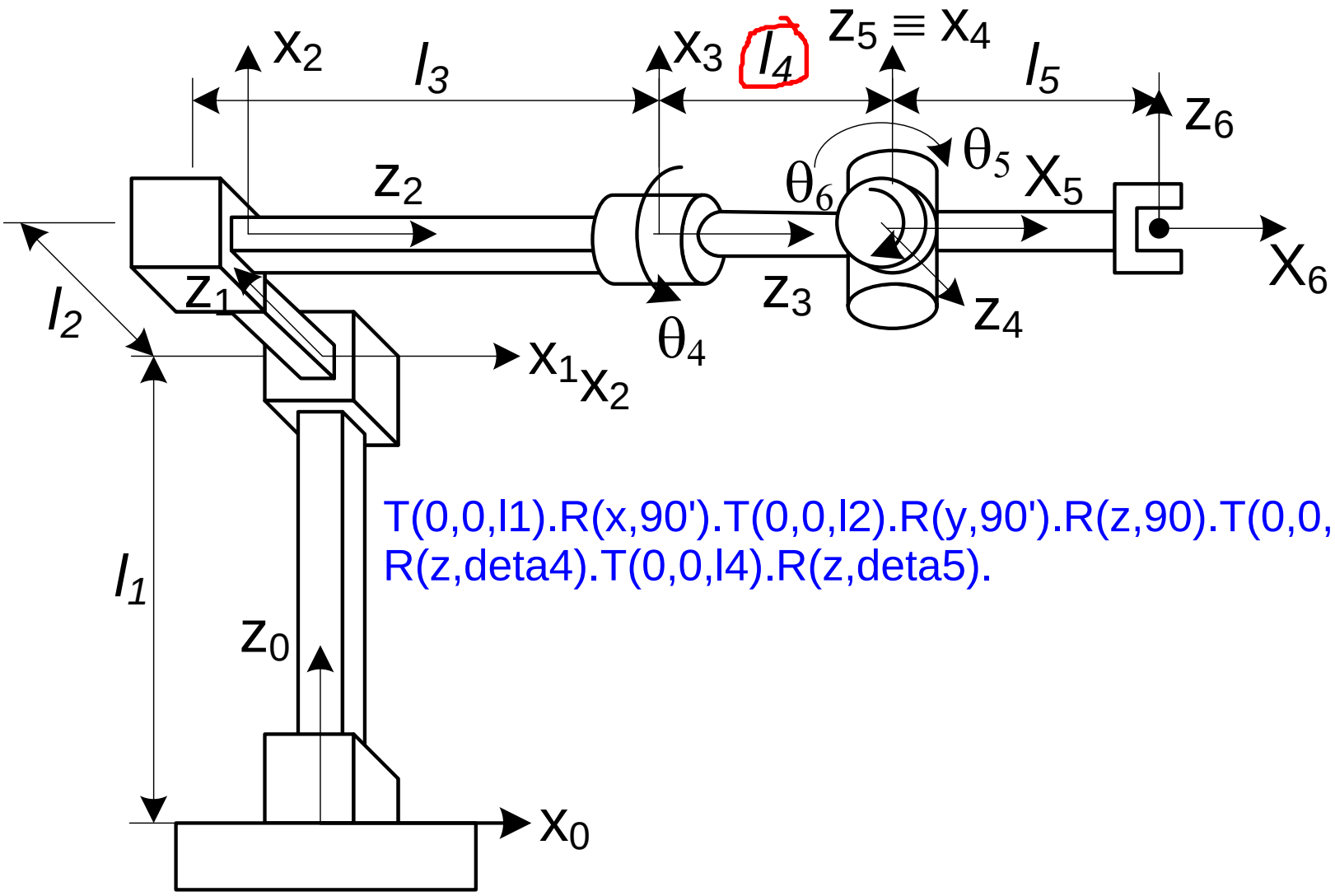
BÀI TẬP KỸ THUẬT ROBOT

Instructor: Nguyen Truong Thinh

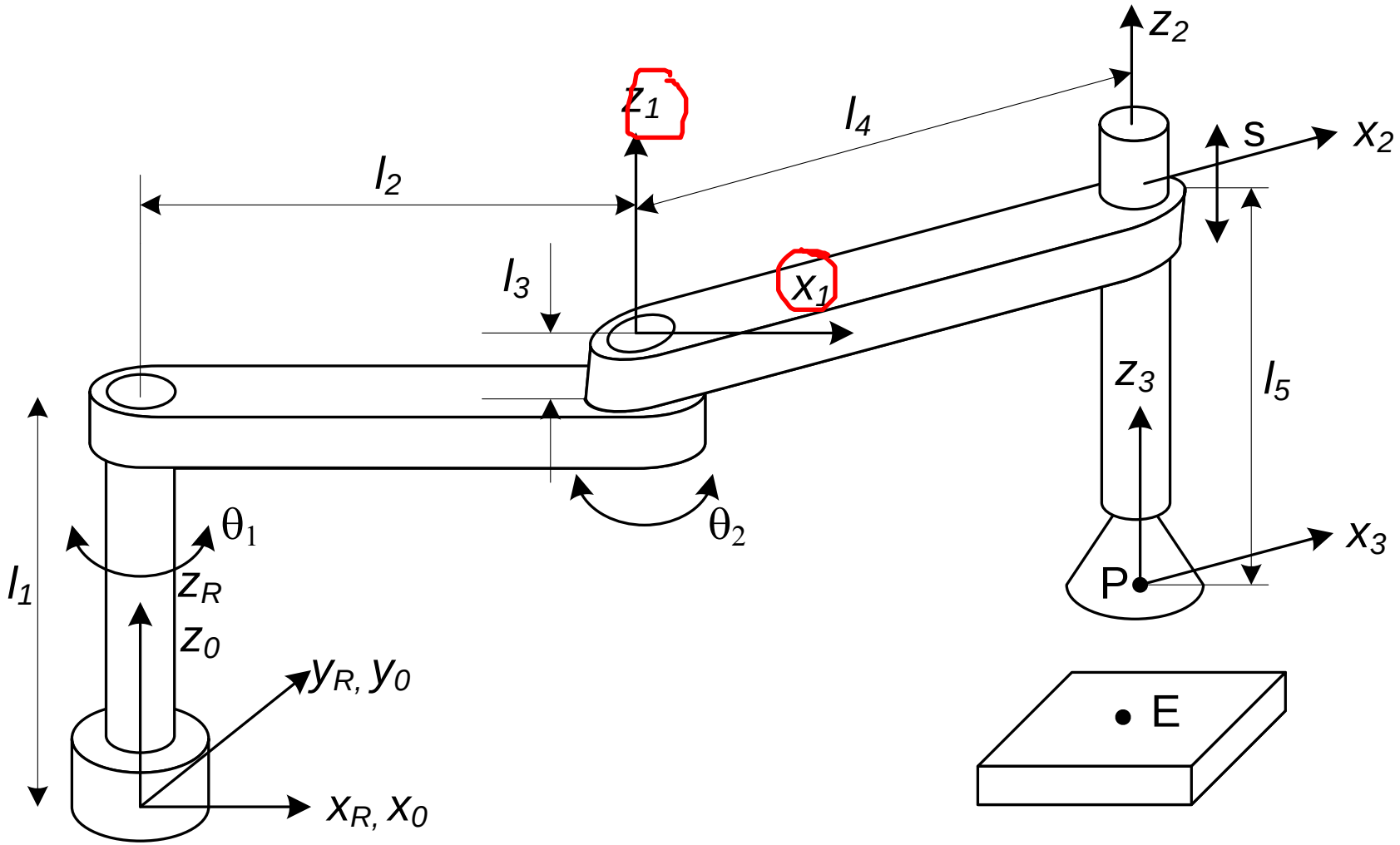
