3071198617247135 S1 True

16

[ 0.74168325 -0.60000876 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34685005008537206 0.9015032242351309 1.4909335233492427 S1 True

17

[ 0.60680234 -0.87553671 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27559762706989127 0.9979993671910434 0.7498338004809717 S1 True

18

[ 0.90559106 -0.97840227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39865962508589015 1.0 2.962711681840812 S1 True

19

[ 0.61592732 -0.77616091 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3061496507066116 0.6804279731733187 0.790580682869891 S1 True

20

[ 0.55370172 -0.9817161 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2656323090338233 0.9900718500664446 0.5437623378413096 S1 True

21

[ 0.81118212 -0.66368626 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33527496281391833 1.0 2.017285898486112 S1 True

22

[ 1. -0.83124226 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39555225968325164 1.0 4.293396279315765 S1 True

23

[ 0.53616002 -0.90131581 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.227101282292235 0.9702641433887762 0.48420777288034467 S1 True

24

[ 0.81913438 -0.57091191 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3397689760250094 0.9833550854541243 2.099048608922211 S1 True

25

[ 1. -0.55043037 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38592632474627026 1.0 4.341051127494788 S1 True

26

[ 0.84237667 -0.49212469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3663183021165484 0.9872553509282583 2.3356400655080782 S1 True

27

[ 0.82471951 -0.41313962 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3737670657762287 0.7534375343468491 2.206788810983263 S1 True

28

[ 0.50386671 -0.9599724 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22344923031870037 0.9803405555214535 0.38256131362592916 S1 True

29

[ 0.69279705 -0.5857483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3470006482467044 0.8229597692011228 1.1867532997894779 S1 True

30

[ 0.77931081 -0.44635276 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35619901969033496 0.8269498399435002 1.801300820930199 S1 True

31

[ 0.63615414 -0.63252713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32264834561873 0.9778484231833998 0.8878103378198229 S1 True

32

[ 0.61889686 -0.56461918 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27672308499250325 0.8338174231317439 0.8140185988213066 S1 True

33

[ 0.64695326 -0.48252299 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5070610089280922 0.5702724279880459 0.9573485337401031 S1 True

34

[ 0.57775432 -0.53200925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5567287457478646 0.23414676681507948 0.6461864734829013 S1 True

35

[ 0.9403279 -0.5142104 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34103385576580114 1.0 3.4573482071130637 S1 True

36

[ 0.96659666 -0.40487215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3482650177764112 0.9843845278132485 3.9124701097413737 S1 True

37

[ 0.92192546 -0.37286759 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36841673613511033 0.9545699944076296 3.321169127745563 S1 True

38

[ 0.95656005 -0.31910704 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36706296012446576 0.9030383627512258 3.908432706219952 S1 True

39

[ 0.76246244 -0.39148816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3233391047817264 0.8934028174069436 1.70015555798146 S1 True

40

[ 0.93830077 -0.24033075 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3672131057308193 0.6918385759257826 3.9827822333695853 S1 True

41

[ 0.76087543 -0.28405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42974197373704864 0.27713384809616315 1.8111963355795713 S1 True

42

[ 1. -0.30292885 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36934841854582684 0.9881712336159563 4.671139297957145 S1 True

43

[ 0.94509013 -0.17277466 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34906099448996797 0.7351063391842306 4.709207116276913 S1 True

44

[ 0.4669072 -0.91966306 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2051179934970821 0.8769497202899459 0.2798076767351799 S1 True

45

[ 0.45854808 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1808279580539176 0.9634239756006814 0.25801953688305784 S1 True

46

[ 0.53764873 -0.80674226 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2724936956524323 0.9649912758526148 0.49004657651359856 S1 True

47

[ 1. -0.17993189 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3954878946967051 0.6632935325244563 5.907708949080413 S1 True

48

[ 0.42106006 -0.95391474 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16792305665962576 0.9906385700833573 0.16897328401958184 S1 True

49

[ 0.70678053 -0.36043683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42116837263623563 0.25477882009988145 1.3381967260347076 S1 True

50

[ 0.50005422 -0.77064397 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22493256583691768 0.9338816624145474 0.37285057664342114 S1 True

51

[ 0.91273448 -0.17351926 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4072379662142534 0.7307744557182269 4.16974312600828 S1 True

52

[ 0.44912575 -0.75803078 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1363857026313261 0.7716249371970924 0.2360618435593381 S1 True

53

[ 0.91679238 -0.07904865 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43736318881958547 0.4417042036738713 3.2511371878133777 S1 True

54

[ 0.99599576 -0.92513276 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38051671245414265 1.0 4.224260021825818 S1 True

55

[ 0.40661378 -0.82582171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.0744173839920041 0.8207173615477159 0.13817706448198536 S1 True

56

[ 0.54838195 -0.68167974 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2524684790226526 0.9021494407501696 0.5292079514400292 S1 True

57

[ 0.5203969 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42063835104389247 0.3853277633264358 0.43873752398790394 S1 True

58

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

59

[ 0.39516133 -0.75665007 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2736474333691147 0.23696671729649182 0.11496060922741116 S1 True

60

[ 0.38045216 -0.98317238 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.156340968712877 0.9719090862730808 0.08447429476557093 S1 True

61

[ 0.86285077 -0.24718701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38617163119515546 0.7625548607235455 2.9205179887435926 S1 True

62

[ 0.83133671 -0.76075169 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3592086747523422 1.0 2.190228918864529 S1 True

63

[ 0.3433061 -0.96045363 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.029026703166317086 0.8999333716284833 0.017012602754283263 S1 True

64

[ 0.46575712 -0.66801369 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.46840709802940644 0.1435459881483452 0.27994643228483235 S1 True

65

[ 0.81858371 -0.22103931 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7501836811997424 0.4257324015480975 2.607410420893041 S1 True

66

[ 0.95940528 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38857726907381507 1.0 3.664817806678887 S1 True

67

[ 1. -0.11283942 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35040302309113525 0.6897326087997082 4.918379664757595 S1 True

68

[ 0.65432773 -0.43212316 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41186757232398485 0.23738706292813208 1.0069652345694093 S1 True

69

[ 0.69669503 -0.47419977 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3090956749286896 0.8954532088364938 1.2280792244416658 S1 True

70

[ 0.36805796 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.0848811038631793 0.30944948115114895 0.06167332733330898 S1 True

71

[ 1. -0.02981782 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4470714914090187 0.6874801318589407 3.9434599096401683 S1 True

72

[ 1. -0.43656422 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3470371794005932 1.0 4.413756082074483 S1 True

73

[ 0.33333333 -0.85644018 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.1161492081316293 0.4592554728349708 0.0006448923356829471 S1 True

74

[ 0.85699679 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36304266485213554 1.0 2.431133065659701 S1 True

75

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

76

[ 1. 0.04881679 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4447431395889398 0.564946263746805 3.2150053773812006 S1 True

77

[ 0.87603129 -0.11408228 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7622848353590673 0.34760238876407257 3.0502155399717115 S1 True

78

[ 0.87971907 -0.65772583 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37345242714924326 0.7537029917293763 2.6839535147566926 S1 True

79

[ 0.83940152 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.15810865 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.5863055 0.63741309 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 1. 0.57420164 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 120 [ 0.8887812 -0.2261547]S3 True

83

[ 0.78425829 0.33905955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 140 [ 1. -0.12125971]S3 True

84

[ 0.57258817 0.03539293 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 1. -0.44874963]S3 True

85

[ 0.33333333 -0.29939285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 180 [ 1. -0.44151834]S3 True

86

[ 0.33333333 0.5794559 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

87

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 1. -0.44570557]S3 True

88

[ 0.64727568 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

89

[ 0.4915913 0.99024435 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

90

[ 0.73811816 0.71222696 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

91

[ 0.6245501 0.34552664 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 1. -0.43146539]S3 True

92

[ 0.50474498 -0.29831606 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 1. -0.11723909]S3 True

93

[ 1. 0.31700358 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 40 [ 0.84235301 -0.19702464] Hit Constraint -0.02192920091916399S3 False

94

WARNING:root:Hit Constraint

[ 0.46568937 0.36692653 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

95

[ 0.41633234 -0.05826039 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 170 [ 1. -0.43721308]S3 True

96

[ 0.33333333 -0.54539992 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 220 [ 0.90559106 -0.21739813]S3 True

97

[ 0.51211407 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23588687293065613 0.9891464236027079 0.4072337111073017 S1 True

98

[ 1. -0.75182618 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3854043083612007 1.0 4.299065711101612 S1 True

99

[ 0.86477885 0.58130286 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 140 [ 1. -0.7455494]S3 True

100

[ 0.99383939 0.06363499 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.8081547441864217 0.4086386067486741 3.0198064256315527 S1 True

101

[ 0.72791334 0.04161623 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069044110215751 1.0 0.9895442280152977 S3 True

102

[ 0.71598366 0.10879715 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.063548149107531 1.0 0.7364796679658351 S1 True

103

[ 0.74411559 0.10919414 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0688933931928175 1.0 0.8590724061319238 S1 True

104

[ 0.6882986 0.03475752 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065191566998754 1.0 0.8220186743014706 S1 True

105

[ 0.66344341 0.1035365 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.042024952766525 1.0 0.5468507447261275 S1 True

106

[ 0.74586755 0.18220963 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0618131253554224 1.0 0.6738364964676206 S1 True

107

[ 0.78189555 0.24630969 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.063252811653168 1.0 0.6651260782890586 S1 True

108

[ 0.77222278 0.31620597 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0444715639852005 1.0 0.48347581389618793 S1 True

109

[ 0.62788451 0.06923839 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.028218822919953 1.0 0.49934001136422335 S1 True

110

[ 0.630372 0.16542781 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9763961716212866 1.0 0.32320299170058386 S1 True

111

[ 0.73011336 0.33887109 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9953890405358048 1.0 0.3173985977587345 S1 True

112

[ 0.66970246 0.32068216 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9090570912138538 1.0 0.191389857941391 S1 True

113

[ 0.67744015 0.40359547 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8264215350235367 0.9889628792223512 0.10741725706882739 S1 True

114

[ 0.59989287 0.26251411 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8053015272408817 0.979784564100312 0.11286860288029675 S1 True

115

[ 0.72045492 0.44265112 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8868480873583058 1.0 0.1523109120128425 S1 True

116

[ 0.57820337 0.14247791 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9024631753902286 1.0 0.2246659735736524 S1 True

117

[ 0.77937705 0.44422323 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9913416225972271 1.0 0.29186985743237903 S1 True

118

[ 0.61568204 0.39356918 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6317430468679495 0.9069450858180148 0.0044787585791013895 S1 True

119

[ 0.74820056 0.53246033 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.84428641556263 0.9969143760155968 0.10836994034594347 S1 True

120

[ 0.55363482 0.06449879 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9311034002398004 1.0 0.28664517141428025 S1 True

121

[ 0.80993924 0.5316366 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9729337371791584 1.0 0.24841358679729825 S1 True

122

[ 0.80570715 0.62465427 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.873703815178212 1.0 0.12573007155057145 S1 True

123

[ 0.55173041 0.22188544 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7140274093782637 0.9422505148598591 0.06557857908733065 S1 True

124

[ 0.81710766 0.3554221 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.057050417790271 1.0 0.5614516677631078 S1 True

125

[ 0.77099059 0.66863052 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.701603412972994 0.9363006744818804 0.016760176123515096 S1 True

126

[ 0.68164268 0.50885113 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6654425372870463 0.9210395487406309 0.009158001168048949 S1 True

127

[ 0.85395601 0.49739423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0392884416584045 1.0 0.42291591170194376 S1 True

128

[ 0.89399547 0.4522802 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.066128917594705 1.0 0.6476367141366879 S1 True

129

[ 0.87413295 0.58610267 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.019042555767921 1.0 0.3418506880231034 S1 True

130

[ 0.86893611 0.31597494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0719973455473712 1.0 0.8646848670200891 S1 True

131

[ 0.5603837 0.07442876 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9346165236247046 1.0 0.2876529680206784 S1 True

132

[ 0.81083106 0.1663964 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0704758897816666 1.0 1.0116726834942955 S1 True

133

[ 0.81120924 0.71242408 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.764952691071589 0.9632819545478529 0.04721620962497718 S1 True

134

[ 0.56891965 0.38097036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4466258566918793 0.8184727663493759 -0.057157538370212535 S1 True

135

[ 0.73637383 0.71987396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.438052286141731 0.811047684242479 -0.07737429214797882 S1 True

136

[ 0.87642752 0.69986348 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9440338559030266 1.0 0.1944364347866092 S1 True

137

[ 0.91955147 0.60558276 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.046626972555518 1.0 0.4472646300460282 S1 True

138

[ 0.95841577 0.54258389 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070092776769235 1.0 0.7096040720953004 S1 True

139

[ 0.97206352 0.4488683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0718067456971827 1.0 1.0049787120031575 S1 True

140

[ 0.81814179 0.80442649 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.620991399565616 0.9013431196963974 -0.02140934226970462 S1 True

141

[ 0.65534066 0.55232723 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4514437000369314 0.8195032102023085 -0.06732875264552686 S1 True

142

[ 1. 0.5161151 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0726065442904016 1.0 0.961661259781185 S1 True

143

[ 0.84986809 0.84049998 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6755276599650786 0.9250036345294307 -0.00023217948251032437 S1 True

144

[ 0.51475912 0.17429379 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.664375788839594 0.9219612868206186 0.05012358101894116 S1 True

145

[ 0.95285718 0.66427054 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0488685371991995 1.0 0.45497985925489004 S1 True

146

[ 1. 0.38459928 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1597513535233994 1.0 1.3680896306500014 S1 True

147

[ 0.90559106 0.8295627 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8677019675392161 1.0 0.11208315894874377 S1 True

148

[ 0.49176094 0.0911081 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7314146125529337 0.9498326007927101 0.1047670251776795 S1 True

149

[ 0.99663101 0.70334222 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0595651011465033 1.0 0.5332168111849308 S1 True

150

[ 0.91323818 0.28679878 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.283129847909764 1.0 1.1796106516848364 S1 True

151

[ 0.89488131 0.9077084 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.71769552478883 0.9431013868096546 0.017526591961336737 S1 True

152

[ 0.76542652 0.37613303 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.014805429031368 1.0 0.35762258207307357 S1 True

153

[ 0.98674901 0.79484752 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0269433264105325 1.0 0.351975693361246 S1 True

154

[ 0.48642591 0.01481179 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8318985629519917 0.9897515844814084 0.2002057763258894 S1 True

155

[ 0.85314374 0.94452631 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4610051898806171 0.8233543686179522 -0.07559526350811042 S1 True

156

[ 0.59944313 0.49464948 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3041440238325637 0.7371467719324526 -0.10098381826560703 S1 True

157

[ 0.86878445 0.19372457 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2203377295149793 1.0 1.24036711481458 S1 True

158

[ 0.55557206 0.00440203 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9828937574586827 1.0 0.4033847080725235 S1 True

159

[ 0.65873482 0.63047148 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2536524873900292 0.7070270084740132 -0.11769672044862478 S1 True

160

[ 0.66716413 -0.01688199 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0655033574167194 1.0 0.8821920172844576 S1 True

161

[ 1. 0.46377155 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3303273191241576 1.0 1.1097412433770573 S1 True

162

[ 1. 0.72194831 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0573301379508946 1.0 0.5114396811331665 S1 True

163

[ 0.45534185 0.06046443 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6528271691864485 0.9183005848189254 0.07194301350376273 S1 True

164

[ 0.73170744 0.77609597 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2551070162764324 0.7068801650035332 -0.1213195630688425 S1 True

165

[ 0.96152991 0.91083615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9035644587327663 1.0 0.14190500816905344 S1 True

166

[ 0.94595272 0.44190873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0728853153797195 1.0 0.8952098834149725 S1 True

167

[ 0.78035122 0.0471915 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.153623677315802 1.0 1.2587141809014224 S1 True

168

[ 0.67362095 0.18059133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0199295051251065 1.0 0.42290909137218435 S1 True

169

[ 0.9238459 0.98630968 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.679769005109708 0.9267672607889638 -0.0009948552244374298 S1 True

170

[ 0.95090122 0.56504004 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0663878912947364 1.0 0.632313520713051 S1 True

171

[ 0.53364403 0.38099968 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2498549022253604 0.708163280518815 -0.10524496075072183 S1 True

172

[ 0.43673849 0.04543192 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6073316065588923 0.8998340672953089 0.05539180503627927 S1 True

173

[ 0.77528328 0.85999821 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2650975903990178 0.7122309015487244 -0.1208128057452185 S1 True

174

[ 0.58938746 -0.06166946 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.045466672547079 1.0 0.6777437222117164 S1 True

175

[ 0.8475553 0.28744351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0713860053645408 1.0 0.8418375466279984 S1 True

176

[ 1. 0.90643152 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9774341297678346 1.0 0.23524294337890314 S1 True

177

[ 0.97110848 0.27007696 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1700504622398291 -0.20588255622124435 1.614874284013811 S1 False

WARNING:root:Hit Constraint

178

[ 1. 0.78559182 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0409229340449118 1.0 0.40517313661120014 S1 True

179

[ 0.46686602 0.1930822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4023050207645107 0.7975083336160798 -0.047285766435798085 S1 True

180

[ 0.74300734 0.18282255 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0607892593931174 1.0 0.6610737642870542 S1 True

181

[ 0.96897087 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.80855084635227 0.9820328623802992 0.0659708761340448 S1 True

182

[ 0.33333333 0.70162524 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

183

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

184

[ 0.33333333 0.43024557 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

185

[ 0.63827465 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

186

[ 0.33333333 -0.27265068 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.797088832829196 0.8931488079255636 0.05195399114482405 S3 True

187

[ 0.33654513 -0.21387425 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7140947318680562 0.9465946267263831 0.1221736898437898 S1 True

188

[ 0.4380175 -0.04678144 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.778912550413145 0.969101725220295 0.1841375772463683 S1 True

189

[ 0.39156105 -0.16281886 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8107246873033809 0.9814427461241393 0.27111813766216836 S1 True

190

[ 0.36571402 -0.08479708 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.578721022841291 0.8910005484445693 0.08720194036928183 S1 True

191

[ 0.38947056 0.05021017 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3672557020506184 0.7832785620207514 -0.029488293282265807 S1 True

192

[ 0.40783806 -0.22922311 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9272313179269491 1.0 0.25402953313425525 S1 True

193

[ 0.36199824 -0.34132434 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9422207638496236 1.0 0.07980069537299993 S1 True

194

[ 0.61809221 -0.07086347 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.05950683401771 1.0 0.8263618484959865 S1 True

