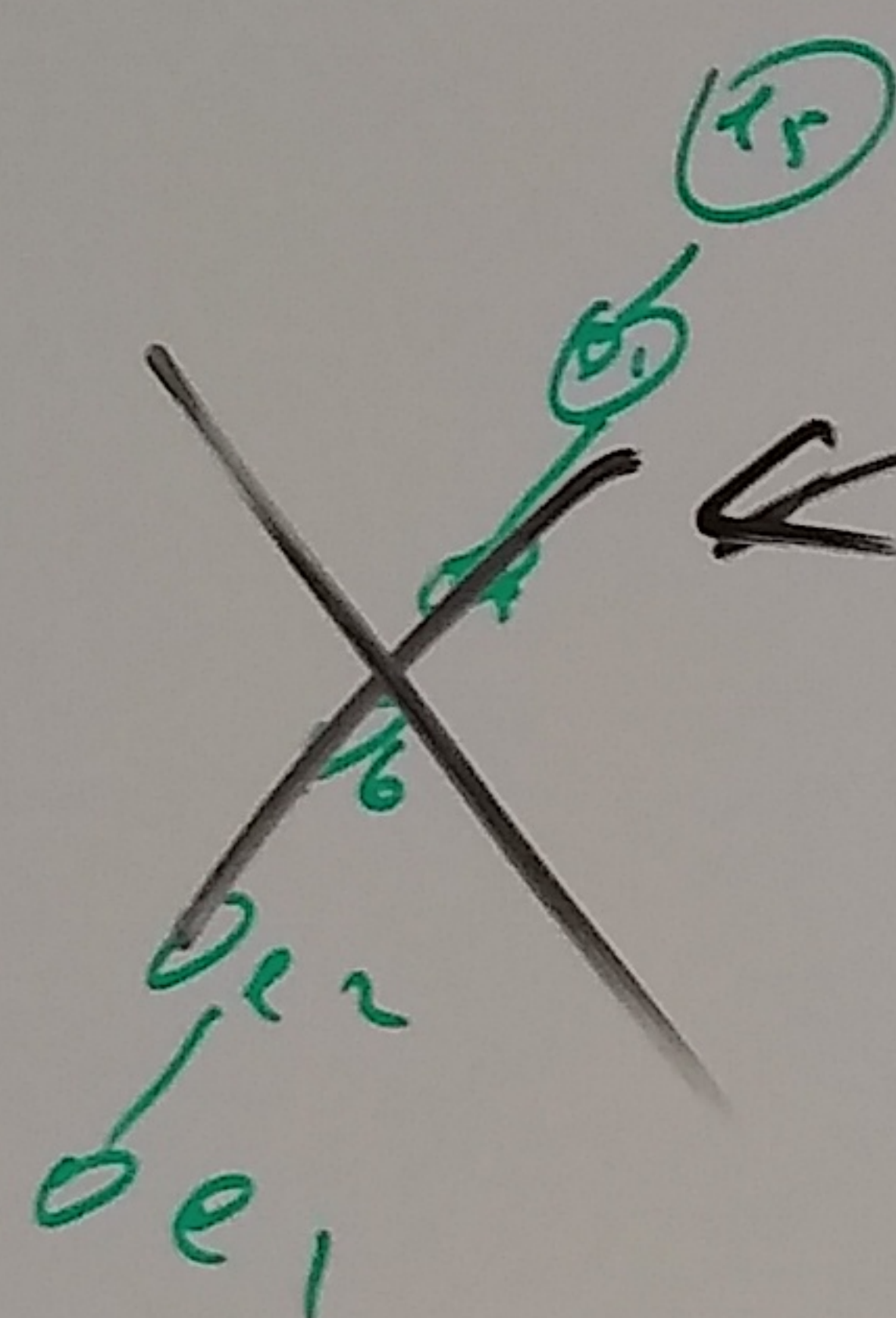


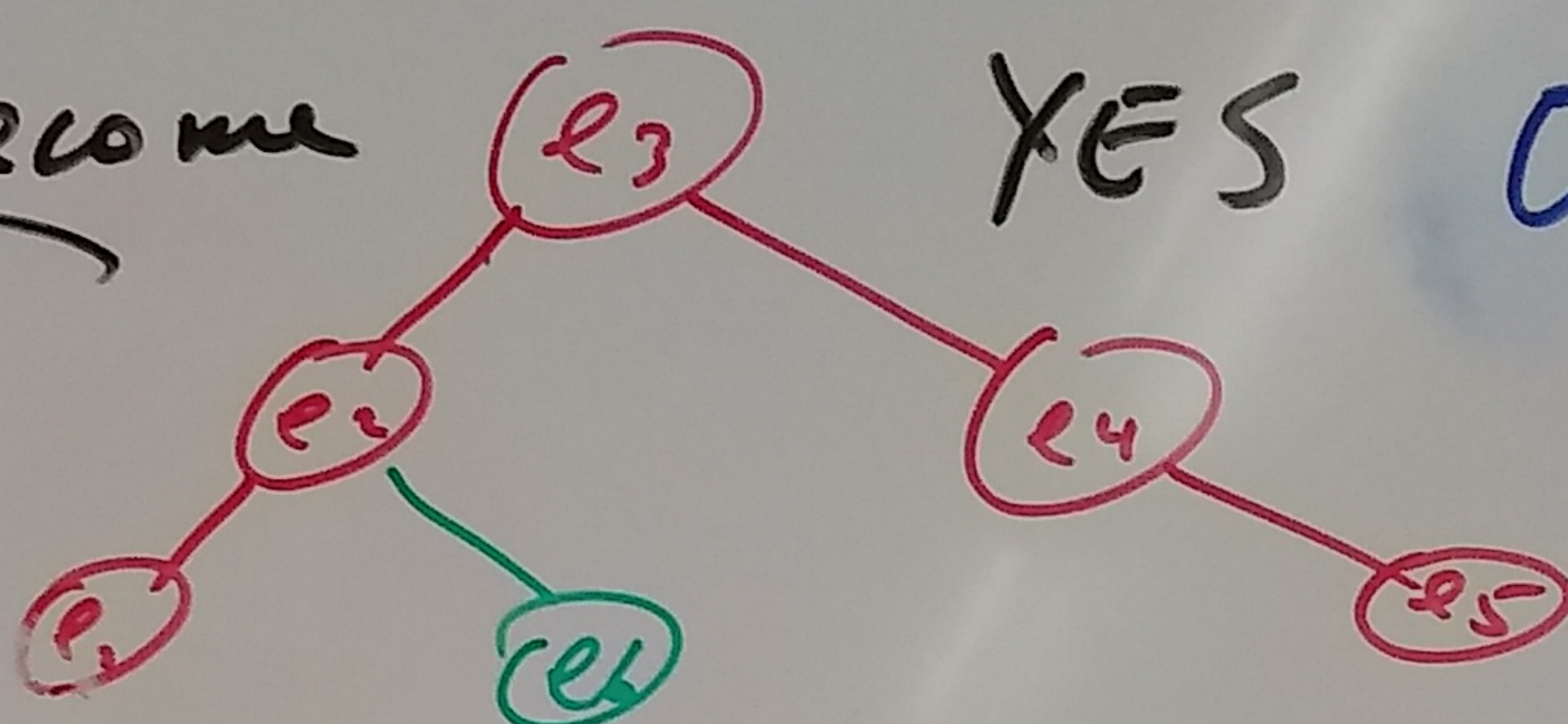
✓ e_6