Bài 1



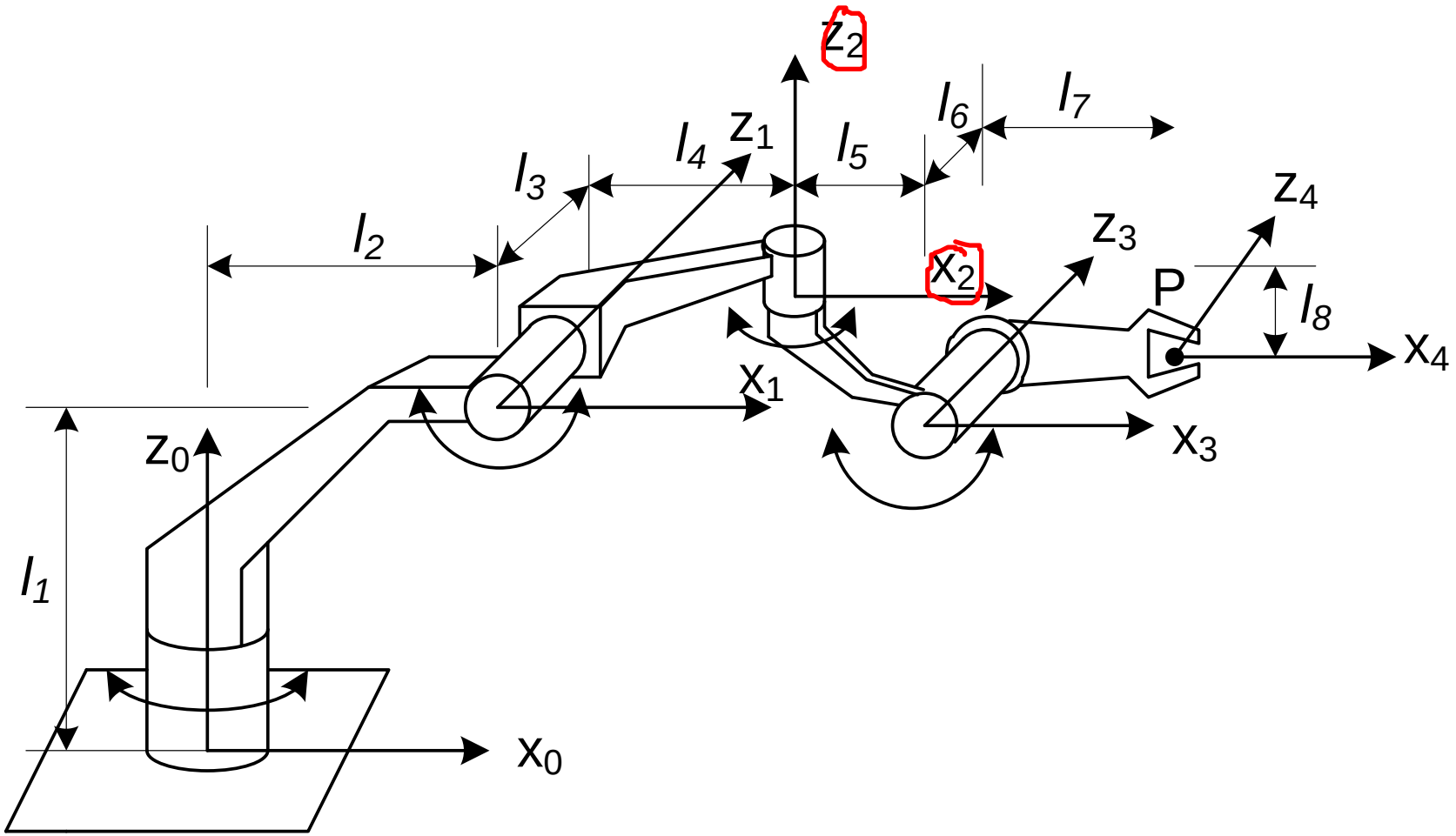
T(0,0,l1).R(x,90').T(0,0,l2).R(y,90').R(z,90).T(0,0,l3).
R(z,deta4).T(0,0,l4).R(z,deta5).