195

[ 0.50740682 -0.08666198 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9777436261384276 1.0 0.44704223599155585 S1 True

196

[ 0.33333333 -0.38919897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9316029440757148 1.0 0.018492073003856597 S1 True

197

[ 0.33333333 -0.01230867 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2195695888843212 0.7065634796837827 -0.051899474885141995 S1 True

198

[ 0.4963661 -0.19802225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.026330461910656 1.0 0.6983004737220768 S1 True

199

[ 0.67027853 0.52431484 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5871435340090276 0.887074435248059 -0.022759492475204115 S1 True

200

0.9900497512437811

0.08911247028561634

[0.72791334 0.04161623]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69774749 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30776066612151326 1.0 1.2011430012872715 S1 True

0

[ 0.75179076 -0.96170033 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34751600520501147 1.0 1.545665960100104 S1 True

1

[ 0.66676535 -0.9426737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.317945346572738 0.9904374642359647 1.0312913886923039 S1 True

2

[ 0.83414732 -0.95569517 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36775447660473215 1.0 2.210992113998416 S1 True

3

[ 0.78394347 -0.85852416 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3690732100002607 1.0 1.7846776380092706 S1 True

4

[ 0.71815205 -0.85036463 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3241268722000062 0.9629340280358312 1.3252579344478992 S1 True

5

[ 0.87372534 -0.93739382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36829102604367153 1.0 2.6048977203589576 S1 True

6

[ 0.92077046 -0.90657742 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3784530673207347 1.0 3.149173462206255 S1 True

7

[ 0.9647354 -0.77283459 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37532966403624624 1.0 3.7498564914098247 S1 True

8

[ 0.99080995 -0.80128313 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38944650798717695 1.0 4.146103873409997 S1 True

9

[ 0.94583097 -0.96854603 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3572306969412793 1.0 3.4756327108733736 S1 True

10

[ 1. -0.92705962 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37671969280347484 0.9129698548997598 4.289666430342896 S1 True

11

[ 0.95009039 -0.66606609 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3815948064666539 1.0 3.552189129153313 S1 True

12

[ 0.90559106 -0.74615613 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3838029042849653 1.0 2.9707379393460465 S1 True

13

[ 0.87646838 -0.66979419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36264452739625724 1.0 2.647300279744099 S1 True

14

[ 0.77519626 -0.75846548 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3355787148740875 1.0 1.7203343234734636 S1 True

15

[ 0.81118212 -0.63128194 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33739758008477105 0.9893839366345264 2.0205953237064334 S1 True

16

[ 0.76161168 -0.62829858 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3238100155591854 0.9822358007894494 1.6280031099504373 S1 True

17

[ 0.95013334 -0.5776839 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3787703154118439 0.742389463648164 3.570612415157327 S1 True

18

[ 0.71322031 -0.69909511 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3167079423098676 0.9789835608652154 1.2995031425000305 S1 True

19

[ 0.65639509 -0.82102951 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3301895290455206 0.9978422717369805 0.9796870063183744 S1 True

20

[ 0.67126705 -0.6620223 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33041304269848165 0.6212260186653908 1.0618192971446119 S1 True

21

[ 0.62014882 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3138550648593867 0.9808067669332227 0.8067940182561701 S1 True

22

[ 0.61164905 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2745769045734948 0.9714681303086413 0.7713623847375638 S1 True

23

[ 0.5757176 -0.93660078 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2754142277999154 0.9943797984216836 0.6245738866370706 S1 True

24

[ 0.89584155 -0.56274692 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33907108281427634 1.0 2.8822533161756962 S1 True

25

[ 0.83567677 -0.49922424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3632930364896738 0.9872335515551078 2.2688843511495005 S1 True

26

[ 0.56209724 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28504187087478317 0.6623905523904997 0.5751206153754457 S1 True

27

[ 0.77673089 -0.50240462 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35139616483467867 0.7052288472899145 1.7623736188844088 S1 True

28

[ 0.84772343 -0.42957371 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40441948776716186 0.6344590934299078 2.4178945225290667 S1 True

29

[ 0.54921289 -0.98452513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2543720483001019 0.9880454785899471 0.5280601159041951 S1 True

30

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

31

[ 0.71581666 -0.55864985 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3518044992420231 0.8075012541548944 1.3278118828302732 S1 True

32

[ 0.50314588 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22219894909071478 0.983015370272069 0.38028907905445086 S1 True

33

[ 0.90559106 -0.45917879 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34501852327979693 0.9882374410869353 3.038632936875747 S1 True

34

[ 0.72238054 -0.46686041 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3233312066752361 0.9504783662441147 1.3882582729298232 S1 True

35

[ 0.67257801 -0.47336813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3796983319529204 0.7249284371165136 1.0920629187397275 S1 True

36

[ 0.92132737 -0.39062404 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36834947003433083 0.9878111853703783 3.2920185882069615 S1 True

37

[ 0.71258929 -0.35644107 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.422166014368753 0.2882229736197034 1.3778743536810172 S1 True

38

[ 0.96040044 -0.3584438 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3654117901183493 0.9076376469137013 3.883911904597193 S1 True

39

[ 0.46932833 -0.9623428 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17381555377513663 0.9496927466356562 0.2859857656324678 S1 True

40

[ 0.60623621 -0.70264841 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3164700340521591 0.9385341193755737 0.7508214144615922 S1 True

41

[ 0.42969334 -0.96211171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17054397537622698 0.960654491757885 0.18847538913350026 S1 True

42

[ 0.96995038 -0.28675019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35078549571323303 0.7795935517587168 4.2220411641887 S1 True

43

[ 0.55220473 -0.70170526 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.261515482328046 0.9429954044932548 0.541962168043783 S1 True

44

[ 1. -0.39075795 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3429278288461889 0.9948494211400134 4.468360901138361 S1 True

45

[ 0.60096276 -0.58546031 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26207219850383806 0.8187708584398221 0.7347815674419605 S1 True

46

[ 0.39528543 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13615478455180746 0.9866450079700009 0.11391048647836188 S1 True

47

[ 0.54337095 -0.55535099 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3794898716431393 -0.04673806249733785 0.5184848950405635 S1 False

48

WARNING:root:Hit Constraint

[ 0.92261415 -0.29754283 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3883164430054169 0.6535409155489703 3.479229896866798 S1 True

49

[ 0.42081631 -0.90077149 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13881279379659556 0.9531399917353144 0.16862793100364387 S1 True

50

[ 0.48405859 -0.79312502 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.21153245911697774 0.9334322305793668 0.3269302688545545 S1 True

51

[ 0.48005184 -0.70065396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13996794671880924 0.646558068386075 0.31739971531601713 S1 True

52

[ 0.88875677 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38164214072715 1.0 2.7682016592602836 S1 True

53

[ 1. -0.24074441 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.370467560543459 0.7326121841781884 5.037742192709096 S1 True

54

[ 0.35460456 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.08472449464443722 0.9583813630690386 0.03655875760113943 S1 True

55

[ 1. -0.19275229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39678783113280264 0.659349992209301 6.121469268782516 S1 True

56

[ 1. -0.52616106 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37693335425006447 0.9639722363845079 4.351656261130431 S1 True

57

[ 0.67199816 -0.39529467 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41669348738043094 0.13919067006175986 1.114399589836385 S1 True

58

[ 0.90234548 -0.2471114 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3423501475095074 0.7633514490687114 3.4174141949507617 S1 True

59

[ 0.90559106 -0.13750036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6410419697481967 0.5904081893075929 3.662737993406553 S1 True

60

[ 0.36379851 -0.90121908 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.046040200379225876 0.8229795585269993 0.053362462616027936 S1 True

61

[ 0.85673161 -0.20895764 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6214897121284415 0.6465085456339354 3.217366703344492 S1 True

62

[ 0.99278607 -0.1240854 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3512697474504825 0.6900572601999654 4.933754648737254 S1 True

63

[ 0.41159225 -0.79120026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.06824845702849017 0.7577624869188226 0.14911700666944294 S1 True

64

[ 0.82357858 -0.27882497 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5325149031857085 0.759938687503132 2.377911491774129 S1 True

65

[ 0.80193226 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36555408501646297 1.0 1.9275997453421818 S1 True

66

[ 1. -0.05367372 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3867789301099497 0.7042528073320123 4.199335574084266 S1 True

67

[ 1. 0.03375229 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.755793629091006 0.5084726844197891 3.3422196465640996 S1 True

68

[ 0.80975115 -0.20861441 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5761980036938347 0.28416653116625407 2.670256146338014 S1 True

69

[ 0.33333333 -0.86700704 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.08744270761834474 0.5115931312568376 0.0005992958818642215 S1 True

70

[ 0.40396979 -0.73096755 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30031905256469354 0.005572490901679765 0.13354527894258608 S1 True

71

[ 0.77251889 -0.37878761 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32629994286588665 0.8834878243662081 1.7859083013194745 S1 True

72

[ 9.77771010e-01 8.92598724e-04 -3.26512176e-01 -7.02326720e-02

7.87589262e-01 2.55935451e-03 -5.15983875e-03 4.84641007e-02]0.7543384359515359 0.49218557620895176 3.3351301250170633 S1 True

73

[ 0.85888847 -0.80529827 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3603730757946312 1.0 2.4543765207538075 S1 True

74

[ 0.62726262 -0.49193093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5520701956527096 0.4527086689870138 0.8614175575517752 S1 True

75

[ 0.85173618 -0.14874737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.720135894536788 0.32574705096855006 3.0584123427967436 S1 True

76

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 0.95934868 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3677683278005919 1.0 3.66400829652652 S1 True

78

[ 0.51106454 -0.8783926 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24417401155384297 0.6103585745109918 0.4046196056214247 S1 True

79

[ 0.82967233 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.16248225 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 1. 0.59681508 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0701211319160806 0.9881578302376093 0.7627551379069931 S3 True

82

[ 1. 0.64957872 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0679682068322873 1.0 0.6492021345363048 S1 True

83

[ 0.97782128 0.63072315 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064961431272342 1.0 0.6025386616454205 S1 True

84

[ 0.9629449 0.54694214 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0704771506929887 1.0 0.7186311620390997 S1 True

85

[ 0.93257197 0.6106391 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.052101244820277 1.0 0.48086153686658595 S1 True

86

[ 0.90559106 0.53081861 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0576289130016363 1.0 0.533614096163535 S1 True

87

[ 0.86276945 0.52210747 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0367523272700985 1.0 0.4089835511028967 S1 True

88

[ 0.83875202 0.46443719 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0400862639284947 1.0 0.4313534138317396 S1 True

89

[ 0.81156453 0.52732176 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9785231267542105 1.0 0.25834941589315946 S1 True

90

[ 0.91566373 0.44025414 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071190422541441 1.0 0.7628732870260009 S1 True

91

[ 0.77734413 0.59061013 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8446396295365317 0.997199715360755 0.1045785306866592 S1 True

92

[ 0.74596171 0.55849324 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8011448819009384 0.9785633049591175 0.07660844133148063 S1 True

93

[ 0.96421901 0.71465712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0406622187795946 1.0 0.40813233982132213 S1 True

94

[ 0.76797378 0.45368901 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9681100482552831 1.0 0.24909726720110387 S1 True

95

[ 0.90559106 0.71513454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9790497642664306 1.0 0.24540913821687008 S1 True

96

[ 0.83572838 0.70676944 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8457058258102481 0.997860706735108 0.09929482874934793 S1 True

97

[ 1. 0.47625024 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3856525764981047 1.0 1.072930412462743 S1 True

98

[ 0.89112267 0.79663807 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8725892210011956 1.0 0.11713555227985292 S1 True

99

[ 0.81070644 0.78824057 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.623682395834708 0.9025266777940372 -0.01998054145443895 S1 True

100

[ 0.71677318 0.45443791 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8636932616069677 1.0 0.13067825494428795 S1 True

101

[ 0.68954535 0.54379966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.627387314832278 0.9045608676451001 -0.008749128452346475 S1 True

102

[ 0.87029435 0.87174259 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6936565725945336 0.9327882032922397 0.007071388622450957 S1 True

103

[ 0.65731719 0.49446662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5954627775500294 0.8908222304380962 -0.017805718533261194 S1 True

104

[ 0.74772128 0.66373529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6203866648623224 0.9012695863774782 -0.0172609337393911 S1 True

105

[ 0.81734478 0.37717571 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.05244459221634 1.0 0.5193762537020894 S1 True

106

[ 1. 0.74966898 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.05121789398807 1.0 0.46356722571430237 S1 True

107

[ 0.87255004 0.33938736 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0714784212821464 1.0 0.8204260381594212 S1 True

108

[ 0.83005131 0.27186617 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0704567926001762 1.0 0.8038384901884092 S1 True

109

[ 0.96557961 0.838184 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9769446000789486 1.0 0.23653080596543877 S1 True

110

[ 0.76239233 0.31990186 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0368140183737817 1.0 0.44469711975198983 S1 True

111

[ 0.65765097 0.59522477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3497996435165054 0.7619670319489074 -0.09530626028565599 S1 True

112

[ 0.79385647 0.85973525 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3723741057283994 0.773398975463081 -0.0970919801687314 S1 True

113

[ 0.75599355 0.28891668 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0428044749075136 1.0 0.48167562705518646 S1 True

114

[ 0.67525523 0.37034021 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8646345209789676 1.0 0.1413741590504476 S1 True

115

[ 0.90042555 0.92729792 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7023835856078102 0.9365265732235178 0.009992537968996948 S1 True

116

[ 1. 0.84668527 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.01484872708683 1.0 0.3144976797190463 S1 True

117

[ 0.7428123 0.216064 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0547301651958163 1.0 0.5846083995664598 S1 True

118

[ 0.91068914 0.31110481 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.357485666466293 1.0 1.0876750246666436 S1 True

119

[ 0.96891557 0.92070859 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9088751548781362 1.0 0.14693621288319342 S1 True

120

[ 0.89569003 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.532501037074757 0.8617576810333049 -0.05526297938119756 S1 True

121

[ 0.70413722 0.32704275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.966779592517628 1.0 0.2663417471796954 S1 True

122

[ 1. 0.99331536 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8974884607260079 1.0 0.13442056425004706 S1 True

123

[ 0.62355276 0.4440381 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5576709659505241 0.8744564847221015 -0.027640057950189804 S1 True

124

[ 0.65286373 0.30542873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8885061095451083 1.0 0.1729585115974762 S1 True

125

[ 0.80375073 0.20894855 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070615017523931 1.0 0.8524582769991879 S1 True

126

[ 0.69800889 0.68801543 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.315927294188432 0.7421034877316813 -0.10625510932701723 S1 True

127

[ 0.68643308 0.23641932 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0041069607130617 1.0 0.36125017681287863 S1 True

128

[ 0.97060022 0.34104983 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1594563716157023 1.0 1.3371243134961805 S1 True

129

[ 0.58734334 0.39452964 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5042276362721836 0.8503392123462621 -0.04114356673845622 S1 True

130

[ 0.87102873 0.21161213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.267507632814072 1.0 1.1908281042276403 S1 True

131

[ 0.85364423 0.9818273 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3656433446029272 0.7692609095536791 -0.10036435732640443 S1 True

132

[ 0.61854211 0.54762628 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2606936574504053 0.71184912081831 -0.11298719016229393 S1 True

133

[ 0.61673759 0.24674364 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8719532974394817 1.0 0.16840385821505996 S1 True

134

[ 0.81478889 0.14075014 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.355274253513879 1.0 1.1164114760760822 S1 True

135

[ 0.73046848 0.76231612 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.288834795306591 0.7262461748923655 -0.11403320254236494 S1 True

136

[ 0.62371685 0.15358595 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9752181241293185 1.0 0.324835036082047 S1 True

137

[ 0.71089383 0.12442603 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0595199753908155 1.0 0.6758023548153614 S1 True

138

[ 0.58418124 0.17432569 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8801192458335945 1.0 0.19269086783303838 S1 True

139

[ 0.68797518 0.13254697 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.048053031787911 1.0 0.5697374137414615 S1 True

140

[ 0.61345236 0.07493677 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0116377693006795 1.0 0.4402835544926161 S1 True

141

[ 0.87876775 0.1133156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1661621797730717 -0.3672472772686036 1.6308300952624657 S1 False

WARNING:root:Hit Constraint

142

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 1. 0.26842304 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.198139535251 -0.15296591296225254 1.8420025377123919 S1 False

WARNING:root:Hit Constraint

143

[ 1. 0.73880496 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.053773499406158 1.0 0.4820270115392663 S1 True

144

[ 0.72091908 0.06581468 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0682826876143343 1.0 0.8792762838421033 S1 True

145

[ 0.79469701 0.33786399 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.050895613647423 1.0 0.5176760660421267 S1 True

146

[ 0.83317868 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.190306477401783 0.668729749257102 -0.13700263697017587 S1 True

147

[ 0.54624938 0.23591886 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6677110528106247 0.9229627194976708 0.04037074798775396 S1 True

148

[ 0.86283992 0.57344966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0139805875405346 1.0 0.3290497610090279 S1 True

149

[ 0.7550189 0.84007125 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2015145124598503 0.6757636643290065 -0.13292885738303992 S1 True

150

[ 0.56811207 0.09010369 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9345977458938697 1.0 0.28173424656178153 S1 True

151

[ 0.5186769 0.2841774 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4362595298918515 0.8142034285007119 -0.05015933824909888 S1 True

152

[ 0.68418936 0.00988425 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0664473341874343 1.0 0.8781852058060389 S1 True

153

[ 0.76096838 0.03659271 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.263178956507108 1.0 1.1855034291864197 S1 True

154

[ 0.62824483 0.59943454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1591318301012385 0.6530542717994702 -0.13473204030974942 S1 True

155

[ 0.56629927 0.4497541 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2399279173799607 0.7013224673019954 -0.11208240352336052 S1 True

156

[ 0.7940326 0.32584254 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0534343656211456 1.0 0.5390851933540999 S1 True

157

[ 0.60376156 0.01946737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0284024537986407 1.0 0.5274878712129177 S1 True

158

[ 0.93650753 0.77139019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9831180918849216 1.0 0.24977791836913607 S1 True

159

[ 0.81603433 0.5237532 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9873723397552658 1.0 0.27473700918014593 S1 True

160

[ 0.54516171 0.10484454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8689902855381118 1.0 0.20181908313921598 S1 True

161

[ 0.57399744 -0.04353876 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0291522518709426 1.0 0.5719044485993544 S1 True

162

[ 0.33333333 -0.29807647 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8322726989196778 0.9895926165354816 0.040343812985871995 S3 True

