```
So luong he truc toa do: 4

n =

     4

He truc so Chuyen vi cua he truc, 0/1 (0:Tinh tien, 1:Quay)1

C =

     1     0     1     0     0     1     1     0

Quay quanh tuc nao x/y/z: z

Q =

z

Gia tri quay quanh truc: t1

t =

t1


T =

[ cos(t1), -sin(t1), 0, 0]
[ sin(t1),  cos(t1), 0, 0]
[       0,        0, 1, 0]
[       0,        0, 0, 1]

He truc so Chuyen vi cua he truc, 0/1 (0:Tinh tien, 1:Quay)0

C =

     1     0     1     0     0     1     1     0

Dich chuyen theo truc x : l2

dx =

l2

Dich chuyen theo truc y : 0

dy =

     0
```

```
Dich chuyen theo truc z : l1+l3

dz =

l1 + l3


T =

[ cos(t1), -sin(t1), 0, l2*cos(t1)]
[ sin(t1),  cos(t1), 0, l2*sin(t1)]
[       0,        0, 1,    l1 + l3]
[       0,        0, 0,          1]

He truc so Chuyen vi cua he truc, 0/1 (0:Tinh tien, 1:Quay)1

C =

     1     0     1     0     0     1     1     0

Quay quanh tuc nao x/y/z: z

Q =

z

Gia tri quay quanh truc: t2

t =

t2


T =

[ cos(t1)*cos(t2) - sin(t1)*sin(t2), - cos(t1)*sin(t2) - cos(t2)*sin(t1), 0, l2*cos
(t1)]
[ cos(t1)*sin(t2) + cos(t2)*sin(t1),   cos(t1)*cos(t2) - sin(t1)*sin(t2), 0, l2*sin
(t1)]
[                                 0,                                     0, 1,    l1
l3]
[                                 0,                                     0, 0
1]

He truc so Chuyen vi cua he truc, 0/1 (0:Tinh tien, 1:Quay)0

C =
```

```
     1     0     1     0     0     1     1     0

Dich chuyen theo truc x : l4

dx =

l4

Dich chuyen theo truc y : 0

dy =

     0

Dich chuyen theo truc z : -l5

dz =

-l5


T =

[ cos(t1)*cos(t2) - sin(t1)*sin(t2), - cos(t1)*sin(t2) - cos(t2)*sin(t1), 0, l4*(cos
(t1)*cos(t2) - sin(t1)*sin(t2)) + l2*cos(t1)]
[ cos(t1)*sin(t2) + cos(t2)*sin(t1),   cos(t1)*cos(t2) - sin(t1)*sin(t2), 0, l4*(cos
(t1)*sin(t2) + cos(t2)*sin(t1)) + l2*sin(t1)]
[                                 0,                                    0, 1
l1 + l3 - l5]
[                                 0,                                    0, 0
1]


ans =

[ cos(t1 + t2), -sin(t1 + t2), 0, l4*cos(t1 + t2) + l2*cos(t1)]
[ sin(t1 + t2),  cos(t1 + t2), 0, l4*sin(t1 + t2) + l2*sin(t1)]
[            0,             0, 1,                 l1 + l3 - l5]
[            0,             0, 0,                           1]

>>
```