Bài 2

P0 = R(z,deta1).T(l2,0,l1+l3).R(z,deta2).T(l4,0,-l5).P3



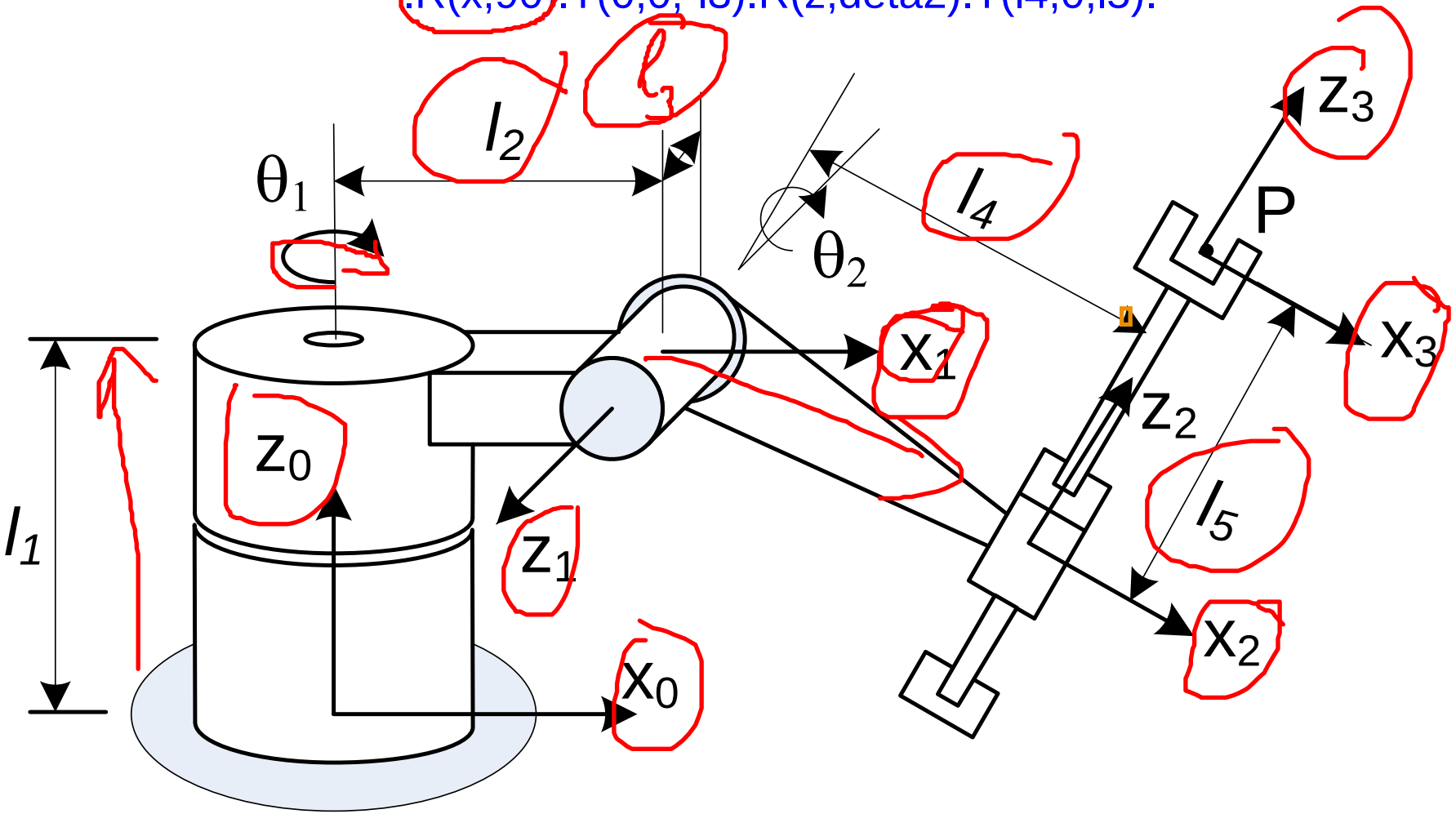
Bài 3



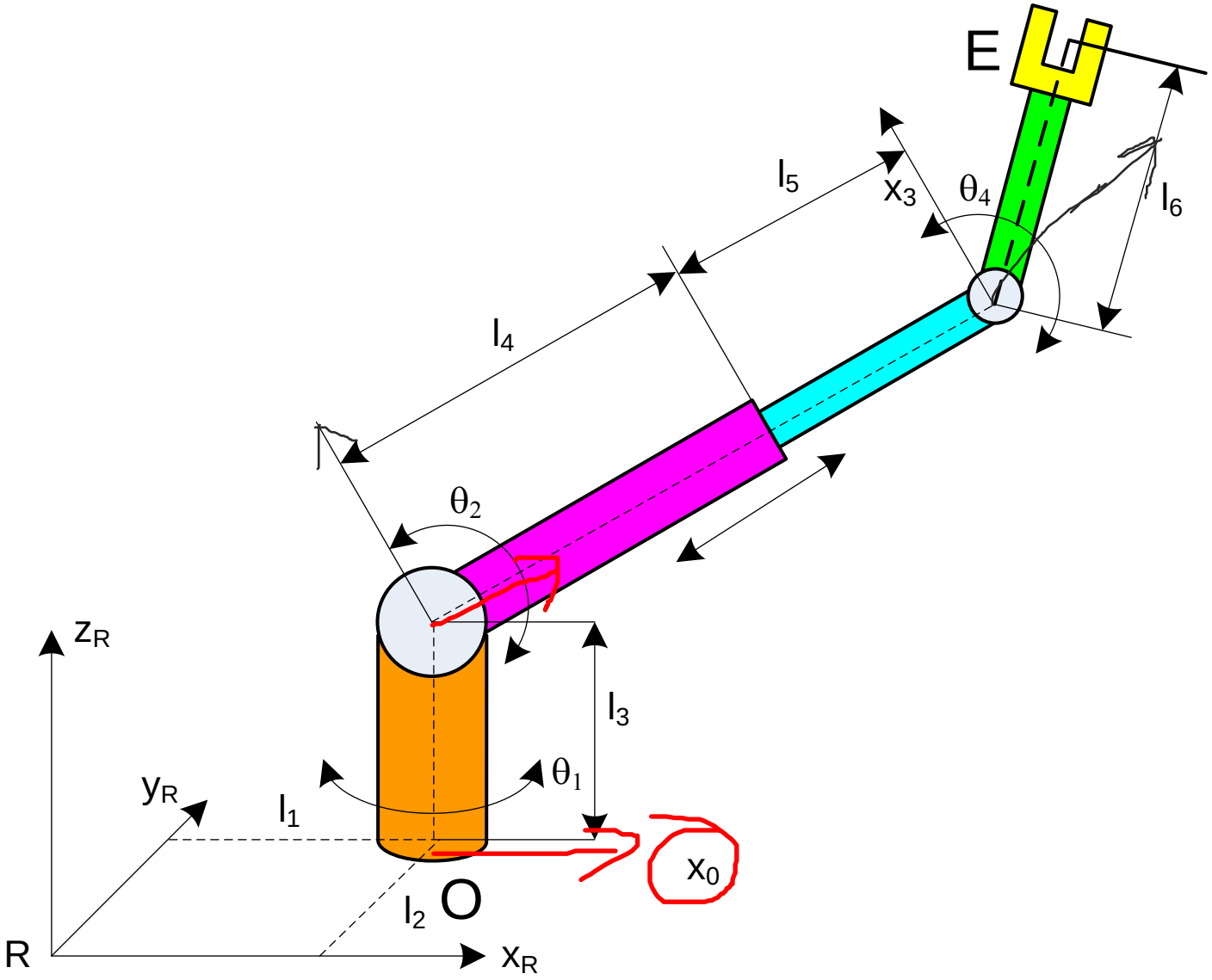
T(0,0,l1)R(z,deta1).T(l2,0,0)