163

[ 0.3480113 -0.24796838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.805012576412996 0.9798050323383201 0.09696307830461408 S1 True

164

[ 0.33333333 -0.19893356 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6754499464745436 0.9319198880350889 0.19419478119510442 S1 True

165

[ 0.33333333 -0.13388096 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5420606098079415 0.8777096650065347 0.09211418350498353 S1 True

166

[ 0.33333333 -0.0429909 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3107250241128756 0.7577708373736076 -0.0203187794719245 S1 True

167

[ 0.37776269 -0.17415709 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7861390369998396 0.972462774950528 0.2571772349103725 S1 True

168

[ 0.51306368 -0.01409206 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9275119659443172 1.0 0.31641373597458544 S1 True

169

[ 0.43323269 -0.0573076 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7801700553764432 0.9696247163351123 0.18974616800234645 S1 True

170

[ 0.48719747 0.08052671 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7337583074187604 0.9508245509907904 0.10911950518624332 S1 True

171

[ 0.51545517 -0.10706123 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0013772373797467 1.0 0.521454260751066 S1 True

172

[ 0.42356982 -0.20855116 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.937917293187578 1.0 0.3531002773330417 S1 True

173

[ 0.46582801 0.19892089 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3811404894843904 0.7857254791283313 -0.05397167229229809 S1 True

174

[ 0.42774227 0.07065598 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5111961651642318 0.8586458262260298 0.010961553174958453 S1 True

175

[ 0.33333333 0.01207599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1418797893433763 0.6622475127919717 -0.07506788122091142 S1 True

176

[ 0.36311876 -0.32277359 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9280208712396807 1.0 0.0872646256746174 S1 True

177

[ 0.4955761 -0.20015488 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0265186229326617 1.0 0.7015827698050465 S1 True

178

[ 0.42774227 -0.31851036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0158036245589246 1.0 0.22989503758776325 S1 True

179

[ 0.63658789 -0.0613876 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0632453457393716 1.0 0.8811522481149312 S1 True

180

[ 0.54336772 -0.2063799 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0546664639396295 1.0 0.7955928786761353 S1 True

181

[ 0.43237538 0.20856898 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1521823725448523 0.6576906874782044 -0.10747828446185156 S1 True

182

[ 0.33333333 -0.39290766 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.934812986424798 1.0 0.017956296643415217 S1 True

183

[ 0.35846314 -0.44786034 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.005711124768073 1.0 0.05599806728772788 S1 True

184

[ 0.47092041 -0.30990487 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0430971721875713 1.0 0.34780759554811 S1 True

185

[ 0.59937023 -0.18086009 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3325250838826683 1.0 1.1276952088903591 S1 True

186

[ 0.68981933 -0.06246269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.295368475188389 1.0 1.1593125356953162 S1 True

187

[ 0.54032823 0.08225882 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.884208073640467 1.0 0.2243399380986116 S1 True

188

[ 0.33333333 -0.37478803 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.91854513168535 1.0 0.02075573870551716 S1 True

189

[ 0.52215121 0.38678284 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1590771658105754 0.6563666233424639 -0.12363689986487257 S1 True

190

[ 0.38250911 -0.02727565 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5264109744912808 0.8676724669526484 0.04448480926074946 S1 True

191

[ 0.42774227 -0.38678548 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8559832011633048 1.0 0.20969974227848726 S1 True

192

[ 0.93519475 0.51467452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068394556036132 1.0 0.6763884467913248 S1 True

193

[ 0.42774227 -0.38286655 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.035959990218085 1.0 0.210529972214216 S1 True

194

[ 0.43447625 -0.19289156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9438520803200043 1.0 0.4597759378416755 S1 True

195

[ 0.69111585 -0.04989752 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3231708620638218 1.0 1.1182648126354877 S1 True

196

[ 0.59416489 -0.15269325 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.061918008443595 1.0 0.990354636608956 S1 True

197

[ 0.39020178 0.14299298 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.087433544907012 0.6239687989447157 -0.11046937908459481 S1 True

198

[ 0.53829664 -0.28662977 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1230366748257867 1.0 0.5818406433558979 S1 True

199

[ 0.48970662 0.33463961 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.116045839296828 0.6330078253138314 -0.12738117190637527 S1 True

200

0.9850746268656716

0.09511870007275185

[1. 0.59681508]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69750693 -0.98619498 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36525702084990014 1.0 1.1998340363279294 S1 True

0

[ 0.74281725 -0.93177039 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34773694324908366 1.0 1.4842574604013818 S1 True

1

[ 0.8260197 -0.84846289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3466352575163228 1.0 2.138567195360338 S1 True

2

[ 0.67864797 -0.93104091 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35178431217388295 0.9867988686973402 1.0945453508759897 S1 True

3

[ 0.80141935 -0.98321237 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36030673100617133 1.0 1.9234931762770149 S1 True

4

[ 0.77602855 -0.81206275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33882356535747626 1.0 1.7248260502942976 S1 True

5

[ 0.62830121 -0.92680091 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30759841760468515 0.7264182600852337 0.8438688836727651 S1 True

6

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.80170497 -0.74217808 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3831796983116249 0.7298187112277839 1.931710854360625 S1 True

7

[ 0.85227555 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3875051315658914 1.0 2.3841089986008317 S1 True

8

[ 0.72378789 -0.80055325 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31703385307526943 0.9987749847443751 1.3617391723056742 S1 True

9

[ 0.89196677 -0.94415159 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.368268400054184 1.0 2.80514730888924 S1 True

10

[ 0.89372829 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3789007388029627 1.0 2.828857885972907 S1 True

11

[ 0.94591927 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3584457402335987 1.0 3.481704735863148 S1 True

12

[ 0.60320236 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29798128494183945 1.0 0.7338550547334102 S1 True

13

[ 0.94726554 -0.6929933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3768314692973867 1.0 3.5095818565705863 S1 True

14

[ 1. -0.80411518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37017563883202137 1.0 4.294990335275098 S1 True

15

[ 1. -0.88317144 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3724658236410787 1.0 4.291071579165245 S1 True

16

[ 1. -0.58523963 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3776942607360072 1.0 4.328839502668911 S1 True

17

[ 0.94966667 -0.56425589 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3770501392536869 1.0 3.5679531383527325 S1 True

18

[ 0.90559106 -0.58005481 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34410755940143295 1.0 2.9930114545524873 S1 True

19

[ 0.95014209 -0.9875703 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38515267042657664 0.9620405749612596 3.5346079558750825 S1 True

20

[ 0.95407266 -0.47987549 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34305619200415927 0.9996406537409159 3.6661822803351383 S1 True

21

[ 0.88692415 -0.48951294 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33223886320595847 0.9853637325909612 2.8044406453952075 S1 True

22

[ 0.9086253 -0.39313948 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37567986492012656 0.969640832647493 3.1276453018847272 S1 True

23

[ 0.73357266 -0.70512195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3189503745854412 0.984671397963187 1.428498506686131 S1 True

24

[ 0.69329687 -0.66513467 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33472648455608794 0.9507690930367663 1.183223030837293 S1 True

25

[ 0.72988523 -0.60437404 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3398681712775706 0.730850101683055 1.411920156404621 S1 True

26

[ 0.97862878 -0.39632789 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33811373119376403 0.985103019176934 4.109222082976421 S1 True

27

[ 0.95251412 -0.30837055 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3685295735688931 0.7686687235388442 3.8764303207163238 S1 True

28

[ 0.8798321 -0.34341357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3635473658603469 0.6993345240953058 2.8458300353093966 S1 True

29

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

30

[ 0.83099172 -0.48376339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35580193605200533 0.9284625462172936 2.230216439293046 S1 True

31

[ 0.7990474 -0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3570595780703412 0.7967308479713491 1.9680244373631695 S1 True

32

[ 1. -0.30678769 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37091960831178 0.9484436276831593 4.657568257725979 S1 True

33

[ 0.64971566 -0.65900717 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3761774041142319 0.77107937527433 0.951653417667527 S1 True

34

[ 0.65699404 -0.58957175 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32624875342909293 0.9766873970692376 0.9929679261030978 S1 True

35

[ 0.61706719 -0.52679407 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.46660812366227333 0.6049357539078404 0.8100645633002886 S1 True

36

[ 0.78521038 -0.34976141 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3528005870546849 0.8486973409254575 1.9130279421041818 S1 True

37

[ 0.74550052 -0.41244056 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3206904120117795 0.9008068935723978 1.5649008269918834 S1 True

38

[ 0.70894904 -0.33596146 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6277918177468655 0.1138539334375542 1.3713903989640162 S1 True

39

[ 0.99147678 -0.23304532 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36090544312931205 0.6522076588327526 4.9587314032189465 S1 True

40

[ 0.5975973 -0.59070991 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2672928833438662 0.8226165166573303 0.7203929475609974 S1 True

41

[ 0.55659959 -0.61211415 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24297881546782543 0.6604143295288005 0.5611394521185602 S1 True

42

[ 0.56223571 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2563867835925667 1.0 0.5742023331445234 S1 True

43

[ 0.54956943 -0.93700634 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24886040200838047 0.9941869515334526 0.5295158150947178 S1 True

44

[ 0.5594694 -0.84098101 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27411824896910225 0.5723189067471615 0.5652611325465008 S1 True

45

[ 0.50974325 -0.9255153 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22420888455330354 0.968618524499703 0.40032531804546945 S1 True

46

[ 0.49761606 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22342260117168197 0.9797164977206557 0.36408611108345756 S1 True

47

[ 0.49783115 -0.84269736 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25864083192610937 0.9907191733317678 0.36554180386842783 S1 True

48

[ 0.45611477 -0.86249385 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29509423593683165 0.9617464721445813 0.25245530483945666 S1 True

49

[ 0.47496255 -0.7554656 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17000093950007802 0.8286919143361897 0.30258105105934197 S1 True

50

[ 0.41210162 -0.88699692 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11650451849635636 0.9259056078739633 0.1495707856747436 S1 True

51

[ 0.40066064 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.06575296980555398 0.8053806866068547 0.12578158579448231 S1 True

52

[ 0.85123753 -0.27301322 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3543123134307403 0.7859124845377446 2.6820624825441706 S1 True

53

[ 0.83265282 -0.16933285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7655551280258424 0.28220293686721903 3.0097506612645666 S1 True

54

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.7853023 -0.24924632 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43386764456729876 0.2940886561649039 2.1141713269136786 S1 True

55

[ 0.4106532 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1426209008451267 0.7983735180377229 0.1460782539125002 S1 True

56

[ 0.51365685 -0.60173004 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3691253972613126 -0.00602934029381684 0.4186578432029317 S1 False

WARNING:root:Hit Constraint

57

[ 0.37167941 -0.95988642 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.0387652263194169 0.9465290561367025 0.06779445584834591 S1 True

58

[ 0.90559106 -0.23962092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34642776067062997 0.7618654700968143 3.5115773014886313 S1 True

59

[ 0.62672983 -0.80150828 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28601260725778865 0.9759088139392254 0.8382352928091144 S1 True

60

[ 0.65596865 -0.43467483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.411568596963509 0.2844493992071169 1.014617505826237 S1 True

61

[ 0.33333333 -0.92801333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.021202976637356628 0.8566395817607616 0.0003926118413644309 S1 True

62

[ 0.38325572 -0.7586623 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30461232618825507 0.12447044020979427 0.09112379876319616 S1 True

63

[ 0.33333333 -0.85382821 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.1213675828517264 0.5049698555435627 0.0006566904976985537 S1 True

64

[ 0.8213764 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34688195711271613 0.9957046435790071 2.111165401311146 S1 True

65

[ 0.59084884 -0.49865716 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3947633480207736 -0.07132211105862207 0.7023439985329105 S1 False

WARNING:root:Hit Constraint

66

[ 0.76115799 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39023799945975185 1.0 1.6118319649221813 S1 True

67

[ 0.90086996 -0.15471279 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5962697514115826 0.6258235137158181 3.7755202337856066 S1 True

68

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

69

[ 0.98411657 -0.17592644 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3625999412928638 0.6726673185893371 5.505359845376169 S1 True

70

[ 0.90911054 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38641655798258284 1.0 3.0044886321869897 S1 True

71

[ 1. -0.10833354 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35229638190164475 0.69138738912767 4.85898300654119 S1 True

72

[ 0.86750977 -0.72873348 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3784391487855044 1.0 2.5470571158493676 S1 True

73

[ 0.56657817 -0.7460079 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3529454389293584 0.9864093227013059 0.5926533019429653 S1 True

74

[ 0.97526323 -0.06310643 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4810871566367859 0.6798478461816494 3.9140163941326875 S1 True

75

[ 1. -0.47162935 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3435814455207968 1.0 4.384098350082333 S1 True

76

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 0.43923248 -0.72770067 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.10104082964292921 0.5025845147406696 0.21256984220712655 S1 True

78

[ 0.45004792 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2461518760470694 0.961250500879897 0.23677756312039047 S1 True

79

[ 0.87528256 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.15878829 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.6698752 0.40562452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 300 [ 1. -0.47566203]S3 True

82

[ 1. 0.50382202 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 130 [ 0.78565698 -0.36958017]S3 True

83

[ 0.60441308 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

84

[ 0.33333333 -0.30151454 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.7939813 -0.4138835]S3 True

85

[ 0.54944754 -0.02696923 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 730 [ 0.97988091 -0.09677344]S3 True

86

[ 0.33333333 0.57997753 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

87

[ 0.80880085 0.61439313 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 270 [ 1. -0.47573832]S3 True

88

[ 0.51956683 0.60054151 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

89

[ 1. 0.81925056 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 620 [ 1. -0.09771496]S3 True

90

[ 0.84426815 0.23929339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 140 [ 0.79135341 -0.35259656]S3 True

91

[ 1. 0.22687814 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 30 [ 0.60663604 -0.60974882]S3 True

92

[ 0.7392131 0.93326286 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

93

[ 0.68633895 0.10535022 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 180 [ 0.79570903 -0.37052156]S3 True

94

[ 0.49427385 0.26534563 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

95

[ 0.46987966 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

96

[ 0.90967079 -0.09674632 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4378111511305385 0.48724345230141736 3.320005200456769 S1 True

97

[ 0.96251547 -0.00966196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44085415201695616 0.45339587780137997 3.2286837224641802 S1 True

98

[ 0.69624397 -0.49677546 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3142141787024603 0.9527711615380547 1.2202375801901664 S1 True

99

[ 0.4263954 -0.69641928 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3243260650567724 -0.06661273313976322 0.18323215791225034 S1 False

100

WARNING:root:Hit Constraint

[ 0.71315928 0.39744833 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 260 [ 0.69222814 -0.48476492]S3 True

101

[ 0.60138272 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

102

[ 1. -0.0094716 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6090905786094188 0.6581144685802762 3.738918961752696 S1 True

103

[ 0.99387428 0.04473302 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.45558360600543496 0.4479603050193905 3.170974664446202 S1 True

104

[ 0.65723197 0.66632475 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

105

[ 0.40147804 0.79447978 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

106

[ 0.4301497 -0.13681777 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 290 [ 0.68690627 -0.48693896]S3 True

107

[ 0.33333333 -0.54502885 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 1040 [1. 0.02406836]S3 True

108

[ 0.52709277 -0.27974838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 180 [ 0.85983679 -0.27204816]S3 True

109

[ 0.97132228 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 290 [ 0.6953708 -0.50974877]S3 True

110

[ 0.96828258 -0.8981033 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3749871761555017 1.0 3.795943796873893 S1 True

111

[ 0.5396018 0.81702378 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

112

[ 0.33333333 -0.05110736 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

113

[ 0.33333333 0.37121605 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

114

[ 0.60607305 0.28250604 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 310 [ 0.68384395 -0.5050664 ]S3 True

115

[ 0.92042057 0.65079805 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 200 [ 0.68992678 -0.48956827]S3 True

116

[ 0.78891975 0.05493001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 490 [1. 0.02263354]S3 True

117

[ 0.64139225 -0.15629035 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 590 [1. 0.02127358]S3 True

118

[ 0.42974759 0.12019274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

119

[ 0.91144269 0.38641436 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 140 [ 0.90052816 -0.23847541]S3 True

120

[ 0.59255701 0.49089718 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

121

[ 0.43039577 -0.4169917 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 210 [ 0.69926621 -0.48384181]S3 True

122

[ 0.44100768 0.46695394 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

123

[ 0.84668158 0.79643863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 0.81016623 -0.42766852]S3 True

124

[ 0.83044781 0.43908284 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 190 [ 0.68651089 -0.49014002]S3 True

125

[ 0.63283834 0.84201863 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

126

[ 0.56340698 0.1266775 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 280 [ 0.69419193 -0.50462586]S3 True

127

[ 0.75311459 0.74542388 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

128

[ 0.33333333 -0.8308659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11476643707361209 0.3334376354798072 0.0007702105212839935 S1 True

129

[ 0.39513639 0.28182933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

130

[ 0.33333333 0.73070389 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

131

[ 1. 0.66143107 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0651592773718197 0.9811550415823409 0.6252870941228494 S3 True

132

[ 0.98674398 0.70696189 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0549296037596254 1.0 0.49299585419372755 S1 True

133

[ 0.96964132 0.66450529 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0566321400223417 1.0 0.5101363203064498 S1 True

134

[ 0.97289169 0.57895036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0694827580317554 1.0 0.6895817119384291 S1 True

135

[ 0.93226225 0.59832261 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.054761992965469 1.0 0.5016038033980694 S1 True

136

[ 0.91861157 0.50523547 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0657418590153798 1.0 0.6315429610984497 S1 True

137

[ 0.99337032 0.80051331 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0302070926000613 1.0 0.36263022628617236 S1 True

138

[ 1. 0.8991695 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9826652028242733 1.0 0.24441680665452162 S1 True

139

[ 0.96573481 0.85762304 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.962145917192628 1.0 0.2127687397461623 S1 True

140

[ 0.97544564 0.47603136 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072741607043301 1.0 0.9475550938879148 S1 True

141

[ 0.99612481 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8808014869758005 1.0 0.11927893194187907 S1 True

142

[ 0.91438592 0.72836718 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9821969986615477 1.0 0.2501999589757138 S1 True

143

[ 0.88050099 0.65298221 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9874282556704463 1.0 0.264053830064226 S1 True

144

[ 0.85587904 0.55747496 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.01502186425016 1.0 0.3333875013790607 S1 True

145

[ 0.84761638 0.46316921 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0459790381047838 1.0 0.46180814050160784 S1 True

146

[ 0.8130851 0.53456269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9754610490293893 1.0 0.2523668506237689 S1 True

