```
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 1 0 1 0 1 0 0
Quay quanh tuc nao x/y/z: y
Q =
Gia tri quay quanh truc: t1
t =
t1
T =
[\cos(t1), 0, \sin(t1), 0]
[ 0, 1,
              0, 0]
[-\sin(t1), 0, \cos(t1), 0]
[ 0, 0, 0, 1]
He truc so Chuyen vi cua he truc, 0/1 (0:Tinh tien, 1:Quay)0
C =
    1 0 0 1 0 1 0 0
Dich chuyen theo truc x : 0
dx =
    0
Dich chuyen theo truc y : 0
dy =
    0
```

```
Dich chuyen theo truc z : -11
dz =
-11
T =
[ cos(t1), 0, sin(t1), -l1*sin(t1)]
        0, 1,
                    Ο,
[-\sin(t1), 0, \cos(t1), -11*\cos(t1)]
       0, 0,
                0,
                                 1]
He truc so Chuyen vi cua he truc, 0/1 (0:Tinh tien, 1:Quay)1
C =
    1 0 1 1 0 1 0 0
Quay quanh tuc nao x/y/z: y
Q =
У
Gia tri quay quanh truc: t3
t =
t3
T =
[\cos(t1) \cos(t3) - \sin(t1) \sin(t3), 0, \cos(t1) \sin(t3) + \cos(t3) \sin(t1), -11 \sin(t3)]
(t1)]
                                    0, 1,
[
                                                                          0 K
0]
[-\cos(t1)*\sin(t3) - \cos(t3)*\sin(t1), 0, \cos(t1)*\cos(t3) - \sin(t1)*\sin(t3), -11*\cos(t3)]
(t1)]
                                    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 0 0
Dich chuyen theo truc x : 0
dx =
     0
Dich chuyen theo truc y : 0
dy =
     0
Dich chuyen theo truc z: -12
dz =
-12
T =
[\cos(t1) \cdot \cos(t3) - \sin(t1) \cdot \sin(t3), 0, \cos(t1) \cdot \sin(t3) + \cos(t3) \cdot \sin(t1), -12 
(\cos(t1)*\sin(t3) + \cos(t3)*\sin(t1)) - 11*\sin(t1)]
                                                                               0¥
Γ
                                      0, 1,
0]
[-\cos(t1)*\sin(t3) - \cos(t3)*\sin(t1), 0, \cos(t1)*\cos(t3) - \sin(t1)*\sin(t3), - 12
(\cos(t1) \cdot \cos(t3) - \sin(t1) \cdot \sin(t3)) - 11 \cdot \cos(t1)]
                                      0, 0,
                                                                               0 ¥
[
1]
ans =
[\cos(t1 + t3), 0, \sin(t1 + t3), -12*\sin(t1 + t3) - 11*\sin(t1)]
              0, 1,
                               Ο,
[-\sin(t1 + t3), 0, \cos(t1 + t3), -12*\cos(t1 + t3) - 11*\cos(t1)]
[
             0, 0,
                           0,
                                                                   1]
>>
```