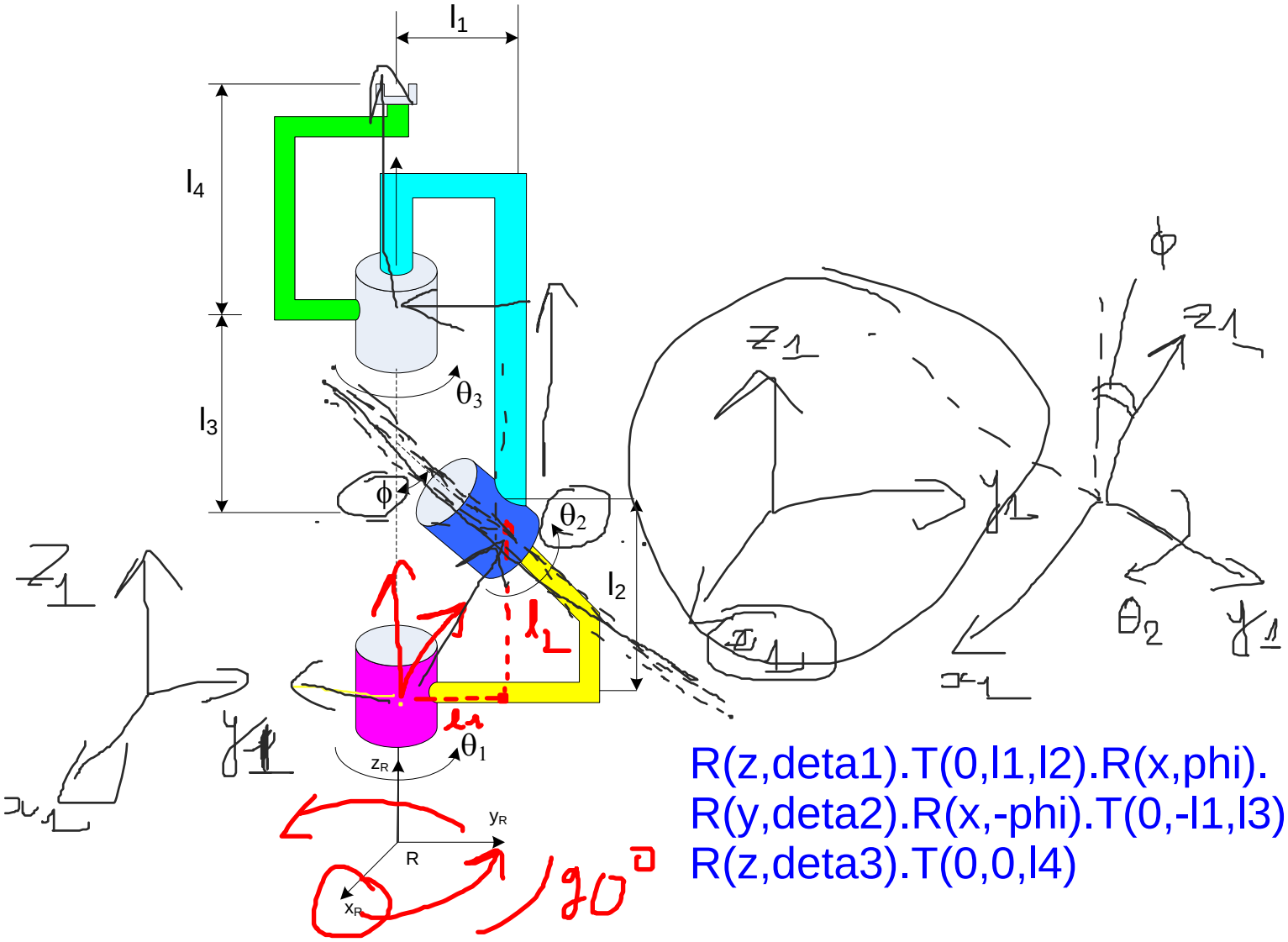
Bài 4

.R(x,90).T(0,0,-l3).R(z,deta2).T(l4,0,l5).



T(l1,l2,0).R(z,deta1).T(0,0,l3).R(y,deta2).T(l4+l5,0,0).R(y,deta4).T(l6,0,0)