147

[ 0.81118212 0.64528609 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.861700033786078 1.0 0.11463609121416292 S1 True

148

[ 0.82300561 0.74059636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7575092263457637 0.9601187220750704 0.04210653449238931 S1 True

149

[ 0.90559106 0.85623862 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8326902433492973 0.9923826329276418 0.08491232220206293 S1 True

150

[ 0.95380858 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7614294418283678 0.9618205277302642 0.03830920863502199 S1 True

151

[ 1. 0.41430004 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2187607342299465 1.0 1.2658604349060458 S1 True

152

[ 0.90559106 0.38565646 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0723885528305614 1.0 0.8522068621812844 S1 True

153

[ 0.89689313 0.94767121 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6500916152806988 0.9139182941210957 -0.012821361358872437 S1 True

154

[ 0.9925139 0.3469396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1629858513438005 1.0 1.4573008309381372 S1 True

155

[ 0.81118212 0.41191085 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.039084049327147 1.0 0.43543814328683844 S1 True

156

[ 0.76593428 0.49793619 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9254901852323603 1.0 0.18654247770113233 S1 True

157

[ 0.78020114 0.71789129 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.642554259272468 0.9108378954532037 -0.01053968949544306 S1 True

158

[ 0.73139919 0.5747857 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7275623157690787 0.9473964219457726 0.033959427525261834 S1 True

159

[ 0.71058306 0.67032992 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4326675130952349 0.8082344690303466 -0.07729651418552874 S1 True

160

[ 0.71456654 0.48116955 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8220776754089818 0.9873163514430375 0.09650452965232309 S1 True

161

[ 0.78655987 0.32829615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0491513792798632 1.0 0.5084523297658352 S1 True

162

[ 0.7193351 0.37552512 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9521071960646312 1.0 0.2357476710184196 S1 True

163

[ 0.83241572 0.87769269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.522483904739938 0.8573571839372978 -0.056628781691659115 S1 True

164

[ 0.67507086 0.42944163 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7811322089454413 0.9699706818508615 0.07477740349867917 S1 True

165

[ 0.81417284 0.27032599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068290934548018 1.0 0.7392860141690291 S1 True

166

[ 0.90392533 0.28098781 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3163437419325068 1.0 1.1459387097869087 S1 True

167

[ 0.66099008 0.53160092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5291246194645354 0.8612885259139851 -0.04297321477600643 S1 True

168

[ 0.75605326 0.79166158 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.351444222368831 0.7617611810369569 -0.10075261501644525 S1 True

169

[ 0.64291546 0.36067522 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7876859355100327 0.9726392518367522 0.08656534048141463 S1 True

170

[ 0.69650237 0.269564 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.996374126457945 1.0 0.3345956759345021 S1 True

171

[ 0.61335918 0.41511086 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.576460635984941 0.8828763590759904 -0.018653027545754344 S1 True

172

[ 0.84557142 0.96578873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3653299648319324 0.769117758435632 -0.10025669834694179 S1 True

173

[ 0.90559106 0.73807768 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.961412116941335 1.0 0.21630450587518166 S1 True

174

[ 0.75454052 0.23422431 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0559043096767815 1.0 0.5881003458879492 S1 True

175

[ 0.63382375 0.27468612 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8796872324061311 1.0 0.1700870068401757 S1 True

176

[ 0.69113409 0.71323986 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1981975151333322 0.6745682068852625 -0.13097544547319534 S1 True

177

[ 0.64136271 0.62464078 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.162619884970234 0.6548104381584273 -0.13497149647200785 S1 True

178

[ 0.88545191 0.20519477 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.181243427093943 1.0 1.2993496361712058 S1 True

179

[ 0.57575917 0.39018556 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4579919560881396 0.8246799191183488 -0.05469780035999318 S1 True

180

[ 0.70835148 0.1735833 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0481726280285577 1.0 0.5524912975143071 S1 True

181

[ 0.69943636 0.18980662 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.037762692051813 1.0 0.4880314654904381 S1 True

182

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

183

[ 0.80217478 0.15294232 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0703815175594436 1.0 1.0094912832244725 S1 True

184

[ 0.62726752 0.18951145 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9525732416200134 1.0 0.2757626511836758 S1 True

185

[ 0.57099493 0.2844567 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6700163302631625 0.9236816422899606 0.03393366240729769 S1 True

186

[ 0.85505087 0.64493289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9546418884167518 1.0 0.21173530827398931 S1 True

187

[ 0.80898428 0.92923743 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2596820619526485 0.7088954580818719 -0.12288174919194932 S1 True

188

[ 0.72988198 0.79607029 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1813953152955652 0.6643712319677487 -0.13588308559376294 S1 True

189

[ 0.73203745 0.10032537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067725432571628 1.0 0.8294363622175726 S1 True

190

[ 0.68023714 0.06669676 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0585460293191935 1.0 0.6992919513190516 S1 True

191

[ 0.65016815 0.09457832 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0359852202012108 1.0 0.5202689272091623 S1 True

192

[ 0.91120786 0.76618895 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9470315032633394 1.0 0.19524078920428195 S1 True

193

[ 0.73826402 0.4969146 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8644894905990723 1.0 0.12728892329897826 S1 True

194

[ 0.59290593 0.49556339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2627628208349133 0.7136582398933135 -0.10998699692809513 S1 True

195

[ 0.94122477 0.20024364 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1788724835946522 -0.27633062872987735 1.6987212684801962 S1 False

196

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.53377642 0.27091945 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5416963091138371 0.8687523108890131 -0.015261747960117504 S1 True

197

[ 0.65420346 0.01582131 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0579778643074254 1.0 0.7284759872892379 S1 True

198

[ 0.56295446 0.17002917 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8310584829048435 0.9900801310647057 0.15104130012572187 S1 True

199

[ 0.70053897 -0.02568248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.362573698801279 1.0 1.079753461288131 S1 True

200

0.9800995024875622

0.08840589626444159

[0.97289169 0.57895036]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69798192 -0.99451453 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3437710152938704 1.0 1.202534208460498 S1 True

0

[ 0.6771901 -0.94327545 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3087050355921332 0.9839835648865366 1.0865536904382658 S1 True

1

[ 0.78979053 -0.91396701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.397969064719452 1.0 1.8298185202564488 S1 True

2

[ 0.83269769 -0.84540651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37121939258149705 1.0 2.199659415194638 S1 True

3

[ 0.75329212 -0.85145714 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3347698464417685 0.9925779473910599 1.5576988299778372 S1 True

4

[ 0.87848674 -0.88029501 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38920667387503416 1.0 2.65715996478171 S1 True

5

[ 0.62165832 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3027278499322379 0.9814011391515935 0.8135005143366877 S1 True

6

[ 0.70912559 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35249209780372925 0.9998818879478298 1.2707325567899057 S1 True

7

[ 0.92300961 -0.79366429 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3552767435828397 1.0 3.1814748072617824 S1 True

8

[ 0.70483943 -0.72554422 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31148646359299303 0.982970626814149 1.2476630366483907 S1 True

9

[ 0.89066258 -0.74349036 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36548288653372013 1.0 2.797693373312546 S1 True

10

[ 0.74997112 -0.70232754 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33341022934922954 0.9962558117459313 1.5396445398502767 S1 True

11

[ 0.83396676 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3662775946009111 1.0 2.208834440024497 S1 True

12

[ 0.81964724 -0.67975707 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.337977446645333 1.0 2.089847298284533 S1 True

13

[ 0.64979305 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29458959739804236 0.9745400477042969 0.9470391001319362 S1 True

14

[ 0.96887061 -0.6288794 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38023007528647906 1.0 3.82870189269923 S1 True

15

[ 0.89232126 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39862308874038 1.0 2.8083912608639627 S1 True

16

[ 0.95342651 -0.88437357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38235859755995316 1.0 3.582675743663382 S1 True

17

[ 0.89411502 -0.61168584 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34687079701816487 1.0 2.8519363422319115 S1 True

18

[ 0.58370393 -0.95968652 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28815055299553793 1.0 0.6552300372342892 S1 True

19

[ 1. -0.88594566 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3781618366101703 1.0 4.2909694975524175 S1 True

20

[ 0.90345508 -0.53009865 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3359189156370996 1.0 2.981364772797759 S1 True

21

[ 0.73765787 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34729764042205385 0.9846138483004602 1.461473109769954 S1 True

22

[ 0.7874348 -0.5478063 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35441875973476317 0.9675073205427329 1.836117949111819 S1 True

23

[ 0.58630151 -0.82477701 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26525094298625873 0.9653725612961971 0.666596178309149 S1 True

24

[ 0.86143973 -0.45757916 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36874914158626804 0.9833688700980893 2.542319192860577 S1 True

25

[ 1. -0.96120338 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37897423982981526 1.0 4.288834152822866 S1 True

26

[ 1. -0.57781517 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3748013036423323 1.0 4.331186537633742 S1 True

27

[ 0.64678125 -0.69096277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3085515601055783 0.6171016779318257 0.9357366383582657 S1 True

28

[ 0.96290907 -0.47651738 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34115661638314965 1.0 3.796606769665436 S1 True

29

[ 0.90559106 -0.39114515 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3695126873190144 0.9430891246567197 3.09213372943443 S1 True

30

[ 0.78780664 -0.4555457 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37008774322114285 0.7910883703940379 1.8653012123505082 S1 True

31

[ 1. -0.42520751 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34399401536564866 1.0 4.425356400929753 S1 True

32

[ 0.87519209 -0.3296311 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36076764150031704 0.7437170246632948 2.8150342898049083 S1 True

33

[ 0.99145009 -0.34356323 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34902274124810456 0.9723460866981278 4.408080984278331 S1 True

34

[ 0.53976012 -0.89362373 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23329313110009176 0.9704472836390239 0.49627700000452196 S1 True

35

[ 0.52146104 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.26278554378770363 0.9892063834144603 0.437453394771621 S1 True

36

[ 0.52749177 -0.72281724 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24163120293876228 0.9215999679615249 0.4581537769064371 S1 True

37

[ 0.99167836 -0.25953121 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37373429243760165 0.7941210322428304 4.732976829886292 S1 True

38

[ 0.7118682 -0.54080124 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3484751165146309 0.8541982513560769 1.3060204811413882 S1 True

39

[ 0.48058569 -0.82729525 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22241677354604733 0.9620972250294337 0.3170022566451705 S1 True

40

[ 0.73603308 -0.42164773 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3173735382318775 0.8923267688544059 1.4949867801588066 S1 True

41

[ 0.6877667 -0.42792086 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5505389067201469 0.5726223782189968 1.1900149278521255 S1 True

42

[ 0.51720011 -0.6412657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3669767085974198 0.5238019002825818 0.4279092866910197 S1 True

43

[ 0.43766626 -0.80179557 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.12230732659844556 0.8195966452319792 0.20794009241601305 S1 True

44

[ 0.530599 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28999938434584316 0.9870665848461947 0.4654750773568843 S1 True

45

[ 0.94695683 -0.2582816 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3885347352522879 0.6580815506989799 3.994529831275191 S1 True

46

[ 0.78813371 -0.34522775 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35430928700983044 0.8441912453930355 1.9420532551678176 S1 True

47

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.8166411 -0.26074174 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6151771088692053 0.6547929954587541 2.365363181720898 S1 True

48

[ 0.76225718 -0.26204288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.699993852854085 0.1750283584294087 1.875003229494833 S1 True

49

[ 0.40523644 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.08385856186613987 0.8173379383504191 0.13537089091886942 S1 True

50

[ 0.56820767 -0.65195972 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25247401753115445 0.9005664494361157 0.6016061074643482 S1 True

51

[ 0.47928059 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.19895809387602903 0.9815645166154365 0.3125226449677387 S1 True

52

[ 0.43155947 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.16488676219096846 0.9591328454224601 0.19267284226684533 S1 True

53

[ 0.5769151 -0.56873951 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4389783199480143 0.537773976813036 0.6395321469657754 S1 True

54

[ 1. -0.1932248 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3938130818524692 0.6592086690913722 6.129513981873415 S1 True

55

[ 0.95958226 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37812182388423926 1.0 3.667349816236787 S1 True

56

[ 0.42929805 -0.74686173 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.056658310624185006 0.5763982794170628 0.18906207946312173 S1 True

57

[ 1. -0.12530635 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35074744782750367 0.6849123199002852 5.087046677962415 S1 True

58

[ 0.62762203 -0.48623306 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.562591923619733 0.4073961890308182 0.8640820606162914 S1 True

59

[ 0.76734834 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36912109306461754 1.0 1.656956045784406 S1 True

60

[ 0.97819445 -0.08209089 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40634924521495414 0.7069115713581107 4.165646632159367 S1 True

61

[ 0.96155984 -0.01077491 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44094655996935495 0.45200825586007204 3.226006767032582 S1 True

62

[ 0.64317303 -0.42146468 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.7160781533351296 -0.06372197734142003 0.9541964086714548 S1 False

WARNING:root:Hit Constraint

63

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 1. -0.03748739 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41634614858116875 0.6970567954142576 4.023771347254778 S1 True

64

[ 0.82732284 -0.20358297 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43201519433061614 0.4010666534897596 2.996662013807311 S1 True

65

[ 1. -0.77860463 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39235260854902165 1.0 4.296792471710312 S1 True

66

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

67

[ 0.38664231 -0.96067522 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.09389695535156417 0.9616738894578227 0.09664467309835523 S1 True

68

[ 1. 0.03486961 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7563174997139394 0.5060236102863103 3.332598129522093 S1 True

69

[ 0.86499143 -0.21200898 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5626045770140241 0.6816477668261325 3.266206176675275 S1 True

70

[ 0.90852104 -0.11839822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6681842860706185 0.5379555546307239 3.5111929422581456 S1 True

71

[ 0.39813152 -0.74374171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.360571554022782 -0.037540857482462435 0.12120842222246676 S1 False

72

WARNING:root:Hit Constraint

[ 0.36884593 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.11932341402454058 0.9726192879072156 0.0624104208785016 S1 True

73

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

74

[ 0.33333333 -0.92170924 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.0278638786846308 0.8628751497066645 0.0004101394797057115 S1 True

75

[ 0.48026562 -0.91061812 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22051260608766543 0.7377420502294966 0.3155500742599261 S1 True

76

[ 0.4731244 -0.64873882 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35544896586723485 0.041338516012371165 0.29999919852560675 S1 True

77

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 0.79866506 -0.78836691 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40108240673596374 1.0 1.9046002666498443 S1 True

79

[ 0.84239741 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.16368098 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.65581636 0.39685415 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 320 [ 1. -0.32135454]S3 True

82

[ 1. 0.56862675 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 140 [ 0.88023084 -0.32657706]S3 True

83

[ 0.59129497 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

84

[ 0.33333333 -0.28804338 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 330 [ 0.89591392 -0.39751353]S3 True

85

[ 0.54289344 0.00098912 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 1. -0.2995027]S3 True

86

[ 0.45931077 0.58492108 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

87

[ 0.84390194 0.31881617 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 160 [ 0.86854272 -0.30654885]S3 True

88

[ 1. 0.89944408 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 230 [ 1. -0.30425348]S3 True

89

[ 0.74461653 0.08594907 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 150 [ 0.87161214 -0.33669627]S3 True

90

[ 0.76763565 0.6572619 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 340 [ 1. -0.32321739]S3 True

91

[ 0.33333333 0.44814467 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

92

[ 0.47794563 0.28422447 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

93

[ 0.59110122 0.67563043 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

94

[ 0.33333333 0.72139362 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

95

[ 0.7139395 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

96

[ 0.46742397 0.88817881 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

97

[ 1. 0.30182023 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 100 [ 0.66159557 -0.47085644]S3 True

98

[ 0.33333333 -0.53489756 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 280 [ 0.88317877 -0.35310572]S3 True

99

[ 0.34747866 -0.8316818 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.11157618563936154 0.5041872533474095 0.024646753493294697 S1 True

100

[ 0.39920017 -0.0693452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 370 [ 0.90559106 -0.40504364]S3 True

101

[ 0.88512314 0.78647985 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 280 [ 0.89775119 -0.38675014]S3 True

102

[ 0.87952507 -0.11005843 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7553658264491935 0.3527964543872695 3.057880750265559 S1 True

103

[ 0.49420828 -0.31077518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3834032457763508 1.0 0.41632365534101284 S3 True

104

[ 0.48694043 -0.23529496 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.03278675261021 1.0 0.4708369944092542 S1 True

105

[ 0.46065948 -0.30808255 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.037295263922015 1.0 0.3200627331609227 S1 True

106

[ 0.42986925 -0.25651825 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.984399877334171 1.0 0.27499403768238023 S1 True

107

[ 0.42774227 -0.17632401 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.915755963049972 1.0 0.40019115033599395 S1 True

108

[ 0.39068592 -0.14196442 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7772806260450407 0.9689591297848363 0.23074001560256482 S1 True

109

[ 0.35544528 -0.08136275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5247192788863488 0.8686860825400372 0.06307460898509867 S1 True

110

[ 0.34341845 -0.1387306 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5970940784101295 0.8999814192545074 0.11942142600315482 S1 True

111

[ 0.42774227 -0.08548704 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8055630884894356 0.9793879510620204 0.22297283668813986 S1 True

112

[ 0.43804992 0.01638437 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6704429456591299 0.9259828919537124 0.09407701078867602 S1 True

113

[ 0.38080071 0.02320308 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.392811121226865 0.7982074692162211 -0.015443098148123639 S1 True

114

[ 0.47419936 0.03756383 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7614543473547375 0.9620211704383581 0.13961938759267226 S1 True

115

[ 0.51920683 0.03593458 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8882905207702334 1.0 0.2458364249901204 S1 True

116

[ 0.56688325 0.04711978 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9686969050158054 1.0 0.353934516521911 S1 True

117

[ 0.56897517 0.10773252 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9192380289460178 1.0 0.25534062994650547 S1 True

118

[ 0.52172379 0.14718048 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7388249951463548 0.9526218915947068 0.0947123839635804 S1 True

119

[ 0.35932492 -0.25006406 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8394796195349234 0.9919812207866733 0.11791399167645529 S1 True

120

[ 0.5200628 0.22108846 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5909043064020019 0.890606440132293 0.010242874369057358 S1 True

121

[ 0.56432134 0.24658958 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7151272941253446 0.9426211163564668 0.06182895942867632 S1 True

122

[ 0.54915365 0.286625 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5756091055849522 0.8833967273407184 -0.005178321782107869 S1 True

123

[ 0.46960779 0.18326043 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4420578112324973 0.8195179654227728 -0.03424906759002248 S1 True

