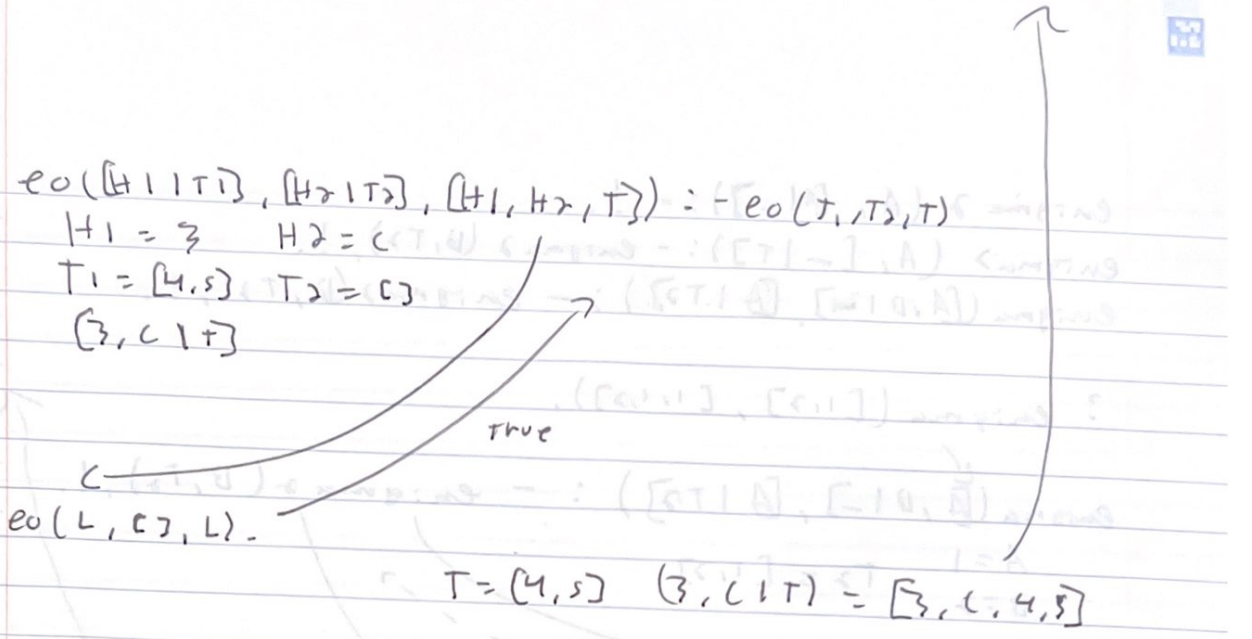
```
eo(L, [], L).
eo([], L, L).
eo([H1|T1], [H2|T2], [H1, H2|T]) :- eo(T1, T2, T).

? eo([1,2,3,4,5], [a,b,c], L).

eo(L, [], L).   ↗ false
eo([], L, L).   ↗ false

L = [1, a, 2, b, 3, c, 4, 5]

eo([H1|T1], [H2|T2], [H1, H2|T]) :- eo(T1, T2, T)
   H1 = 1,  H2 = a
   T1 = [2,3,4,5]   T2 = [b,c]
   [1, a, T]

eo(L, [], L).   false
eo([], L, L).   false

T = [2, b, 3, c, 4, 5]

eo([H1|T1], [H2|T2], [H1, H2|T]) :- eo(T1, T2, T)
   H1 = 2   H2 = b
   T1 = [3,4,5]   T2 = [c]
   [2, b|T]

eo(L, [], L).   false
eo([], L, L).   false

[3, c, 4, 5]

☆ next page
```


eo([H1|T1], [H2|T2], [H1, H2, T]) :- eo(T1, T2, T)
H1 = 3 H2 = C
T1 = [4,5] T2 = []
[3, C | T]
C
true
eo(L, [], L).
T = [4,5] (3, C | T) = [3, C, 4, 5]

```
enigma2(A, [A|_]):-!.
enigma2(A, [_|T]):- enigma2(B,T2), !.
enigma([A,B|_], [A|T2]):- enigma2(B,T2), !.

? enigma([1,2], [1,1,2]).
```

enigma([A,B|_], [A|T2]) :- enigma2(B,T2), !.

A=1
B=2 T2=[1,2]

false

enigma2(A, [A|_]):-!
2≠1

enigma2(A, [_|T]):- enigma2(A,T)
A=2 T=[2]

enigma2(A, [A|_]):-!.
A=2=2
true

true