NO

e_1	e_2	e_3	e_4	e_5
3	3.5	4	7	8

$O(N)$



become

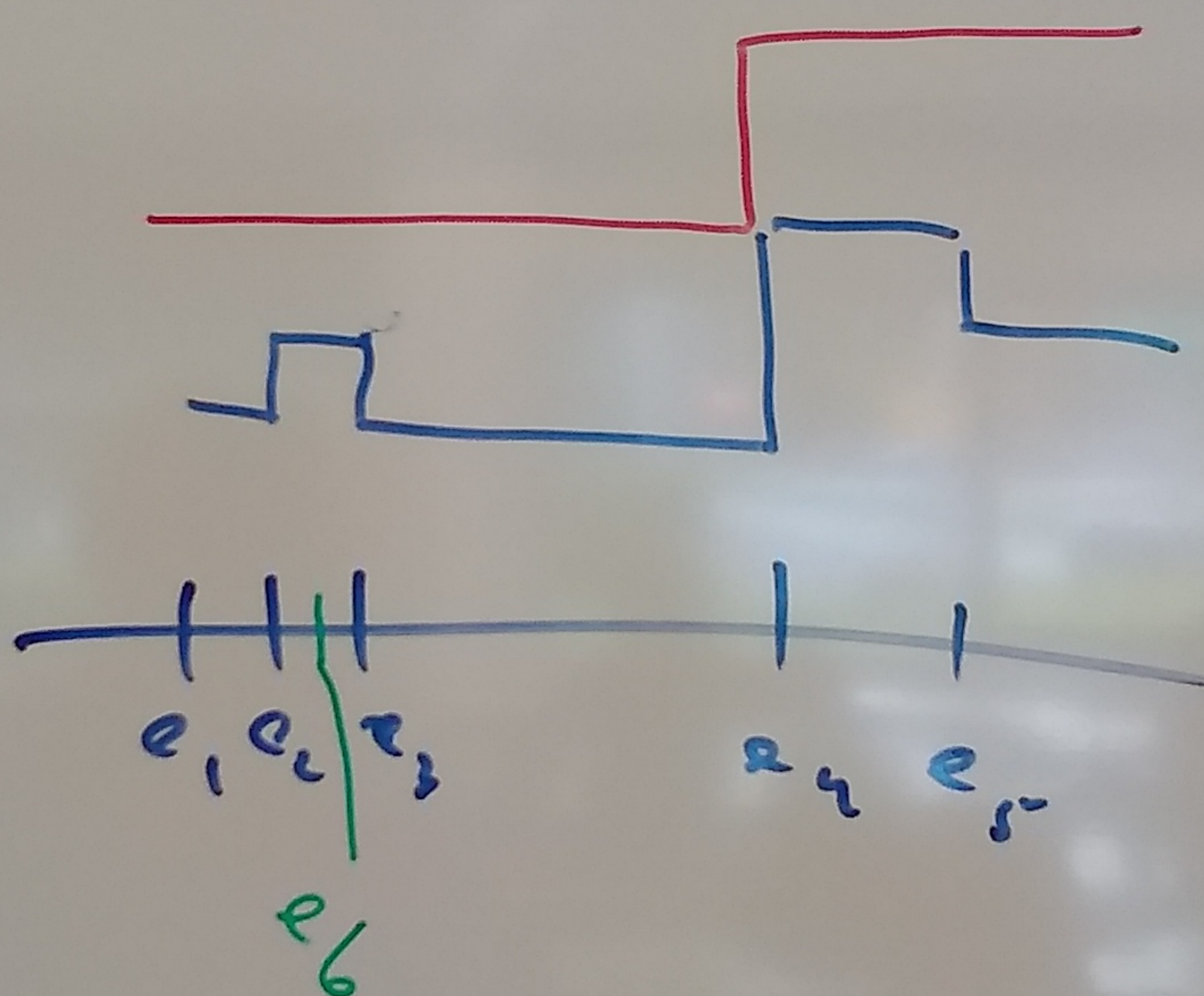


YES

$O(\log^2 N)$

red-black tree

S_1
 S_2



2 events at same time

priority?