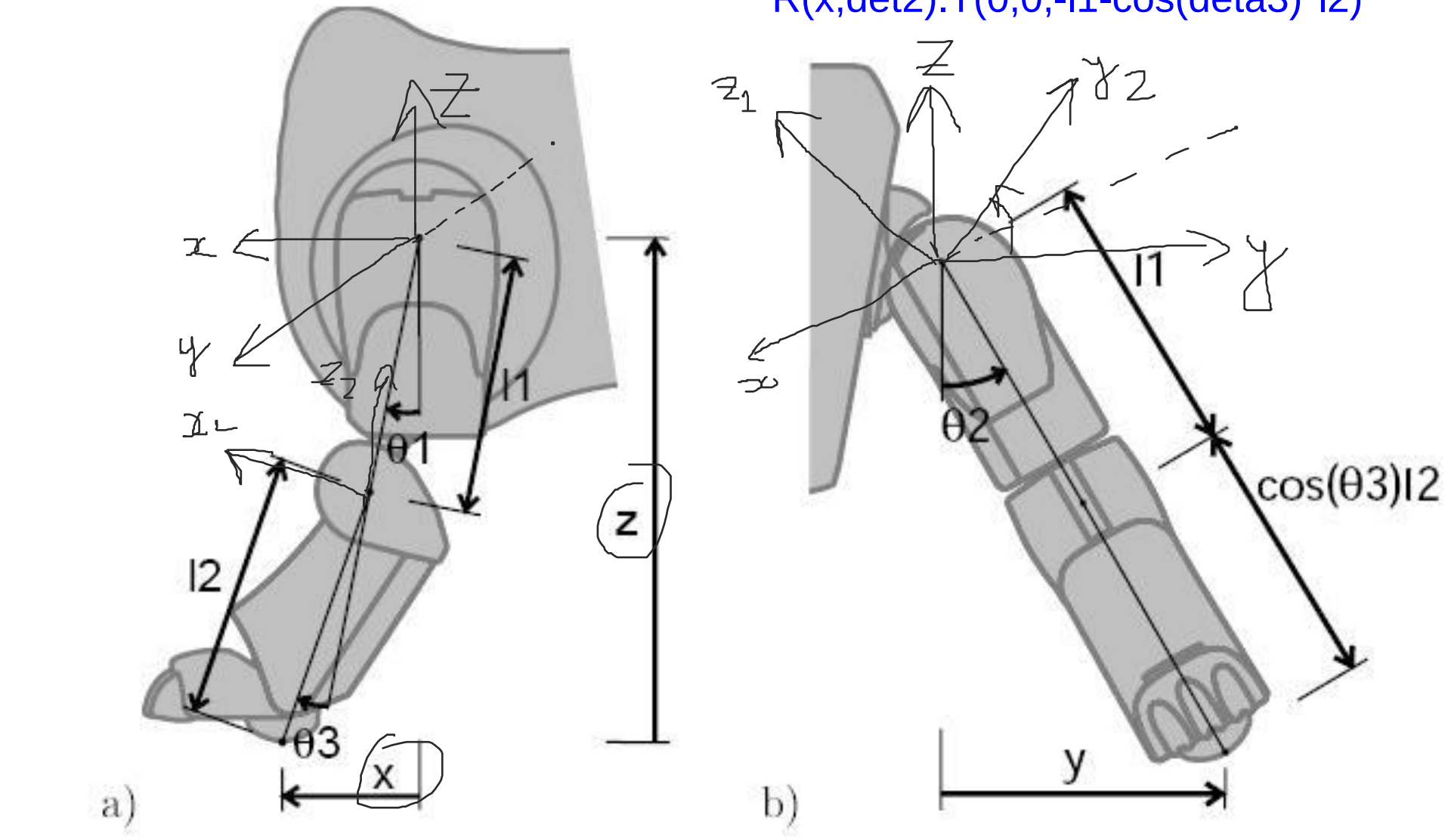


R(z,deta1).T(0,l1,l2).R(x,phi).
R(y,deta2).R(x,-phi).T(0,-l1,l3).
R(z,deta3).T(0,0,l4)