124

[ 0.60957864 0.12420448 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9757643221386287 1.0 0.3360487491890308 S1 True

125

[ 0.60778837 0.26639565 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.822577207508619 0.9869538669011053 0.1244361422452757 S1 True

126

[ 0.65362073 0.22813825 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9645013093922665 1.0 0.2842821636532064 S1 True

127

[ 0.52315723 -0.10830192 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.010745306618035 1.0 0.5514724366198096 S1 True

128

[ 0.68086327 0.29040351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.958582407949788 1.0 0.26056112537619736 S1 True

129

[ 0.71969246 0.28162555 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.01601129783315 1.0 0.38120604639398337 S1 True

130

[ 0.36319602 -0.24995897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8495116609403484 0.9955312035863149 0.12600477836415078 S1 True

131

[ 0.69892488 0.36178344 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.927053675512224 1.0 0.20520397339123436 S1 True

132

[ 0.49311147 0.29376419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2675292923338057 0.720067769995375 -0.093555920417436 S1 True

133

[ 0.33333333 -0.00562735 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.198760979508429 0.6947528639296201 -0.058410311854973376 S1 True

134

[ 0.72809671 0.33627056 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9944586218597058 1.0 0.31591688017063513 S1 True

135

[ 0.66289435 0.13300864 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0312624101470456 1.0 0.481998317011617 S1 True

136

[ 0.64987521 0.40642439 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.736050785674498 0.9510762796578445 0.0515480767666283 S1 True

137

[ 0.73941896 0.22088857 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0521292625132443 1.0 0.5619015281924502 S1 True

138

[ 0.62070067 0.02000538 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.040796573194674 1.0 0.5866577582548922 S1 True

139

[ 0.57702463 -0.09421542 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0471817398520082 1.0 0.7197309681806007 S1 True

140

[ 0.33333333 -0.21899239 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.711573799190117 0.9457817016486341 0.10456216635695795 S1 True

141

[ 0.61745247 0.40070455 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6244239406901562 0.9037737646182555 0.0008421166473217582 S1 True

142

[ 0.73548735 0.39445718 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9633379122290737 1.0 0.249602253684357 S1 True

143

[ 0.5749919 -0.09090198 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0452320866958456 1.0 0.7018366430571662 S1 True

144

[ 0.77390972 0.25147153 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0599241435981446 1.0 0.6225110367483669 S1 True

145

[ 0.70201996 0.10675202 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0594113051193816 1.0 0.6845204583223238 S1 True

146

[ 0.43631922 0.17934191 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2682878446680628 0.7239123284669082 -0.07900749307673875 S1 True

147

[ 0.65973452 -0.02079008 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0644183262962224 1.0 0.8598775760751943 S1 True

148

[ 0.692655 0.47674001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7619391163131461 0.9619273708110844 0.05919696000625382 S1 True

149

[ 0.63457498 0.49919891 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4801187412893633 0.8359592534174312 -0.05616570784080753 S1 True

150

[ 0.77112743 0.45097136 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9749793537484353 1.0 0.2608179270106341 S1 True

151

[ 0.79306504 0.32141702 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0539915828522526 1.0 0.544556747899744 S1 True

152

[ 0.79325407 0.41581228 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0227808050018945 1.0 0.3743342504719324 S1 True

153

[ 0.33333333 -0.29376843 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8265590002981686 0.9876138925024647 0.04203893858037994 S1 True

154

[ 0.69387728 0.55433934 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6235692837761124 0.9028856164110965 -0.01085263010272829 S1 True

155

[ 0.82963175 0.46322118 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.033799170879669 1.0 0.40522913782619846 S1 True

156

[ 0.77746599 0.52907645 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9174135867805295 1.0 0.17461821553157802 S1 True

157

[ 0.59083936 0.48624072 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.278226294672527 0.7225552283796309 -0.10619002603891045 S1 True

158

[ 0.83188917 0.2983692 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069051064058103 1.0 0.7455263126493344 S1 True

159

[ 0.78835758 0.16477365 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.070690693902387 1.0 0.9052676364279212 S1 True

160

[ 0.84552318 0.18082146 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3160536834671488 1.0 1.1510512364032892 S1 True

161

[ 0.79567502 0.31582586 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0562998326166997 1.0 0.5652264909172267 S1 True

162

[ 0.80884604 0.57155177 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.937472586050881 1.0 0.19438891788205473 S1 True

163

[ 0.8458959 0.30380275 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0706168029871663 1.0 0.7923180690156041 S1 True

164

[ 0.6968577 0.62077659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.48795336491219 0.8395733684188355 -0.05996064379808454 S1 True

165

[ 0.33333333 -0.24239966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7508526147711598 0.9604695994423007 0.07360358535264885 S1 True

166

[ 0.87068234 0.48703164 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0518889222130157 1.0 0.49504155398520144 S1 True

167

[ 0.84710125 0.17074308 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2640332315599019 1.0 1.1948865653982725 S1 True

168

[ 0.62759253 -0.10204209 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064394504656658 1.0 0.9754031495083316 S1 True

169

[ 0.89197415 0.573241 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.039473275674149 1.0 0.41463659777754003 S1 True

170

[ 0.50894292 0.34618301 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2042563813330611 0.6830464775553929 -0.111749108777701 S1 True

171

[ 0.76462024 0.09503448 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0698287183157165 1.0 1.0019135134262667 S1 True

172

[ 0.78484093 0.6463783 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7859446657300213 0.9721731704442198 0.06218752726109542 S1 True

173

[ 0.89053001 0.31894746 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0720260237705097 1.0 0.9600619838114257 S1 True

174

[ 0.86379664 0.66993038 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9481669565758115 1.0 0.20143791736713335 S1 True

175

[ 0.75624214 0.72983013 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5116407015047697 0.852463569275526 -0.05661053469801142 S1 True

176

[ 0.92188215 0.48204107 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0689429879003463 1.0 0.6938115100996208 S1 True

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

177

[ 0.33333333 -0.28842809 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8193422988938321 0.9850818198295259 0.04427763328113056 S1 True

178

[ 0.70680247 -0.01984775 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3403228372361138 1.0 1.0922824244127447 S1 True

179

[ 0.3542718 -0.34383571 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.930385246633522 1.0 0.06453740714472644 S1 True

180

[ 0.72591511 0.29430325 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0159468660578828 1.0 0.3779383223144763 S1 True

181

[ 0.33333333 -0.31462624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8533363826911198 0.996848021635113 0.03461524317374704 S1 True

182

[ 0.85115607 0.75861682 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8166785381021517 0.9853841194444731 0.07690474510938608 S1 True

183

[ 0.93193549 0.38171 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.07187124773792 1.0 0.9898692192757356 S1 True

184

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S3 True

185

[ 1. 0.94377652 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9471921559694376 1.0 0.1899457645957631 S1 True

186

[ 0.97074042 0.99448386 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8216595531038857 0.9876944882339022 0.07459816334915763 S1 True

187

[ 0.94329378 0.8831444 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8937458419924569 1.0 0.13324635531093504 S1 True

188

[ 0.96143255 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9901094661605503 1.0 0.26090015142693107 S1 True

189

[ 0.79078665 0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4822110904836192 0.8356263349205363 -0.06735173966053866 S1 True

190

[ 0.98179616 0.73350663 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0457685019983165 1.0 0.43222068594876817 S1 True

191

[ 0.90559106 0.9366731 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7041370040017148 0.9372753618880536 0.010641164021913528 S1 True

192

[ 0.98756589 0.60929797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069412258186739 1.0 0.683894872764215 S1 True

193

[ 0.95234478 0.41825001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071950899725894 1.0 0.9903738643743494 S1 True

194

[ 0.78507438 0.28275456 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.058479169910568 1.0 0.5960036976376722 S1 True

195

[ 0.67447383 0.20706554 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0070654029673225 1.0 0.37727089544276604 S1 True

196

[ 0.87402497 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4260666161573992 0.8035049230724272 -0.08561074163103231 S1 True

197

[ 1. 0.39242215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1628242231515136 1.0 1.3405028400786771 S1 True

198

[ 0.92220582 0.71078467 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0038287104991017 1.0 0.29402842852577443 S1 True

199

[ 1. 0.33919658 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1679728589805776 0.9866112741789514 1.5382236537574072 S1 True

200

0.9900497512437811

0.0840505133929553

[0.89053001 0.31894746]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69738481 -0.9839222 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35061701505199444 1.0 1.1991418889710552 S1 True

0

[ 0.66521187 -0.94493867 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31330464499299426 0.9873431868220699 1.0232072863597597 S1 True

1

[ 0.798636 -0.88495125 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3677361794819557 1.0 1.901837909913355 S1 True

2

[ 0.76109031 -0.97631556 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4245197513438254 1.0 1.6115300520157756 S1 True

3

[ 0.82339031 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37269833879125086 1.0 2.1125209669761977 S1 True

4

[ 0.62006264 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33605094521729767 0.9807729416484288 0.8064121786426399 S1 True

5

[ 0.86554877 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3775496257952751 1.0 2.518288966376809 S1 True

6

[ 0.7324044 -0.85727934 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32525355699928865 1.0 1.4160296359563533 S1 True

7

[ 0.90291661 -0.92083668 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3755884138853289 1.0 2.9320622083572707 S1 True

8

[ 0.87420886 -0.83400536 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37215470309795795 1.0 2.612545150991385 S1 True

9

[ 0.95053781 -0.76257732 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3980342344168972 1.0 3.548344219688239 S1 True

10

[ 0.98388209 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3745564697413201 1.0 4.059200111768085 S1 True

11

[ 0.92541849 -0.66357978 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38287608875230533 1.0 3.223466773378232 S1 True

12

[ 0.74453154 -0.78110322 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35292201600637113 0.9983086170716332 1.498821837172554 S1 True

13

[ 0.76797597 -0.69550513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33142270569363513 0.9920085928283419 1.669396872981434 S1 True

14

[ 0.8140768 -0.6325604 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3200026147907839 0.9982019275359093 2.0455358988052694 S1 True

15

[ 0.98488771 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3831639538847936 1.0 4.051919277141157 S1 True

16

[ 0.7179875 -0.71203511 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31428624947159506 0.984134013402254 1.3283511485258421 S1 True

17

[ 0.66938141 -0.74258709 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2930792283325402 0.9759139529069476 1.0483875296677123 S1 True

18

[ 0.85071198 -0.56014111 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3376770749856261 0.9888797667805344 2.3980954894466047 S1 True

19

[ 0.6351592 -0.69380418 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31094956124420586 0.6837446954389468 0.8800684128613534 S1 True

20

[ 0.92985472 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37856293452343337 1.0 3.2630229267049886 S1 True

21

[ 0.58978187 -0.94905997 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2792220804980622 0.991986233603535 0.6792907709189887 S1 True

22

[ 0.91720951 -0.51844451 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34617541299484794 0.9964157554749463 3.153834587632516 S1 True

23

[ 1. -0.92860133 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3909027194129991 0.9095495246085205 4.289624443912693 S1 True

24

[ 1. -0.54023041 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37830873958709255 1.0 4.345272911499738 S1 True

25

[ 0.56950517 -0.86244281 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.24928767653327702 0.9718699051603382 0.6017685259214639 S1 True

26

[ 0.7566495 -0.59722683 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32165435319560703 0.9852004619443963 1.5956259778899191 S1 True

27

[ 0.81208595 -0.49075119 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35698138900892057 0.6530761553439415 2.0567793383056054 S1 True

28

[ 0.54323088 -0.91672672 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2305862846834281 0.9765570803161591 0.5078524597125725 S1 True

29

[ 0.70981675 -0.57594847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34402278463458996 0.7814468682537685 1.2885809435324258 S1 True

30

[ 0.92771444 -0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34527994341150875 0.9895108335851645 3.3356958674498407 S1 True

31

[ 0.50433576 -0.87065975 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.254661404748191 0.835090523277068 0.38444038072079373 S1 True

32

[ 0.5106587 -0.97774965 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23398361150965194 0.9920206113452101 0.4028774305817251 S1 True

33

[ 0.46721028 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.17235543723338026 0.9712528918390411 0.28031764561795197 S1 True

34

[ 0.91318684 -0.35197469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3666744849496076 0.7087236723311066 3.2375761286096925 S1 True

35

[ 1. -0.42464617 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3514174696083842 0.9997274677037806 4.425959144867092 S1 True

36

[ 0.99762208 -0.32977349 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34624730993072583 0.972248329679711 4.5468915724141725 S1 True

37

[ 0.44088934 -0.93706272 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18236872423954037 0.9879791824178654 0.2147663210789498 S1 True

38

[ 0.97824034 -0.25022924 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36964743319114596 0.6513698259832605 4.5603178072665385 S1 True

39

[ 0.40541189 -0.97176821 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14936088669364386 0.9891979100149956 0.13498078819041337 S1 True

40

[ 0.43682095 -0.86035653 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.15564735074164804 0.9350492549186271 0.205495143323238 S1 True

41

[ 0.57811099 -0.73640326 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35635936109857697 0.9806742607771307 0.6363124109743369 S1 True

42

[ 0.72096139 -0.49733967 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33649279892387596 0.9096504640812929 1.3712961655264488 S1 True

43

[ 0.53737359 -0.68294611 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23034706748734524 0.8694474971605353 0.49165970160788486 S1 True

44

[ 0.3777076 -0.87397615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.0391166241256295 0.8249542078615592 0.07953789453472078 S1 True

45

[ 0.43856074 -0.75768797 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.09746295103870704 0.7225966391493709 0.21054445891762577 S1 True

46

[ 0.71077712 -0.41229148 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5237128368417406 0.668151329259979 1.3342868256583793 S1 True

47

[ 0.52956711 -0.60858236 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4458683126096382 0.3586227577732467 0.46884912361566017 S1 True

48

[ 0.45883347 -0.67817393 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4617549451855452 0.16033219552446 0.26182389555925906 S1 True

49

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

50

[ 0.67635555 -0.51194077 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31020984326884576 0.9283272745037106 1.1048125675120908 S1 True

51

[ 0.63004052 -0.45563189 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4062365854985947 0.14949568716408934 0.8816133769416892 S1 True

52

[ 0.86528186 -0.39466156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36450153302950744 0.6384153557005248 2.6252357133271667 S1 True

53

[ 1. -0.20844524 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3543901529094455 0.6550980294349263 5.599830455330577 S1 True

54

[ 0.85658645 -0.33840859 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36031205197924143 0.779368813975149 2.596691984075557 S1 True

55

[ 0.85918617 -0.24711897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3968039949989268 0.7506767238640991 2.8781545337589307 S1 True

56

[ 0.84913002 -0.17001042 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43531009065070464 0.4018023604743086 3.22025689089927 S1 True

57

[ 0.36733986 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.10614055636225567 0.9710859899813306 0.05961601922070066 S1 True

58

[ 0.76238649 -0.38484767 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32838996535271275 0.877729126655545 1.7039196496058988 S1 True

59

[ 0.79833068 -0.24855067 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7411393410711933 0.4108266778456323 2.2362584549697275 S1 True

60

[ 0.73803181 -0.31571106 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.42649188036666114 0.2605446043631941 1.5892682548088972 S1 True

61

[ 0.88798452 -0.17786244 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5716012936926075 0.6417533474382244 3.8366547174756223 S1 True

62

[ 0.33333333 -0.93136934 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.033596793606220046 0.8533124114417107 0.0003835894057823723 S1 True

63

[ 0.57493902 -0.58904 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32160916443109816 0.6592011207871147 0.6304344278055929 S1 True

64

[ 0.85576756 -0.70526813 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35514200187004374 1.0 2.428599285734105 S1 True

65

[ 0.33333333 -0.850659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.1272537178223561 0.544370414298819 0.0006712973224883475 S1 True

66

[ 0.38256424 -0.77033369 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.324446981233686 0.15811982951898107 0.08965261315311002 S1 True

67

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 1. -0.78418559 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3859439343903822 1.0 4.29637021414432 S1 True

68

[ 0.62172439 -0.82042538 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2877729793138388 0.9769073567133943 0.8153913927482458 S1 True

69

[ 0.94220486 -0.14564045 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38678362542247374 0.7335434508979695 4.317341979478297 S1 True

70

[ 0.54851951 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25050869642459783 0.9110260131213098 0.5256012651648072 S1 True

71

[ 0.80725206 -0.78837288 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3632040808729376 1.0 1.9762681320340303 S1 True

72

[ 0.56631246 -0.53753654 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3862646748916858 0.015559244537633257 0.6021426772070927 S1 True

73

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

74

[ 0.89794275 -0.11481893 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7601999294063608 0.47434457240167344 3.3343572123901217 S1 True

75

[ 0.96569651 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39063670989974386 1.0 3.7557831354067623 S1 True

76

[ 1. -0.13957599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3511295819458788 0.6784035179538902 5.288197464106882 S1 True

77

[ 0.9499109 -0.88845686 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3837746379961434 1.0 3.533564219609345 S1 True

78

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

79

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 280 [ 0.75478511 -0.43036538]S3 True

80

[ 0.33333333 0.157807 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.67988207 0.59127374 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

82

[ 1. 0.43235695 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2697436141692027 0.992317328549978 1.206916556709102 S3 True

83

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 1. 0.37920334 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.159594930146171 1.0 1.3874026576907645 S1 True

84

[ 0.97539194 0.4461925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071289150712113 1.0 1.029714014394349 S1 True

85

[ 1. 0.51662468 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072631045668774 1.0 0.9602984918900019 S1 True

86

[ 1. 0.2915763 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.187811837975413 -0.1854319218752379 1.7369577964054141 S1 False

WARNING:root:Hit Constraint

87

[ 0.996795 0.60726709 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.071069397108413 1.0 0.7259204862889219 S1 True

88

[ 0.97118397 0.67709132 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.054633483111068 1.0 0.4930952817912366 S1 True

89

[ 0.93909461 0.66028012 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0419649419169654 1.0 0.41819077426692325 S1 True

90

[ 1. 0.73049539 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0555844879425043 1.0 0.49640737072913577 S1 True

91

[ 0.91153882 0.55587943 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0549323139159066 1.0 0.507880746610652 S1 True

92

[ 0.88126025 0.63783068 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.998313331133704 1.0 0.28669250849959566 S1 True

93

[ 0.89597731 0.73209385 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9501960418500182 1.0 0.20091187718635745 S1 True

94

[ 0.88338495 0.48198975 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0584219035832274 1.0 0.5482403014334485 S1 True

95

[ 0.96177184 0.79890261 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9984783537229915 1.0 0.2780614321886146 S1 True

