

>> main_edited_1

Enter the value for a12 in inches: 0

Enter the value for a23 in inches: 44

Enter the value for a34 in inches: 0

Enter the value for a45 in inches: 0

Enter the value for a56 in inches: 0

Enter the value for a67 in inches: 0

Enter the value for alpha12 in degrees: 90

Enter the value for alpha23 in degrees: 0

Enter the value for alpha34 in degrees: 90

Enter the value for alpha45 in degrees: 61

Enter the value for alpha56 in degrees: 61

Enter the value for alpha67 in degrees: 90

Enter the value for S2 in inches: 0

Enter the value for S3 in inches: 0

Enter the value for S4 in inches: 55

Enter the value for S5 in inches: 0

Enter the value for S6 in inches: 6

Enter the value for P_tool_6 in square brackets with semi-colon between each entry: [5;3;7]

Enter the value of P_tool_f in square brackets with semi-colon between each entry: [55;33;23]

Enter the value of S6_f in square brackets with semi-colon between each entry: [1;0;0]

Enter the value of a67_f in square brackets with semi-colon between each entry: [0;0.707;0.707]

ph1A = 0.6449

ph1B = 3.7865

th1A = 0.6449

th1B = 3.7865

th2A = 1.4722

th2B = -0.8348

th2C = -2.3067

th2D = 1.6694

th3A = -0.4031

th3B = -2.7385

th3C = -0.4031

th3D = -2.7385

th4A = 1.2367

th4B = -2.3743

th4C = 2.8521

th4D = -1.0939

th4E = -0.2895

th4F = 2.0477

th4G = -1.9049

th4H = 0.7673

th5A = 2.2253

th5B = -2.2253

th5C = 1.7011

th5D = -1.7011

th5E = 1.7011

th5F = -1.7011

th5G = 2.2253

th5H = -2.2253

th6A = 1.7597

th6B = -1.8513

th6C = -0.1130

th6D = 2.2242

th6E = -0.1130

th6F = 2.2242

th6G = 1.7597

th6H = -1.8513

The value of Theta1A is:

36.949

The value of Theta1B is:

216.95

The value of Phi1A is:

36.949

The value of Phi1B is:

216.95

The value of Theta3A is:

-23.093

The value of Theta3B is:

-156.91

The value of Theta3C is:

-23.093

The value of Theta3D is:

-156.91

Value of Theta 2A=

84.352

Value of Theta 2B=

-47.833

Value of Theta 2C=

-132.17

Value of Theta 2D=

95.648

Value of Theta 5A=

127.50

Value of Theta 5B=

-127.50

Value of Theta 5C=

97.467

Value of Theta 5D=

-97.467

Value of Theta 5E=

97.467

Value of Theta 5F=

-97.467

Value of Theta 5G=

127.50

Value of Theta 5H=

-127.50

Value of Theta4A=

70.855

Value of Theta4B=

-136.04

Value of Theta4C=

163.41

Value of Theta4D=

-62.676

Value of Theta4E=

-16.585

Value of Theta4F=

117.32

Value of Theta4G=

-109.14

Value of Theta4H=

43.963

Value of Theta6A=

100.82

Value of Theta6B=

-106.07

Value of Theta6C=

-6.4725

Value of Theta6D=

127.44

Value of Theta6E=

-6.4725

Value of Theta6F=

127.44

Value of Theta6G=

100.82

Value of Theta6H=

-106.07

solution_Set_Zero:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000 0 -0.0000

a67_F =

5.5511e-17 7.0711e-01 7.0711e-01

solution_Set_one:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000e+00 -2.7756e-17 -1.1102e-16

a67_F =

1.1102e-16 7.0711e-01 7.0711e-01

solution_Set_two:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000 -0.0000 0

a67_F =

6.1756e-16 7.0711e-01 7.0711e-01

solution_Set_three:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000e+00 -1.1102e-16 -2.4980e-16

a67_F =

3.3307e-16 7.0711e-01 7.0711e-01

solution_Set_four:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000 0.0000 0

a67_F =

-3.8858e-16 7.0711e-01 7.0711e-01

solution_Set_five:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000e+00 5.5511e-17 1.1796e-16

a67_F =

0 0.7071 0.7071

solution_Set_six:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000e+00 -3.8858e-16 -5.5511e-17

a67_F =

1.1102e-16 7.0711e-01 7.0711e-01

solution_Set_seven:

P_tool_F =

55.000 33.005 22.996

S6_F =

1.0000 -0.0000 0

a67_F =

2.7756e-16 7.0711e-01 7.0711e-01

>>