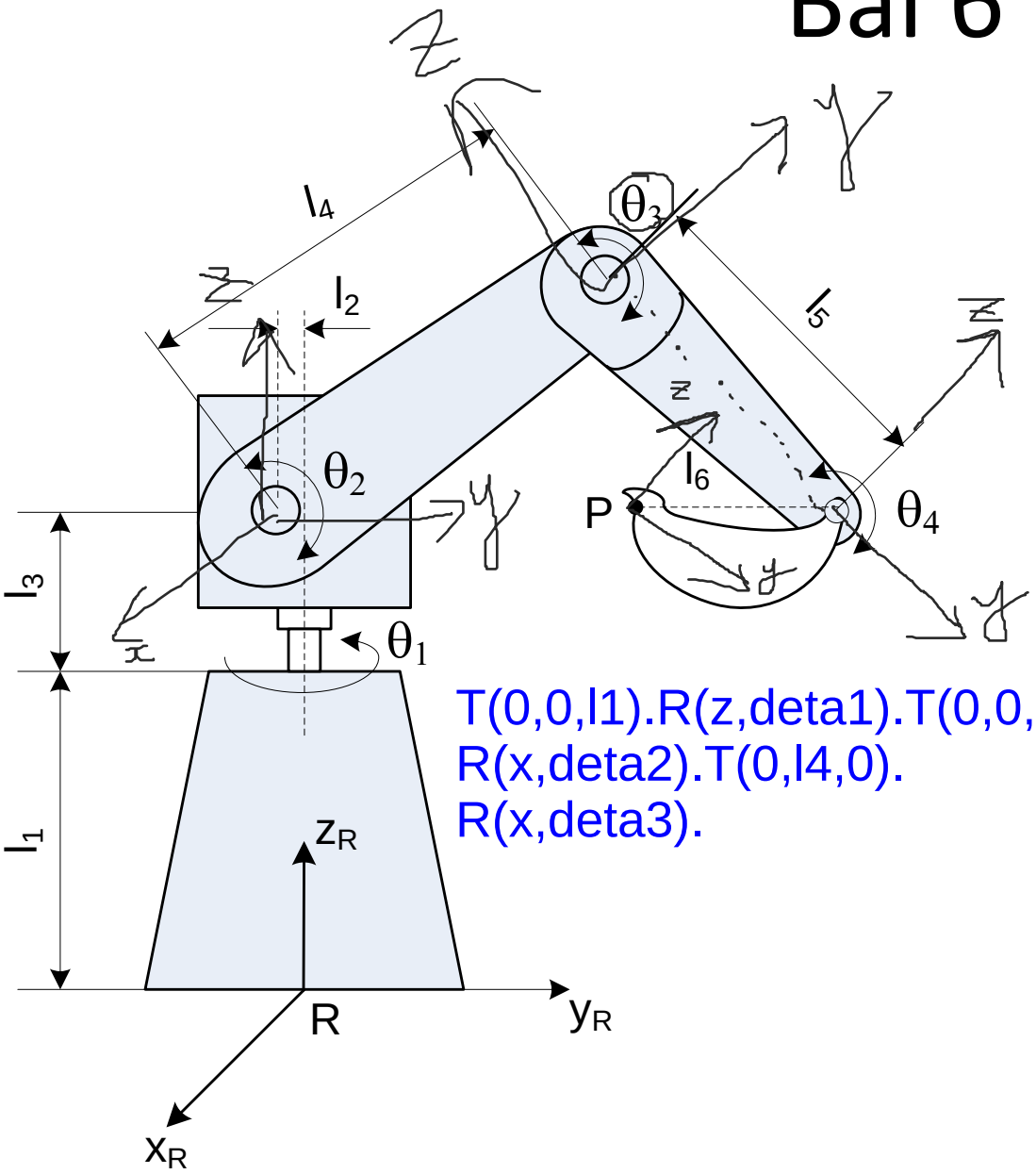
Bài 5

R(y,deta1).T(0,0,-l1).R(y,deta3).T(0,0,-l2)

R(x,det2).T(0,0,-l1-cos(deta3)*l2)

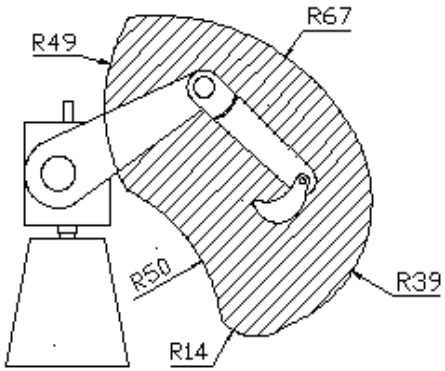


Bài 6

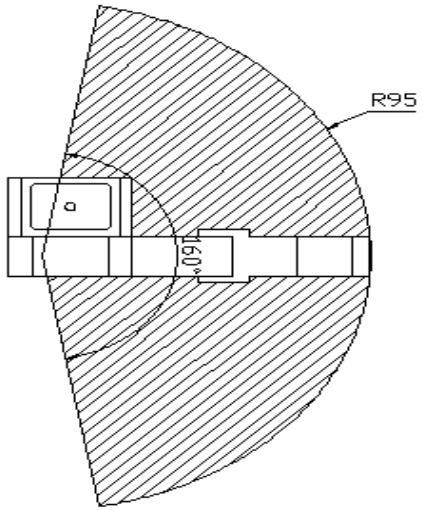


T(0,0,l1).R(z,deta1).T(0,0,l3)
R(x,deta2).T(0,l4,0).
R(x,deta3).