96

[ 0.8776451 0.80431644 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8270984948380675 0.9899091254856619 0.08246289425637039 S1 True

97

[ 0.85234349 0.48825377 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0412445978118345 1.0 0.43334635929531307 S1 True

98

[ 0.84118656 0.77165019 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7662373474410602 0.9638522295329623 0.04588669106431707 S1 True

99

[ 0.8166117 0.58696181 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.93762255197509 1.0 0.19339967262076665 S1 True

100

[ 1. 0.8446296 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0159071311065535 1.0 0.31738352972397454 S1 True

101

[ 0.96343002 0.91250272 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9058895643009466 1.0 0.14414919551644548 S1 True

102

[ 0.87763111 0.40248657 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0679709568730553 1.0 0.6915090198850193 S1 True

103

[ 0.88950315 0.90595204 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7014491824087286 0.9361332280565102 0.009943859052592683 S1 True

104

[ 0.78139592 0.64029905 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7846703901737253 0.971625085250273 0.061724497988550606 S1 True

105

[ 0.78838621 0.5182941 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9485510985659635 1.0 0.21330725007050663 S1 True

106

[ 0.77401555 0.7546235 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5368349130909025 0.8640505673729962 -0.049424294597791796 S1 True

107

[ 0.84068134 0.3591215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0642247945667025 1.0 0.6413956968833683 S1 True

108

[ 0.77124783 0.40038494 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.008075873855445 1.0 0.3357187959231704 S1 True

109

[ 1. 0.95595501 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9360227741497862 1.0 0.17582909459462673 S1 True

110

[ 0.92418693 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.65460914075178 0.915871062536336 -0.011725856678274684 S1 True

111

[ 0.79066702 0.29482347 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0583573825986226 1.0 0.590900229569964 S1 True

112

[ 0.84967298 0.94330143 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4465612358915396 0.815201810360313 -0.07951480686915145 S1 True

113

[ 0.74147053 0.32804097 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0147293232142554 1.0 0.3668775534687476 S1 True

114

[ 0.74313549 0.22935614 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0519112876902925 1.0 0.5572212422161338 S1 True

115

[ 0.73733202 0.64240401 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6214728789309307 0.9017875017697979 -0.015979073074889542 S1 True

116

[ 0.70242912 0.20634894 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.033939805551793 1.0 0.46517868741673024 S1 True

117

[ 0.80020191 0.88529196 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3366580437808542 0.753016298061001 -0.10581424091328492 S1 True

118

[ 0.66899352 0.26503201 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9597743456353272 1.0 0.2678649325044174 S1 True

119

[ 0.71387874 0.54988712 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7094687384342082 0.9397422296313651 0.02654621554440086 S1 True

120

[ 0.81734884 0.23113097 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0709682695221696 1.0 0.8543164594863409 S1 True

121

[ 0.65208868 0.36436606 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8097520223990151 0.9818630067836451 0.10053013053208078 S1 True

122

[ 0.92733041 0.31816534 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3113857390023749 1.0 1.1572437742964228 S1 True

123

[ 0.64128924 0.45637326 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6080955840781743 0.896475672782172 -0.010303101668231647 S1 True

124

[ 0.66160737 0.17161368 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0121967712969977 1.0 0.4027533998746657 S1 True

125

[ 0.71677318 0.70314576 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3786258035254466 0.7775694496182032 -0.09210025802152012 S1 True

126

[ 0.61686537 0.1987552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9249061385082782 1.0 0.23542085995972428 S1 True

127

[ 0.96513257 0.24472847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.177919359194772 -0.24364880036639272 1.6798490831850492 S1 False

128

WARNING:root:Hit Constraint

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

[ 0.58589671 0.27156174 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.746853877562987 0.9556908659795058 0.07493891593448121 S1 True

129

[ 0.55787964 0.34785767 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4740296102274233 0.8341185886567719 -0.046048179632806906 S1 True

130

[ 0.75055252 0.14141155 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0677965788561514 1.0 0.7977234263275225 S1 True

131

[ 0.61446368 0.52012338 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.317496669092245 0.7443999986608032 -0.09933771774506805 S1 True

132

[ 1. 0.95664684 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.935368225324631 1.0 0.17503651311634685 S1 True

133

[ 0.88581033 0.23655491 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2682795765254955 1.0 1.190672160677464 S1 True

134

[ 0.56607606 0.22107307 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7643101692834025 0.9628915412071896 0.0940485837907305 S1 True

135

[ 0.71677318 0.76871306 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.184982545241137 0.666590372411741 -0.134689539836314 S1 True

136

[ 1. 0.30181578 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1816275897096282 -0.1964609416242295 1.6923247508405654 S1 False

137

WARNING:root:Hit Constraint

[ 0.59694922 0.14000895 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9423134665765054 1.0 0.27549212682092855 S1 True

138

[ 0.57359834 0.4587824 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2569694219574845 0.71087259090683 -0.1091034028531906 S1 True

139

[ 0.66211447 0.62850535 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2798273908889357 0.7219807560218281 -0.11218745726829947 S1 True

140

[ 0.66031322 0.0837479 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0459580881184993 1.0 0.5805853222785299 S1 True

141

[ 0.58218225 0.04889788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9894083160118745 1.0 0.39549857011899414 S1 True

142

[ 0.87195115 0.48608186 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0527171577571885 1.0 0.5010450381716826 S1 True

143

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 1. 0.98123511 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.910669763569395 1.0 0.14750430854268157 S1 True

144

[ 0.53037216 0.19145018 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6913049956733934 0.9330077920663473 0.05972287868479853 S1 True

145

[ 0.84295133 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2512095120249354 0.7038359878613341 -0.1253584437874592 S1 True

146

[ 0.85648306 0.16137004 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1855109509241326 1.0 1.2843431413608208 S1 True

147

[ 1. 0.79507866 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0375918460672713 1.0 0.39040261571595397 S1 True

148

[ 0.86256749 0.62705992 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9803707717748917 1.0 0.2531448130840814 S1 True

149

[ 0.49511362 0.23003449 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4534904610747335 0.824740844025386 -0.03802517809315917 S1 True

150

[ 0.53360235 0.05165055 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9031303789166951 1.0 0.2563241690481075 S1 True

151

[ 0.6950882 0.33243397 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9471722923775059 1.0 0.23590851487646025 S1 True

152

[ 0.96009672 0.87321283 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9387154361132786 1.0 0.18109942222314063 S1 True

153

[ 1. 0.92316192 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9646139287282964 1.0 0.21456713964764018 S1 True

154

[ 0.49653251 0.05209404 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8082852642051297 0.9805267847952067 0.16765386778840913 S1 True

155

[ 0.70656081 0.07139277 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0655420458715636 1.0 0.7978532163663359 S1 True

156

[ 0.51058482 0.32259376 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2860806002927223 0.7298204556831953 -0.09231469554989756 S1 True

157

[ 0.52751638 -0.01731296 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9563847211860146 1.0 0.36324186200594727 S1 True

158

[ 0.46588157 -0.02418973 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8282966531072498 0.9881986053868521 0.2132446005258195 S1 True

159

[ 1. 0.76098795 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0483004062428276 1.0 0.4447366124393389 S1 True

160

[ 0.95135519 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7533326748088407 0.9583638315888791 0.03396790710824843 S1 True

161

[ 0.71635954 0.35267003 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9659722941601583 1.0 0.26044786273764875 S1 True

162

[ 0.45617363 0.10228482 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5695935206558975 0.8830581493662802 0.02519394487103497 S1 True

163

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

164

[ 0.52950102 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

165

[ 0.33333333 -0.34805205 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8917676700770913 0.9306888267667939 0.025874347477450703 S3 True

166

[ 0.33333333 -0.28432502 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8136962830980285 0.983106518920761 0.04611091489121391 S1 True

167

[ 0.35810991 -0.31782774 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.913501740610044 1.0 0.07918089794809995 S1 True

168

[ 0.42774227 -0.11131423 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8411326752849635 0.9928142557350815 0.26844078451427145 S1 True

169

[ 0.46049677 -0.14564737 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9491674774345427 1.0 0.43184134830614 S1 True

170

[ 0.37202777 -0.12835979 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.690677192427149 0.9361390755663597 0.1645159875272713 S1 True

171

[ 0.5391324 -0.10487597 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.024695997425118 1.0 0.6006867704678275 S1 True

172

[ 0.36832003 -0.05181312 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5167245849918352 0.8643431089033964 0.04909068718357969 S1 True

173

[ 0.52552883 -0.08659904 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0015275139222193 1.0 0.5065254088228277 S1 True

174

[ 0.42264419 -0.25781615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9751278217683603 1.0 0.2552344890806149 S1 True

175

[ 0.33333333 -0.03274528 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2810709274742509 0.7412108192137856 -0.03118126927246629 S1 True

176

[ 0.43228503 0.16014476 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3008375213017191 0.7426469834619611 -0.06836800886548575 S1 True

177

[ 0.56342227 -0.10513387 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.042485957981088 1.0 0.6956683621271448 S1 True

178

[ 0.48648388 -0.22100349 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0271840209179 1.0 0.5031997586157255 S1 True

179

[ 0.35569192 -0.40064359 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9765260821991544 1.0 0.05648136254739625 S1 True

180

[ 0.33333333 -0.47187382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.990034579313442 1.0 0.009820544744312562 S1 True

181

[ 0.66904353 0.02900913 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0609329172623037 1.0 0.7543813204850238 S1 True

182

[ 0.63520095 -0.07169152 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.063848869732753 1.0 0.9084007428127964 S1 True

183

[ 0.40451755 0.13877279 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.196333119413778 0.6854128012990365 -0.0884573181405875 S1 True

184

[ 0.42655177 -0.33864815 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0229246963420677 1.0 0.2195452850247048 S1 True

185

[ 0.49116951 -0.27947345 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0465130470145705 1.0 0.428688183324675 S1 True

186

[ 0.54405373 -0.23514599 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0573436537566496 1.0 0.6776966496793031 S1 True

187

[ 0.52215121 0.39655824 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1267690920791895 0.6376374242489116 -0.13020780644852428 S1 True

188

[ 0.74426041 0.06133759 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0693072857482777 1.0 1.0077637520783462 S1 True

189

[ 0.73372637 0.34025681 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9990618949161525 1.0 0.3251860678587035 S1 True

190

[ 0.83799691 0.35208927 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064436079456103 1.0 0.6463502632356591 S1 True

191

[ 0.6009155 -0.18761237 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.273748754816106 1.0 1.1644586447274559 S1 True

192

[ 0.79094472 0.0537017 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1450748639608768 1.0 1.2973410547935256 S1 True

193

[ 0.70206888 -0.05067001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2580218959947025 1.0 1.1827749680912052 S1 True

194

[ 0.48511374 -0.35892427 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.086865558082379 1.0 0.3680863257637216 S1 True

195

[ 0.48985265 0.33314822 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1220497180302291 0.6364809391588817 -0.12618236865383078 S1 True

196

[ 0.37988831 -0.42586048 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0164621478792055 1.0 0.09938704320657528 S1 True

197

[ 0.33333333 0.01654265 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1271161221173478 0.6537709155659241 -0.0791388801938266 S1 True

198

[ 0.42769486 0.20078452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1468341974434528 0.6549697265534612 -0.1075016805804671 S1 True

199

[ 0.6235601 0.57552079 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2057500008678177 0.6801278924100054 -0.125153818447864 S1 True

200

0.9850746268656716

0.09668111103642292

[0.996795 0.60726709]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69754128 -0.99345971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3278724942388927 1.0 1.1999876082077854 S1 True

0

[ 0.75550289 -0.9665684 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34466883180851404 1.0 1.5717112541605427 S1 True

1

[ 0.72515287 -0.92657001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32657714143806216 0.9979108771382885 1.3682792460772795 S1 True

2

[ 0.80146878 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35567130784147355 1.0 1.9237548254675185 S1 True

3

[ 0.854201 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37279347588178935 1.0 2.403194151859528 S1 True

4

[ 0.89053222 -0.94578825 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.408809065045975 1.0 2.788902134040557 S1 True

5

[ 0.648305 -0.92691667 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31998602487231514 1.0 0.9382961993897984 S1 True

6

[ 0.934954 -0.92945054 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36815754541639445 1.0 3.33066233174982 S1 True

7

[ 1. -0.74714969 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3995356148729367 1.0 4.299508533659101 S1 True

8

[ 0.95172824 -0.80787652 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38810754921706525 1.0 3.5620896298252362 S1 True

9

[ 0.99115346 -0.92344034 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3819111530892637 1.0 4.146345906119266 S1 True

10

[ 0.96609213 -0.62914318 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3619702233482283 1.0 3.7875349377732244 S1 True

11

[ 0.98501258 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4011291911675366 0.8708209863221966 4.047751698958761 S1 True

12

[ 0.91980367 -0.71089156 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38037784099984395 1.0 3.147107329626541 S1 True

13

[ 0.90095409 -0.63015096 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3611287711289506 1.0 2.9283763818805513 S1 True

14

[ 0.90559106 -0.53655162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3332041770677541 1.0 3.0048567883836483 S1 True

15

[ 0.86254961 -0.55273905 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3412912278956106 0.9899519257830355 2.5198015750182043 S1 True

16

[ 0.84727141 -0.77567771 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3621153493907272 1.0 2.340361430249589 S1 True

17

[ 0.80657053 -0.72524725 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34437550801321 1.0 1.9734369290273313 S1 True

18

[ 0.9549017 -0.49767372 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3444001151321933 1.0 3.6683262450836236 S1 True

19

[ 0.77631947 -0.65132517 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3334516680084649 0.986517902350636 1.735454609303896 S1 True

20

[ 0.65860068 -0.84791999 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29841897272103374 1.0 0.990387862328095 S1 True

21

[ 0.66137263 -0.7459625 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30158621514377193 0.9748419717150902 1.0066906177302362 S1 True

22

[ 0.69438647 -0.63285064 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3368748593095367 0.6218830012469484 1.1916585939908488 S1 True

23

[ 0.90559106 -0.43354636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36136836532169153 0.8608501418153318 3.0552742659442496 S1 True

24

[ 1. -0.45929713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3500313128350149 1.0 4.3935789010306605 S1 True

25

[ 0.83022849 -0.47872562 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35603748670390484 0.8703239641671703 2.224990569985491 S1 True

26

[ 0.99615857 -0.39260668 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34811331835199383 0.9937422786738198 4.400570216079299 S1 True

27

[ 0.77393609 -0.5249965 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3548387429250704 0.6316130562273526 1.7354164702743466 S1 True

28

[ 0.62611334 -0.73214503 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30824256686743573 0.7295541807561928 0.8370537185371477 S1 True

29

[ 0.90937612 -0.34978795 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3670120762041072 0.6535431439249175 3.1924026306149065 S1 True

30

[ 0.59742945 -0.77100337 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.29412411666124333 0.8219987629414203 0.7122812998359762 S1 True

31

[ 0.57979749 -0.89601719 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2748391141330024 0.9859321895882857 0.6404765007180376 S1 True

32

[ 0.57937321 -0.99774471 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2543664109554735 1.0 0.6382616492471319 S1 True

33

[ 0.93942187 -0.28810692 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.349593745970686 0.6513830031854403 3.747028352247663 S1 True

34

[ 0.54572648 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2643527382483583 0.8298059415701423 0.517326063663098 S1 True

35

[ 0.53393044 -0.97884367 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2598374165158167 0.9907234076151002 0.47644801661893627 S1 True

36

[ 0.99404017 -0.27008197 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3695635058008592 0.9042783598522688 4.711645762152893 S1 True

37

[ 0.80103231 -0.42214729 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36723254074275674 0.8084174037371491 1.9908472879096948 S1 True

38

[ 0.54320188 -0.74547496 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2724985025061735 0.9705325162002112 0.5097586832543163 S1 True

39

[ 0.50095036 -0.6989436 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.19599917548570875 0.7648295773301804 0.3768408326119673 S1 True

40

[ 0.8067776 -0.32291026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35824080818242426 0.8242534615543562 2.1318498268423602 S1 True

41

[ 0.7648286 -0.32344235 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6148961032044835 0.5845793359202032 1.7794076153949623 S1 True

42

[ 0.49815939 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22654408671380472 0.9790966070850613 0.36566446771167144 S1 True

43

[ 0.53650821 -0.65176184 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2225421163240327 0.7470039342252501 0.4898404122423333 S1 True

44

[ 0.8036019 -0.2363089 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.43023475569752034 0.3832969837756178 2.34528734078385 S1 True

45

[ 0.48816578 -0.90182305 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2229895668494071 0.7024964105398984 0.337498607463323 S1 True

46

[ 0.45644698 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.18984000909908522 0.963200417097964 0.252710685307726 S1 True

47

[ 0.75791951 -0.79385015 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3480245784615167 0.8886750105398528 1.591890963062919 S1 True

48

[ 1. -0.1941811 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3937372317015075 0.6589243014389565 6.145831902653526 S1 True

49

[ 0.5019944 -0.61290838 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36699694829096474 0.057604663428366225 0.38280526874336285 S1 True

50

[ 0.9467647 -0.20361164 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34774254571809377 0.7155919443330608 4.768480387630378 S1 True

51

[ 0.97755461 -0.117418 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3521384754239643 0.7118272741198222 4.572605288717066 S1 True

52

[ 0.6262834 -0.62720931 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31230554225543616 0.9788857002197775 0.8424170082472793 S1 True

53

[ 0.5729699 -0.56409852 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.47252315444866105 0.46489255805403906 0.6248075164419482 S1 True

54

[ 0.63295932 -0.53062908 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2763966700866847 0.7522861462239502 0.8821335312122714 S1 True

55

[ 0.94042796 -0.10235744 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5774541533159468 0.646624547335014 3.803703833383498 S1 True

56

[ 0.73718665 -0.42573844 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3180100326128603 0.9087761149964427 1.501065293293014 S1 True

57

[ 0.94153483 -0.03430687 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4458356192617216 0.42281011163933635 3.173562954078269 S1 True

58

[ 0.67907681 -0.39875577 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41652177377564775 0.24657020342823394 1.1522027745234158 S1 True

59

[ 0.45834154 -0.72344966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1068443238883324 0.6366021972107173 0.25963535449996233 S1 True

60

[ 0.89864594 -0.12857994 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6696036521804998 0.5318592828277035 3.475871892461624 S1 True

61

[ 0.41200519 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1754685877341832 0.7661729707204118 0.14899081083774743 S1 True

62

[ 0.43240218 -0.85431793 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.14440051019994743 0.9195335717311203 0.19520813948623963 S1 True