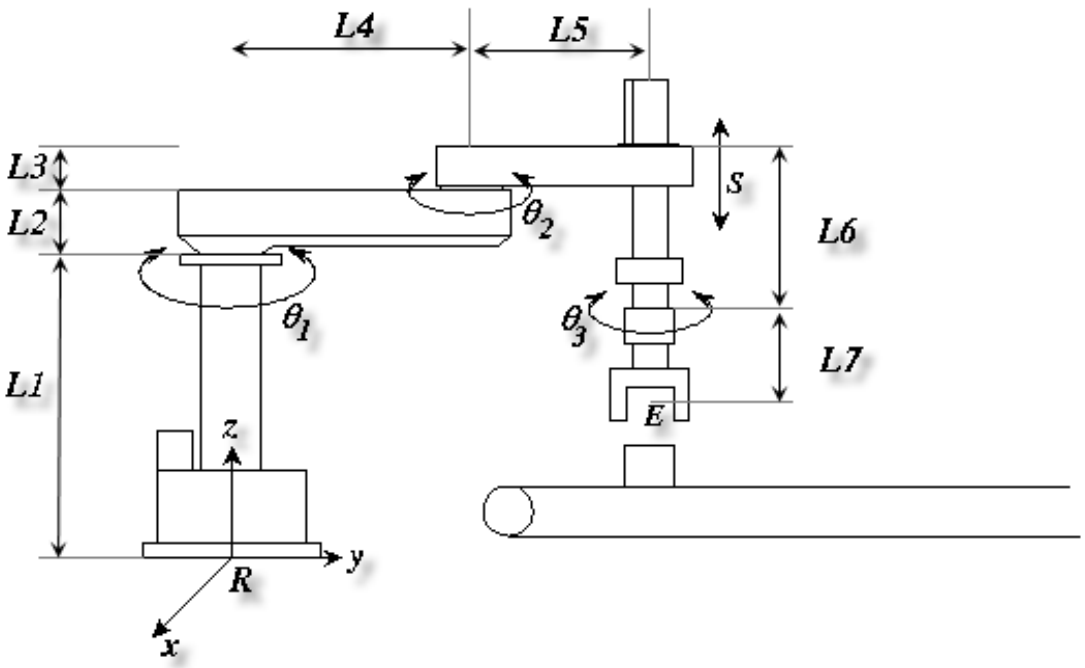
Chiếu cạnh

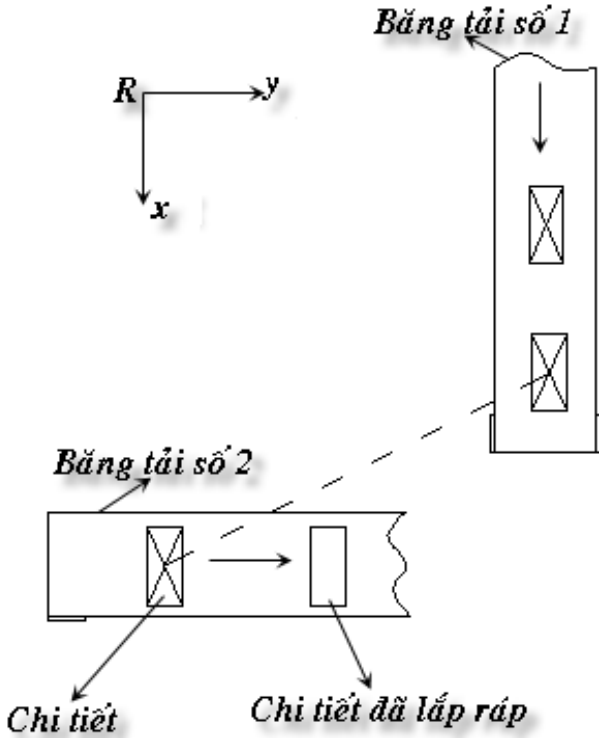


Chiếu bằng

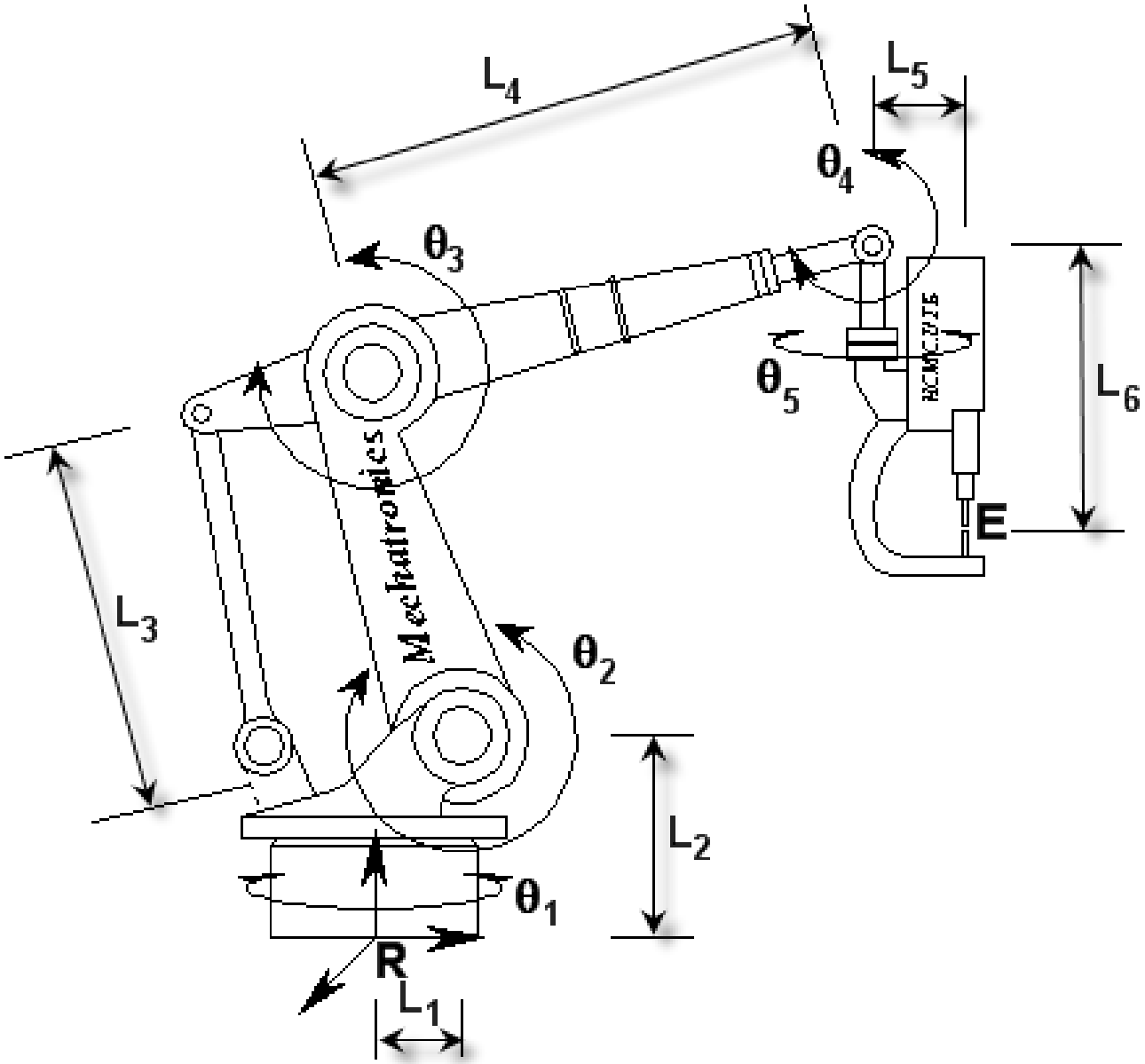


Bài 7

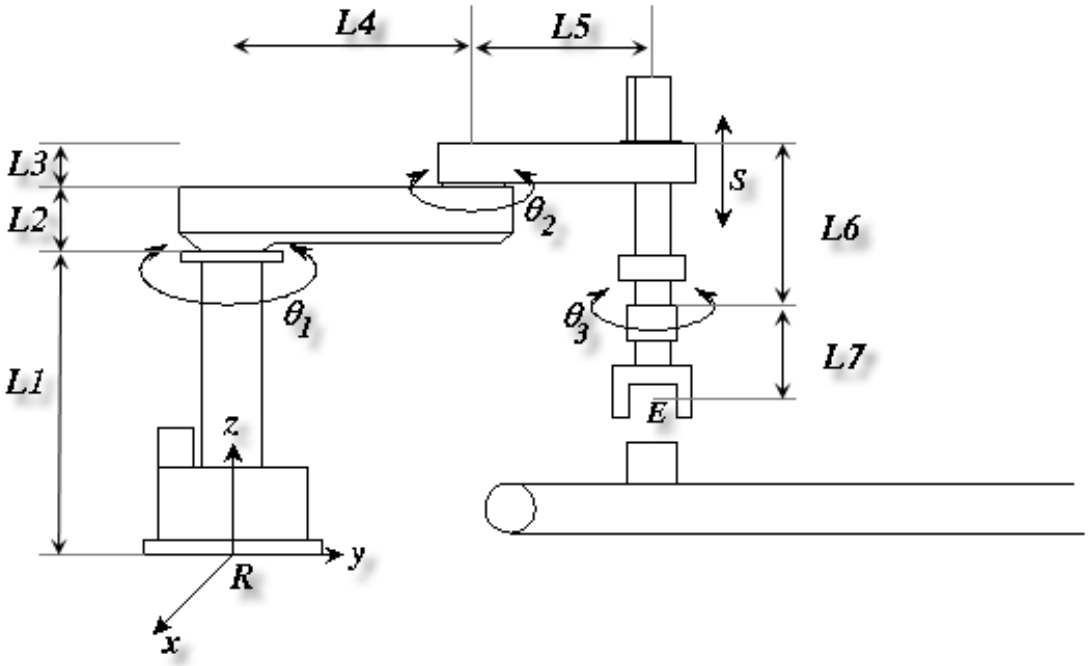

L4
L5
L3
L2
L1
L6
L7
S
θ_1
θ_2
θ_3
E
z
y
R
x

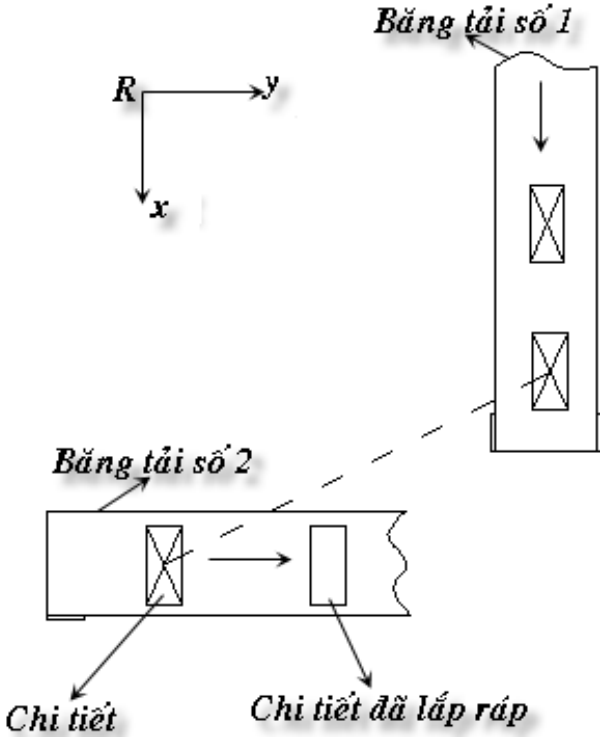

Băng tải số 1
R
y
x
Băng tải số 2
Chi tiết
Chi tiết đã lắp ráp

Bài 8



Bài 9


L4
L5
L3
L2
L1
L6
L7
S
θ_1
θ_2
θ_3
E
z
y
R
x


Băng tải số 1
R
y
x
Băng tải số 2
Chi tiết
Chi tiết đã lắp ráp

Bài 10