63

[ 0.92199212 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3683413686051474 1.0 3.162845638828234 S1 True

64

[ 0.38880473 -0.84197965 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.04935221353767338 0.83931740791785 0.10142335460294187 S1 True

65

[ 0.36705169 -0.78813398 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23422486855514915 0.08555474005972272 0.05997975680925862 S1 True

66

[ 0.89379871 -0.24151895 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34193540174835635 0.7718935637230835 3.339418106845642 S1 True

67

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

68

[ 0.99406524 -0.06347376 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40637343576380036 0.7049878667283687 4.212689882595585 S1 True

69

[ 0.3775864 -0.99439333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13350365165302508 0.9773798613182685 0.07892888440783606 S1 True

70

[ 0.33333333 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.018971404159603567 0.9379680227587386 0.0002385128895633941 S1 True

71

[ 0.33333333 -0.92381221 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.030451835801313464 0.8607983977954827 0.00040420692492862794 S1 True

72

[ 0.60387325 -0.49480246 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40271696899212 0.1994633320359639 0.7571593617240285 S1 True

73

[ 1. -0.58603351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3748160307802589 1.0 4.32859605449361 S1 True

74

[ 0.86654863 -0.13088458 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6934539899363408 0.35319688734339144 3.0814754006031615 S1 True

75

[ 0.42375845 -0.72355933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.28336006970164795 0.2997905707931491 0.1767885823462611 S1 True

76

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

77

[ 1. 0.02393158 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6995693818408006 0.6249168472595958 3.428108386416599 S1 True

78

[ 1. -0.8406951 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3733134528421587 1.0 4.292908110871317 S1 True

79

[ 0.84592422 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.16465244 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.6522424 0.39390894 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 200 [ 1. -0.58259976]S3 True

82

[ 1. 0.5603253 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0731433464435316 1.0 0.8486322771645485 S3 True

83

[ 1. 0.61351093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]WARNING:root:Warning: 1 unsafe points removed. Model might be violated

2.071082898191902 1.0 0.7255234208122878 S1 True

84

[ 0.97556003 0.62242384 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.065444911729064 1.0 0.6104429777123951 S1 True

85

[ 0.95337778 0.54469965 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.069027133986016 1.0 0.6845975307481751 S1 True

86

[ 1. 0.47822861 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4112824943888826 1.0 1.0671840811219253 S1 True

87

[ 0.99512826 0.71209002 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0573467149465063 1.0 0.5123139247538854 S1 True

88

[ 1. 0.80972902 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.031888674866008 1.0 0.368104245508717 S1 True

89

[ 1. 0.37300093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1600788798746835 1.0 1.4098945344963585 S1 True

90

[ 0.96062942 0.37610035 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.308930061665931 1.0 1.1602510615123232 S1 True

91

[ 0.9769606 0.86463206 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.974229377189375 1.0 0.23117605349593584 S1 True

92

[ 0.93526237 0.66445682 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.037912423446188 1.0 0.3997820960921158 S1 True

93

[ 0.90559106 0.53418491 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0569623972606745 1.0 0.5273311453950097 S1 True

94

[ 0.9052347 0.74748301 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9529301390837817 1.0 0.20390041204013695 S1 True

95

[ 0.8818501 0.46249498 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.061254181131108 1.0 0.5808822976364195 S1 True

96

[ 0.8688466 0.58668349 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0133604958428117 1.0 0.32619498276314896 S1 True

97

[ 0.90559106 0.85283636 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.837360087000466 0.9943914266402387 0.08830324543994517 S1 True

98

[ 0.82584215 0.53626253 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9921800465566466 1.0 0.28279144474432527 S1 True

99

[ 0.81118212 0.44753088 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.024762889008661 1.0 0.37569661882389044 S1 True

100

[ 0.79961899 0.59400651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8953239876170553 1.0 0.14713341631198418 S1 True

101

[ 0.80472589 0.7025269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7599220654862833 0.9611316459579017 0.044819550510725475 S1 True

102

[ 0.85489604 0.35696218 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.06791034340077 1.0 0.7025762431073578 S1 True

103

[ 0.80691604 0.33477776 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.057054757891388 1.0 0.5668099612605045 S1 True

104

[ 0.83577474 0.80980092 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.680264207032872 0.9270537934325754 0.0025505648943512107 S1 True

105

[ 0.99173022 0.92905986 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9455511018517857 1.0 0.1881781100097742 S1 True

106

[ 0.90559106 0.94782868 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6834643371095819 0.9283729566248998 0.0011779300311732957 S1 True

107

[ 0.76350322 0.49174095 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9267900177512314 1.0 0.18866014776479426 S1 True

108

[ 0.75760211 0.64206405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.701151839668454 0.9361280332962472 0.017699983773753945 S1 True

109

[ 0.71589802 0.50266383 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.79446698999083 0.975653600127153 0.07645829240215962 S1 True

110

[ 0.71677318 0.41196588 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9125450021510109 1.0 0.18170793000525873 S1 True

111

[ 0.73697277 0.2963906 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.025548732654832 1.0 0.4075102725500768 S1 True

112

[ 0.68678581 0.33922543 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9252371710113017 1.0 0.20662433876935843 S1 True

113

[ 0.70081014 0.23005374 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0225293565077176 1.0 0.41540048625299586 S1 True

114

[ 0.78861566 0.80199933 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4939913831805036 0.8422927408378131 -0.06372397105220758 S1 True

115

[ 0.80304907 0.25462413 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067577326641033 1.0 0.7311121398944196 S1 True

116

[ 0.90559106 0.2965762 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3436941170314476 1.0 1.105320681404788 S1 True

117

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

118

[ 0.65634517 0.4299432 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.717684219402624 0.9433294117722306 0.03977813303294179 S1 True

119

[ 0.65946431 0.19690836 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.995021416278648 1.0 0.35138121255515253 S1 True

120

[ 0.62293783 0.30906839 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.804969641222631 0.9797480411921599 0.10500623875876522 S1 True

121

[ 1. 0.29486396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1855976206233432 -0.18894357181611227 1.7225085696058318 S1 False

WARNING:root:Hit Constraint

122

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.71321617 0.16228706 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.053298338983343 1.0 0.5950902688713308 S1 True

123

[ 0.83570388 0.20040518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0703425065831738 1.0 1.0339414280736254 S1 True

124

[ 0.62496798 0.47665002 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4881574916496065 0.8406234537063569 -0.05234156394128303 S1 True

125

[ 0.69218485 0.59901271 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5176472226168876 0.855835018326674 -0.05002032871756284 S1 True

126

[ 0.66464803 0.10304897 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.042929237798238 1.0 0.5522058401490401 S1 True

127

[ 0.61252194 0.17950475 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9349573715323856 1.0 0.25351347618632963 S1 True

128

[ 0.95275892 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7579815908904732 0.9603496389490216 0.03644731802204783 S1 True

129

[ 0.83085303 0.91423559 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4244594687354215 0.8027588633453203 -0.08495586342121882 S1 True

130

[ 0.85939512 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3471532121790828 0.7587031690347239 -0.10485630250534146 S1 True

131

[ 0.5903744 0.09416689 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.969183008933148 1.0 0.3350682631951265 S1 True

132

[ 0.74655463 0.13426162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.067675385511072 1.0 0.7995918717969007 S1 True

133

[ 0.72167261 0.72350624 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3495838177868953 0.7610149486002127 -0.09958332052641787 S1 True

134

[ 0.58565723 0.25511294 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7728643124270835 0.9664049905359247 0.09305398540622364 S1 True

135

[ 0.61243443 0.02504093 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0331914882239697 1.0 0.5449859014948341 S1 True

136

[ 0.65530547 -0.00826708 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0619823161347006 1.0 0.8018845434311943 S1 True

137

[ 0.54095951 0.21997357 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.677818353340614 0.9272596118660965 0.04784757689883602 S1 True

138

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108392 1.0 0.12730253648292775 S1 True

139

[ 0.52659067 0.1155534 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8042835593262936 0.9790586062020599 0.14511043732383366 S1 True

140

[ 0.62404504 0.55314032 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.277173905852282 0.7211683393408025 -0.10976882346778771 S1 True

141

[ 0.72259575 0.0067971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.354364465520509 1.0 1.0812846787359567 S1 True

142

[ 0.527892 0.28831243 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4723907773700056 0.8340809499542113 -0.03999991182324707 S1 True

143

[ 0.57350824 -0.01711236 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0170045648459163 1.0 0.5073016305019405 S1 True

144

[ 0.78605325 0.0882783 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3239754009705194 1.0 1.139189712002739 S1 True

145

[ 0.8762376 0.16581526 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1545178035971215 1.0 1.3910680746889699 S1 True

146

[ 0.53890054 0.3755553 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.29741306321595 0.7351275209563212 -0.0944527617915021 S1 True

147

[ 0.52449354 -0.04393062 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9721703410326281 1.0 0.40800183699304055 S1 True

148

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

149

[ 0.75522559 0.84037675 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2018566541984852 0.6759585567476939 -0.13286973201419064 S1 True

150

[ 0.79378836 0.44626241 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0077651431817576 1.0 0.3279548763460537 S1 True

151

[ 0.79640862 0.52052971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9603218323291156 1.0 0.22973852804455083 S1 True

152

[ 0.54587667 0.02122185 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9554309683280149 1.0 0.3423365935089261 S1 True

153

[ 0.68328355 -0.03041732 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0674182369916445 1.0 1.0060658596353107 S1 True

154

[ 0.81489102 0.96403974 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1882922023912899 0.6676629952299034 -0.13701418426880224 S1 True

155

[ 0.58562415 -0.05339923 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.040979170625116 1.0 0.6406303873051581 S1 True

156

[ 0.50025495 0.03695437 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8397723489232471 0.9929701659846959 0.19853438596395126 S1 True

157

[ 0.51949663 -0.07817607 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9887870702926138 1.0 0.46687159957684293 S1 True

158

[ 0.80381676 0.22155758 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0700222987093055 1.0 0.8187088255718235 S1 True

159

[ 0.85713741 0.64471557 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9583413587679224 1.0 0.21698424422280754 S1 True

160

[ 0.87128567 0.38221164 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0687042080529987 1.0 0.7116451150852828 S1 True

161

[ 0.54130505 -0.12362802 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.033787248099201 1.0 0.6600739340176108 S1 True

162

[ 0.46522955 0.09039396 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6330292066066578 0.9097977823391898 0.05472604751105379 S1 True

163

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

164

[ 0.33333333 0.58543794 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

165

[ 0.33333333 -0.36920185 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9132844846237635 0.9392793981853109 0.02171848370698472 S3 True

166

[ 0.34830713 -0.31913438 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.894056494672925 1.0 0.060280179573907536 S1 True

167

[ 0.33333333 -0.26189295 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7812517295523898 0.971545509185231 0.05835123093511911 S1 True

168

[ 0.3690322 -0.24575026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8591721986597312 0.9989712640847095 0.14228485940074553 S1 True

169

[ 0.42774227 -0.11617118 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8474343984917387 0.9951892984727692 0.27739739347899184 S1 True

170

[ 0.38982982 -0.09925361 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7034531068120442 0.9405599446077092 0.15803375028127448 S1 True

171

[ 0.46968908 0.15030178 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5226367068897497 0.8620433541490519 -0.0023521854959958383 S1 True

172

[ 0.33333333 -0.14518313 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5670636437469514 0.8882313483198447 0.10839795721789064 S1 True

173

[ 0.46767881 -0.19465182 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.994842562280391 1.0 0.5782850616334162 S1 True

174

[ 0.36448327 -0.01962839 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4186316063960869 0.8139362371635129 0.004401312235000684 S1 True

175

[ 0.7109691 0.13518694 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.057695888821596 1.0 0.6498097195270487 S1 True

176

[ 0.42774227 -0.29140565 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.002587219671226 1.0 0.2431729580622449 S1 True

177

[ 0.33333333 -0.4394437 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9704461434134304 1.0 0.012527189770844686 S1 True

178

[ 0.62280194 0.11028537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0025326762634417 1.0 0.3999407960481792 S1 True

179

[ 0.45041616 0.17435596 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3636258173963935 0.7767852375625334 -0.05481050837746226 S1 True

180

[ 0.62252338 -0.11117394 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.06409914105412 1.0 0.9825000141834686 S1 True

181

[ 0.38176315 -0.37789694 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9963747300084502 1.0 0.110628925155529 S1 True

182

[ 0.50933231 -0.22935554 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0447348432449717 1.0 0.5602870032092546 S1 True

183

[ 0.33333333 -0.00421066 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1943031546513145 0.6922146130458854 -0.05977476518142886 S1 True

184

[ 0.33333333 -0.44888287 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9766731658847254 1.0 0.011664186669715974 S1 True

185

[ 0.47799826 -0.33128289 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3870929557082246 1.0 0.357866072488229 S1 True

186

[ 0.57502818 0.0264446 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.994459219066655 1.0 0.4183669123940639 S1 True

187

[ 0.47979276 -0.29622713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0445743887526215 1.0 0.3816173844289342 S1 True

188

[ 0.41118641 0.10029996 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3499815010216092 0.7718501395249686 -0.045101865317951094 S1 True

189

[ 0.72195999 0.13313367 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.061798243596545 1.0 0.6985265504000422 S1 True

190

[ 0.47559107 0.26214161 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2568052202261868 0.7148811663593728 -0.09245452536409073 S1 True

191

[ 0.56120891 -0.21568386 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9765180882919222 1.0 0.8146126032685048 S1 True

192

[ 0.41647693 -0.41636615 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.253891522944154 1.0 0.17832406869886172 S1 True

193

[ 0.58092367 0.19608043 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8447389755711079 0.9958383865780895 0.15584468599853554 S1 True

194

[ 0.33333333 -0.5190215 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1589852964775484 1.0 0.006945191258474857 S1 True

195

[ 0.67678096 -0.10239016 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1464710013140782 1.0 1.2456674241511467 S1 True

196

[ 0.42774227 0.19385006 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1697374214142922 0.6681829729166736 -0.1020955669501113 S1 True

197

[ 0.65454056 -0.11978966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.241893661224827 1.0 1.1880252295548632 S1 True

198

[ 0.39773048 -0.47535851 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.05122059553097 1.0 0.13057047128433755 S1 True

199

[ 0.33333333 0.02353116 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1036733603052251 0.6402565717048418 -0.08540530033321132 S1 True

200

0.9950248756218906

0.09511548574528898

[1. 0.5603253]

0.3176632946750242 1.0 1.0304102726339486

0.3840498126472231 1.0 2.2043062026734246

0.4249372166050127 1.0 4.309950571676593

[ 0.69782898 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3287433485074375 1.0 1.2016151428343538 S1 True

0

[ 0.70069037 -0.9447452 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33866825804829964 0.9947172359036163 1.2186742114839169 S1 True

1

[ 0.78775062 -0.93857537 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36557223885822576 1.0 1.8133024689952013 S1 True

2

[ 0.809997 -0.85709689 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3607680974936558 1.0 1.9975907331227423 S1 True

3

[ 0.85471516 -0.81992251 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37118447573950825 1.0 2.4118995169592456 S1 True

4

[ 0.83409016 -0.75287429 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3452044959378171 1.0 2.2161071265832595 S1 True

5

[ 0.87475318 -0.69330377 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35676072148570764 1.0 2.626510802096946 S1 True

6

[ 0.90636026 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3687768418860553 1.0 2.9762466479142056 S1 True

7

[ 0.96992885 -0.79502139 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36727098684312437 1.0 3.82485748495315 S1 True

8

[ 0.90559106 -0.61439604 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34541087402376874 1.0 2.9860111278976 S1 True

9

[ 0.84529419 -0.62962511 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35116827221063984 1.0 2.333009137538732 S1 True

10

[ 0.78703922 -0.68749359 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33566619524154745 1.0 1.8159695822222948 S1 True

11

[ 0.77733111 -0.59346651 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3275543674723879 0.9618326088017499 1.749530917960033 S1 True

12

[ 0.92951533 -0.53541862 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.35154572513451426 1.0 3.305113696934911 S1 True

13

[ 0.80825905 -0.51518715 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36436734254190034 0.9307563120697943 2.0163046891105267 S1 True

14

[ 0.86939676 -0.47524351 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3589601833820256 0.6310368355557825 2.6178382072423703 S1 True

15

[ 0.86702005 -0.97135431 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3997382015458473 1.0 2.5338748832842244 S1 True

16

[ 1. -0.54432308 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.39566331010442235 1.0 4.343539959339577 S1 True

17

[ 0.62305756 -0.9927873 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3107326247354333 0.9794779422267313 0.8197815873796441 S1 True

18

[ 0.91119766 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.412599820378887 1.0 3.0296703157257605 S1 True

19

[ 0.66266263 -0.88473204 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3157470169440179 1.0 1.010627195158979 S1 True

20

[ 0.72342913 -0.7909182 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3352193748790604 1.0 1.359716843509824 S1 True

21

[ 0.5909944 -0.94214734 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.27842577673957225 0.9928325783514069 0.6841804999454437 S1 True

22

[ 0.96263311 -0.96595483 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38533877622997803 1.0 3.711799283522569 S1 True

23

[ 0.63481884 -0.80208025 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2802739472498047 0.9778434594371133 0.875465485305152 S1 True

24

[ 0.66621612 -0.70922005 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.31720137389679315 0.9824091731531697 1.0329918772823108 S1 True

25

[ 0.56648841 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2612430817270754 1.0 0.58974469911683 S1 True

26

[ 0.62689089 -0.67549484 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.318921384036385 0.8962305949015118 0.8426415852532992 S1 True

27

[ 1. -0.98631732 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.41711725281939693 1.0 4.2883363025885695 S1 True

28

[ 0.58382369 -0.71106135 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.30430699697658087 0.9853887283915501 0.659165748493909 S1 True

29

[ 0.54744041 -0.85611949 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2765538116423898 0.9570215170782801 0.5227287775332023 S1 True

30

[ 0.71677318 -0.58020925 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38689194095951457 0.7288431521860992 1.3309765806216822 S1 True

31

[ 1. -0.86558823 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.377869293440539 1.0 4.291766532204688 S1 True

32

[ 0.51834712 -0.98045333 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.23079018345850805 0.9814249854063475 0.4265238913512803 S1 True

33

[ 0.4798699 -0.94501951 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.20237433045792688 0.9482850591760212 0.31431288420972825 S1 True

34

[ 0.53796387 -0.68863931 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.232924958524483 0.8839738920412161 0.49346332647450336 S1 True

35

[ 1. -0.46303856 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3433608503299926 1.0 4.3906025442803145 S1 True

36

[ 1. -0.37503713 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.34731442322705075 0.9882740204087653 4.492854084358633 S1 True

37

[ 0.48797876 -0.81118212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.22327289237245423 0.9584764355157536 0.33767669353213237 S1 True

38

[ 1. -0.29460571 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3693364445236035 0.9882995405854039 4.702734763351672 S1 True

39

[ 0.45336925 -0.76864034 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13256048114334879 0.8062976056182735 0.24643987844291088 S1 True

40

[ 0.4523609 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1604416362806552 0.9626384777937433 0.24249608302783612 S1 True

41

[ 0.95406396 -0.38755691 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3458200596679375 0.9645130202908566 3.7469531448472977 S1 True

42

[ 0.7375161 -0.48860342 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3468083338346 0.8615131965096308 1.482190688545739 S1 True

43

[ 0.42627807 -0.92468052 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.1788910919117263 0.9758549887336219 0.18080759415374806 S1 True

44

[ 0.58278875 -0.60508788 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.25190941028697317 0.7975320486276477 0.659775936940146 S1 True

45

[ 0.73505505 -0.39545981 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.40584235833882315 0.7719875467946955 1.5013410826020512 S1 True

46

[ 0.7809113 -0.39447995 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.32985624829908106 0.8441738690973792 1.8413532926844636 S1 True

47

[ 0.99037976 -0.21336538 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3606499763691456 0.6565593113581696 5.260236135047312 S1 True

48

[ 0.78537054 -0.3152518 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5517932615449995 0.7152459592831666 1.9568295325938787 S1 True

49

[ 0.54857805 -0.55241659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.3796366506078155 -0.07868931217352056 0.5367751482891686 S1 False

WARNING:root:Hit Constraint

50

[ 0.66968438 -0.5139176 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.2968743068799327 0.9059455218019883 1.0684661748823923 S1 True

51

[ 0.4016074 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.13875010282200506 0.9576061421661397 0.12693723980693167 S1 True

52

[ 0.39252661 -0.85656498 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.057653685941181594 0.8142827995373519 0.1088122233969679 S1 True

53

[ 0.79832788 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3621158541088136 1.0 1.8978602812629302 S1 True

54

[ 0.94169809 -0.29254084 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3629252369573149 0.6498528742860481 3.765007714234461 S1 True

55

[ 0.67035925 -0.40655195 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.415302932776565 0.20734362826024186 1.1006511697097263 S1 True

56

[ 0.41117936 -0.73723075 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3061761096940626 0.276897579721129 0.14883239465665649 S1 True

57

[ 0.77619645 -0.24165988 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7433134609664929 0.18660477453298752 2.065092777838654 S1 True

58

[ 0.89979251 -0.32050132 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38579412331135676 0.670241377189344 3.124869110064183 S1 True

59

[ 0.83157445 -0.26694693 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5455821186280446 0.7481113222098709 2.4939770297815067 S1 True

60

[ 0.47939365 -0.67356802 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.33247389845941616 0.44503157612558963 0.3162594311314449 S1 True

61

[ 0.6044984 -0.52165262 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.5286608444977259 0.45172640232830535 0.7560583448902811 S1 True

62

[ 0.95536613 -0.62236424 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36778220316969 1.0 3.6337994516997973 S1 True

63

[ 0.73596808 -0.31238462 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4283885477694724 0.2218691167347457 1.5788094198910676 S1 True

64

[ 0.74950316 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.37088613237221596 1.0 1.5294492296478084 S1 True

65

[ 0.90559106 -0.23156274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3442611141022927 0.7633859434750642 3.576685127141709 S1 True

66

[ 0.90222722 -0.1492975 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.6265420569259371 0.6132778239442283 3.737646241180138 S1 True

67

[ 0.90174821 -0.10739137 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.7537291306429496 0.4652957308943293 3.3149255074528847 S1 True

68

[ 0.34658302 -0.90520274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.0087627916925574 0.8552654670683625 0.022779502820209734 S1 True

69

[ 0.33788238 -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.011769373791793117 0.9424313934998525 0.007783202640927826 S1 True

70

[ 0.35646665 -0.8272539 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]-0.08916117017908341 0.3385496250945808 0.04046422532594987 S1 True

71

[ 0.857067 -0.16247227 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.4341155502224612 0.42565951274163216 3.2509651402457433 S1 True

72

[ 1. -1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.38343232049692166 1.0 4.288099414610007 S1 True

73

[ 1. -0.1485213 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.36247730858667043 0.674268707282309 5.418888342823284 S1 True

74

[ 0.99531642 -0.08512677 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3602412442434818 0.7010136508886298 4.484716911240679 S1 True

75

[ 0.90559106 -0.90245765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.3777211965617786 1.0 2.9640953446959037 S1 True

76

[ 1. -0.03069318 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.44273516588979794 0.6889090985125172 3.952535178910094 S1 True

77

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

78

[ 0.9491287 -0.04301634 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]0.437997116125789 0.5588873281174853 3.348196001631029 S1 True

79

[ 0.86272752 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

80

[ 0.33333333 0.16536883 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

81

[ 0.64779862 0.42180971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Changed action to 250 [ 1. -0.04239571]S3 True

82

[ 1. 0.52086255 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0727813450779418 1.0 0.9490212450014691 S3 True

83

[ 1. 0.46816794 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3413666059422726 1.0 1.0966599540367166 S1 True

84

[ 1. 0.6070554 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0715233821696546 1.0 0.7397715720460337 S1 True

85

[ 0.97367887 0.47341739 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0727558044913423 1.0 0.9458635619615345 S1 True

86

[ 1. 0.70804769 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.059930515031911 1.0 0.5364215252516334 S1 True

87

[ 0.97367894 0.71415475 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.046650660025154 1.0 0.4383287161521399 S1 True

88

[ 1. 0.34770312 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.166184378952768 1.0 1.5049887007491154 S1 True

89

[ 0.93550805 0.49080595 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0705469331725235 1.0 0.7302098266806129 S1 True

90

[ 0.90559106 0.5642694 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0501695275205036 1.0 0.47307653301610403 S1 True

91

[ 0.90642666 0.6819847 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.002153363329965 1.0 0.29201661887110203 S1 True

92

[ 0.9981537 0.79549777 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.036044678439312 1.0 0.3842516599881953 S1 True

93

[ 0.96720043 0.8575952 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9645373310262522 1.0 0.21629928969099563 S1 True

94

[ 0.90559106 0.81432987 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.886074735675472 1.0 0.12821538402344043 S1 True

95

[ 1. 0.37387659 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1599030107253174 1.0 1.4066999668954845 S1 True

96

[ 0.86428995 0.72470832 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8940412052240703 1.0 0.1388129138005738 S1 True

97

[ 0.85337803 0.57685314 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.001405330565387 1.0 0.2983001886461125 S1 True

98

[ 0.92587161 0.41593371 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.072688981636984 1.0 0.8681599832352619 S1 True

99

[ 0.91938684 0.31636346 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3302100807586872 1.0 1.1187013714033611 S1 True

100

[ 0.89770869 0.89445844 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7503175336597891 0.9570589920861736 0.03416526336409763 S1 True

101

[ 0.82055573 0.59984401 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9329202631766103 1.0 0.18675664389936164 S1 True

102

[ 1. 0.90711335 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9769340357506264 1.0 0.23438787740104003 S1 True

103

[ 1. 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8898905480108397 1.0 0.12730253648292775 S1 True

104

[ 0.87454704 0.4123614 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0661926773215122 1.0 0.6574911526767887 S1 True

105

[ 0.82018904 0.42872168 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.039533399097354 1.0 0.4345583309867994 S1 True

106

[ 0.9038917 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5696555280534386 0.8784516024339042 -0.04316864351638641 S1 True

107

[ 0.77686295 0.47256436 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9673123534805146 1.0 0.24556300132633607 S1 True

108

[ 0.83010189 0.79709026 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6828267647228408 0.9281623030371208 0.003998966278743833 S1 True

109

[ 0.74727901 0.55563609 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.809279119477619 0.9820012732585882 0.08206345289850467 S1 True

110

[ 0.76754682 0.68448155 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.658553839591699 0.9177940129028639 -0.0028196541828190477 S1 True

111

[ 0.87072936 0.29297325 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0720206460288515 1.0 0.936006763697133 S1 True

112

[ 0.81118212 0.29850765 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0643044186844124 1.0 0.6608879293650144 S1 True

113

[ 0.71652493 0.49727843 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8044260046115956 0.9798576075639378 0.08325589636243233 S1 True

114

[ 0.70579491 0.39677226 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.905256789780787 1.0 0.17595018333683163 S1 True

115

[ 0.71466524 0.31069032 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9935103028453478 1.0 0.3190890130118709 S1 True

116

[ 0.97336181 0.22438596 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1952268037403342 -0.1917558972151531 1.8360529344253116 S1 False

117

WARNING:root:Hit Constraint

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.67298792 0.47036507 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7050530558405872 0.937947417716031 0.030069028160570676 S1 True

118

[ 0.67930253 0.57701469 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5086420534239398 0.8514115759380325 -0.05179178211950689 S1 True

119

[ 0.78362556 0.23870292 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064776232768512 1.0 0.689870032969743 S1 True

120

[ 0.83882549 0.20211339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0600331368343885 1.0 1.0449184617161802 S1 True

121

[ 0.6550296 0.35064255 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8373752082987236 0.9934214427801764 0.12218878859613402 S1 True

122

[ 0.76463235 0.78766644 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4088474073713861 0.7942895358668264 -0.08669904041649243 S1 True

123

[ 0.61632883 0.38492162 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6516594707122005 0.9154908500845518 0.01364485803071467 S1 True

124

[ 0.83578362 0.90948789 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4617589619605007 0.823847326812648 -0.07489092244220853 S1 True

125

[ 0.63985604 0.27402046 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8944557342578763 1.0 0.18457563467045698 S1 True

126

[ 0.59265104 0.2800285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7553329586383515 0.9591793613691095 0.07844576431731266 S1 True

127

[ 0.75995776 0.18985466 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0648229310040302 1.0 0.7120809441248003 S1 True

128

[ 0.71677318 0.13709921 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0594251227404996 1.0 0.6679226486214512 S1 True

129

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.62935975 0.51339575 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.417691171475169 0.8008984397581231 -0.07444393525496247 S1 True

130

[ 0.61162015 0.17658349 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9359830922796717 1.0 0.2557086105779996 S1 True

131

[ 0.67001304 0.06933665 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0540910285269662 1.0 0.6518875125595133 S1 True

132

[ 0.70648715 0.69452205 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.345619691076603 0.7589274747341545 -0.09970433504407263 S1 True

133

[ 0.78948616 0.1138087 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4255227042463599 1.0 1.0700719378862835 S1 True

134

[ 0.87190737 0.16186966 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1538027830814723 1.0 1.3787189662521446 S1 True

135

[ 0.62561382 0.04383115 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0362245420570297 1.0 0.5481497784341495 S1 True

136

[ 0.57078593 0.37195272 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.478469709028866 0.836273371938893 -0.0470280133218257 S1 True

137

[ 0.57494127 0.10913848 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9296823713833928 1.0 0.2682975020644128 S1 True

138

[ 0.70543271 0.02765169 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.068173450553893 1.0 0.923481933640374 S1 True

139

[ 0.65917854 0.63904458 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2301439653888566 0.6935003146229709 -0.12270027830837413 S1 True

140

[ 0.83872836 0.98781053 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2625207532464504 0.710358937857061 -0.12296486848643778 S1 True

141

[ 0.59887675 0.5483971 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1333912007390423 0.6388234082549858 -0.13732048508151698 S1 True

142

[ 0.54209299 0.27403285 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5721178692922029 0.881999510593589 -0.004787431145498627 S1 True

143

[ 0.57060247 0.12628743 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9033657412390657 1.0 0.23057418028906754 S1 True

144

[ 0.51867156 0.32718269 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.3198420781546036 0.7486544141622291 -0.08499190374892947 S1 True

145

[ 0.84483526 0.4540419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.046970021505454 1.0 0.46898601331692547 S1 True

146

[ 0.68522568 0.03307884 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064726164562713 1.0 0.8131922356703938 S1 True

147

[ 0.78340237 0.04310686 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1438419355651612 1.0 1.2932408029296407 S1 True

148

[ 0.52887003 0.09492718 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8396230258247934 0.9932094960617455 0.17871927548825878 S1 True

149

[ 0.86777845 0.03607614 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.1760808815084924 -0.3315384471916108 1.9296793696327466 S1 False

WARNING:root:Hit Constraint

150

WARNING:root:Warning: 1 unsafe points removed. Model might be violated

[ 0.78191023 0.87373429 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2636733600505643 0.7113646563511689 -0.12131434540499773 S1 True

151

[ 0.48893353 0.14752382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.6139111990482526 0.9011550150774089 0.0332105358498619 S1 True

152

[ 0.78527789 0.46515756 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9851929746900696 1.0 0.27728108130290413 S1 True

153

[ 0.80000521 0.91857991 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.237424932999607 0.6961371399697689 -0.12717879433190737 S1 True

154

[ 0.5904385 -0.0126593 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.030324315343494 1.0 0.5557977276646004 S1 True

155

[ 0.4952419 0.21311997 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4957021684293934 0.8482016192925185 -0.022342564790178647 S1 True

156

[ 1. 0.87122939 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.001072786838269 1.0 0.2808779930313841 S1 True

157

[ 0.70375328 -0.00292774 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0680834886751946 1.0 1.0161621812431794 S1 True

158

[ 0.54896222 0.43054274 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1913739470422333 0.6739648143231233 -0.1205153441990949 S1 True

159

[ 0.52013165 0.02792336 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8992711495749415 1.0 0.26138658664150166 S1 True

160

[ 0.90559106 0.55969937 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.051305275141342 1.0 0.4811037726619643 S1 True

161

[ 0.67996251 0.16825773 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0310262918698014 1.0 0.46691083154901186 S1 True

162

[ 0.60192249 -0.02288001 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.041999741674081 1.0 0.6233900870117045 S1 True

163

[ 0.33333333 1. -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]S3 True

164

[ 0.33333333 -0.29102382 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8228324834904972 0.9033950530793554 0.04316960519782261 S3 True

165

[ 0.33333333 -0.24136189 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7491758166236229 0.9598451306098477 0.0745991583837517 S1 True

166

[ 0.35789437 -0.24797282 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.832892430968557 0.9896495377154251 0.11686128500462749 S1 True

167

[ 0.3882145 -0.18096932 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.8264087155234952 0.987240836705076 0.29748940496868603 S1 True

168

[ 0.45887355 0.02798481 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.7257265842404397 0.9479303309290822 0.1206520827661056 S1 True

169

[ 0.41313138 0.00880629 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5839042739029376 0.8908131268174866 0.056192757923762555 S1 True

170

[ 0.54601947 -0.06885887 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0146633515086827 1.0 0.5344527936026144 S1 True

171

[ 0.34279776 -0.12599842 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.567186705473109 0.887615959827499 0.09960645598227211 S1 True

172

[ 0.46286363 -0.12723419 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.937412351328613 1.0 0.3981879809929567 S1 True

173

[ 0.33333333 -0.36928866 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9133047508525374 1.0 0.02170312877282881 S1 True

174

[ 0.37555508 -0.3542733 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.97370161763621 1.0 0.10317743370975985 S1 True

175

[ 0.42774227 -0.26088808 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9843606150535886 1.0 0.2653401972304419 S1 True

176

[ 0.39569385 0.07656122 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.329018388137217 0.7613924240982759 -0.045737759963073596 S1 True

177

[ 0.51246416 -0.17144436 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0291690985389814 1.0 0.6835775155705848 S1 True

178

[ 0.54670843 0.08015211 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9010128237495953 1.0 0.24327590996813003 S1 True

179

[ 0.33333333 -0.45758631 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9819803580670696 1.0 0.010925591796280509 S1 True

180

[ 0.33333333 -0.02799405 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.26705574032036 0.7333588536313481 -0.03610877490645305 S1 True

181

[ 0.33333333 -0.5033204 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.5446684630921297 1.0 0.00778815179438077 S1 True

182

[ 0.39595353 -0.4357514 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.321895037447192 1.0 0.13097198503848245 S1 True

183

[ 0.49286638 -0.26635137 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0447218160220855 1.0 0.44640330743066686 S1 True

184

[ 0.6031859 -0.08702247 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0570117334345848 1.0 0.8101594062799714 S1 True

185

[ 0.56891661 -0.2103821 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.4012350082480143 1.0 0.8803473671712364 S1 True

186

[ 0.70304572 0.14114212 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0533580488931893 1.0 0.6055657383075095 S1 True

187

[ 0.72569718 -0.05682642 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.1412188637536795 1.0 1.3503621224971654 S1 True

188

[ 0.44433202 -0.41456768 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0745659463940476 1.0 0.24472952598096118 S1 True

189

[ 0.4553652 0.21886552 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.2646697147391488 0.7205663102742437 -0.08538542048786402 S1 True

190

[ 0.54104521 -0.11777345 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.0315187481403187 1.0 0.642743827967807 S1 True

191

[ 0.33333333 -0.40926513 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.9483343086710154 1.0 0.015794115843605926 S1 True

192

[ 0.62059666 0.21315221 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.918040933433053 1.0 0.22351236468021077 S1 True

193

[ 0.63834723 -0.10752339 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]2.064986093040694 1.0 1.050694182136582 S1 True

194

[ 0.33333333 -0.58017032 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 1.0002522491944972 -1.188642860952782 0.0044713773678709285 S1 False

195

WARNING:root:Hit Constraint

[ 0.33333333 0.04201005 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0395976659300412 0.6031337930670034 -0.1013894424100888 S1 True

196

[ 0.50848486 -0.33080959 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.0959211454875195 1.0 0.450705804117261 S1 True

197

[ 0.42898402 -0.50428705 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ] Hit Constraint 0.9793834431940218 -2.296397905218053 0.19717825623141605 S1 False

198

WARNING:root:Hit Constraint

WARNING:root:Warning: 2 unsafe points removed. Model might be violated

[ 0.7523773 -0.03917485 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.146885807433763 1.0 1.444689605835984 S1 True

199

[ 0.48958823 0.30990654 -0.32651218 -0.07023267 0.78758926 0.00255935

-0.00515984 0.0484641 ]1.196106653250722 0.6793246687559207 -0.11010876613339941 S1 True

200

0.9751243781094527

0.14539239076401791

[1. 0.52086255]

0.9751243781094527

Time: 2.228311829306 1.6005453444999795

maximum [1. 0.52086255]

Process finished with exit code 0