Condition $\rightarrow$ other list

degenerate trees

⊗

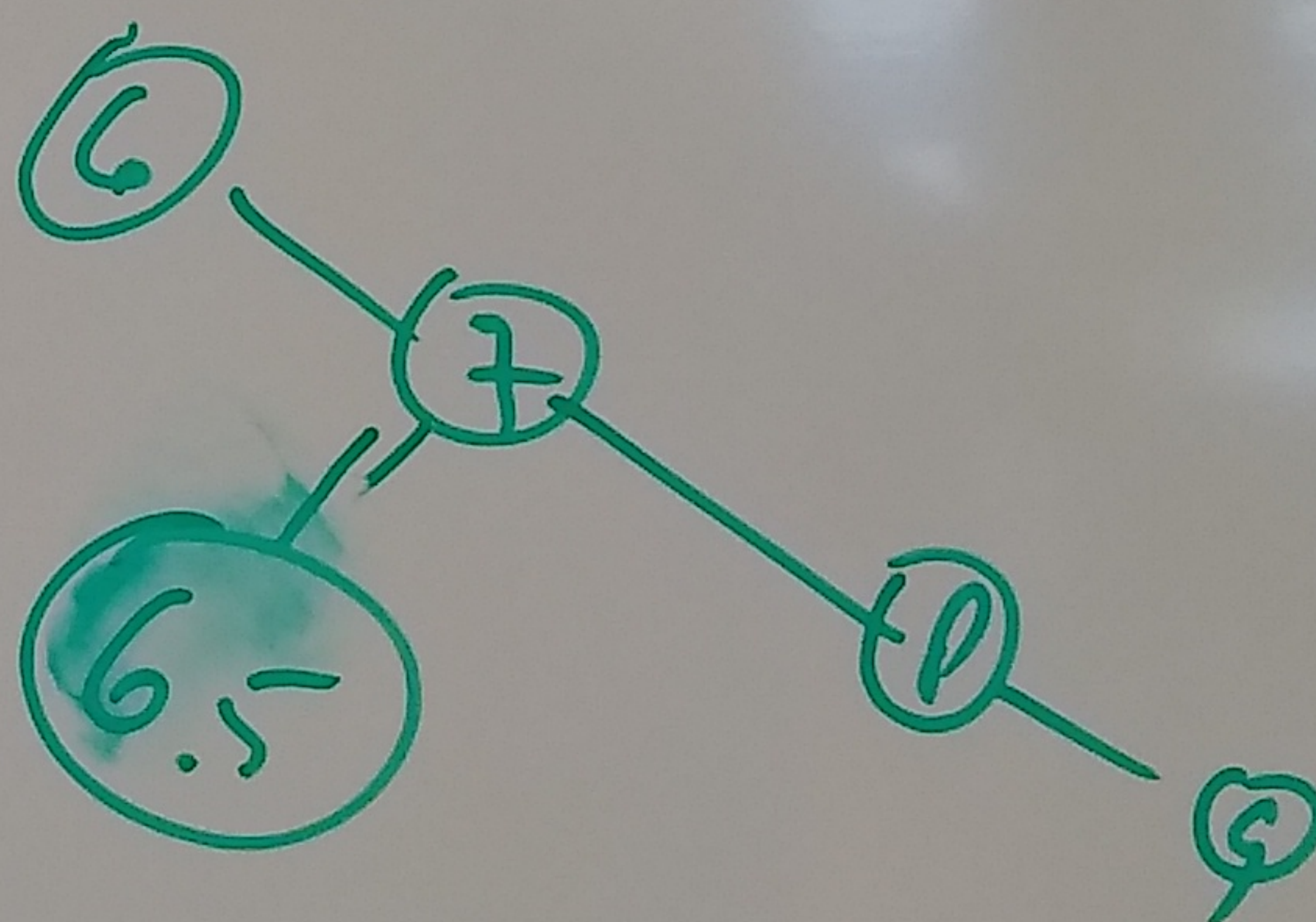
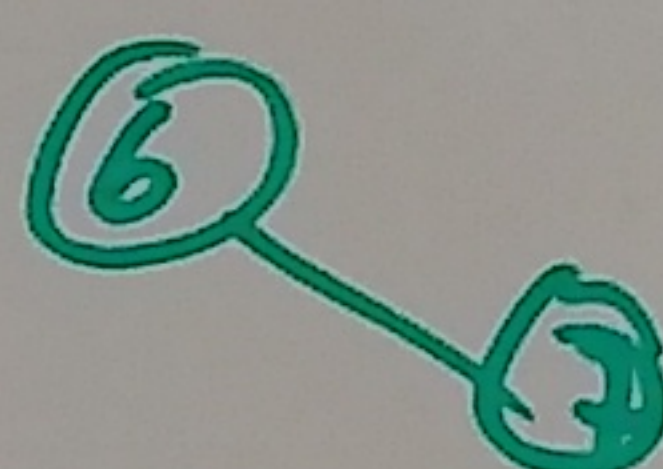
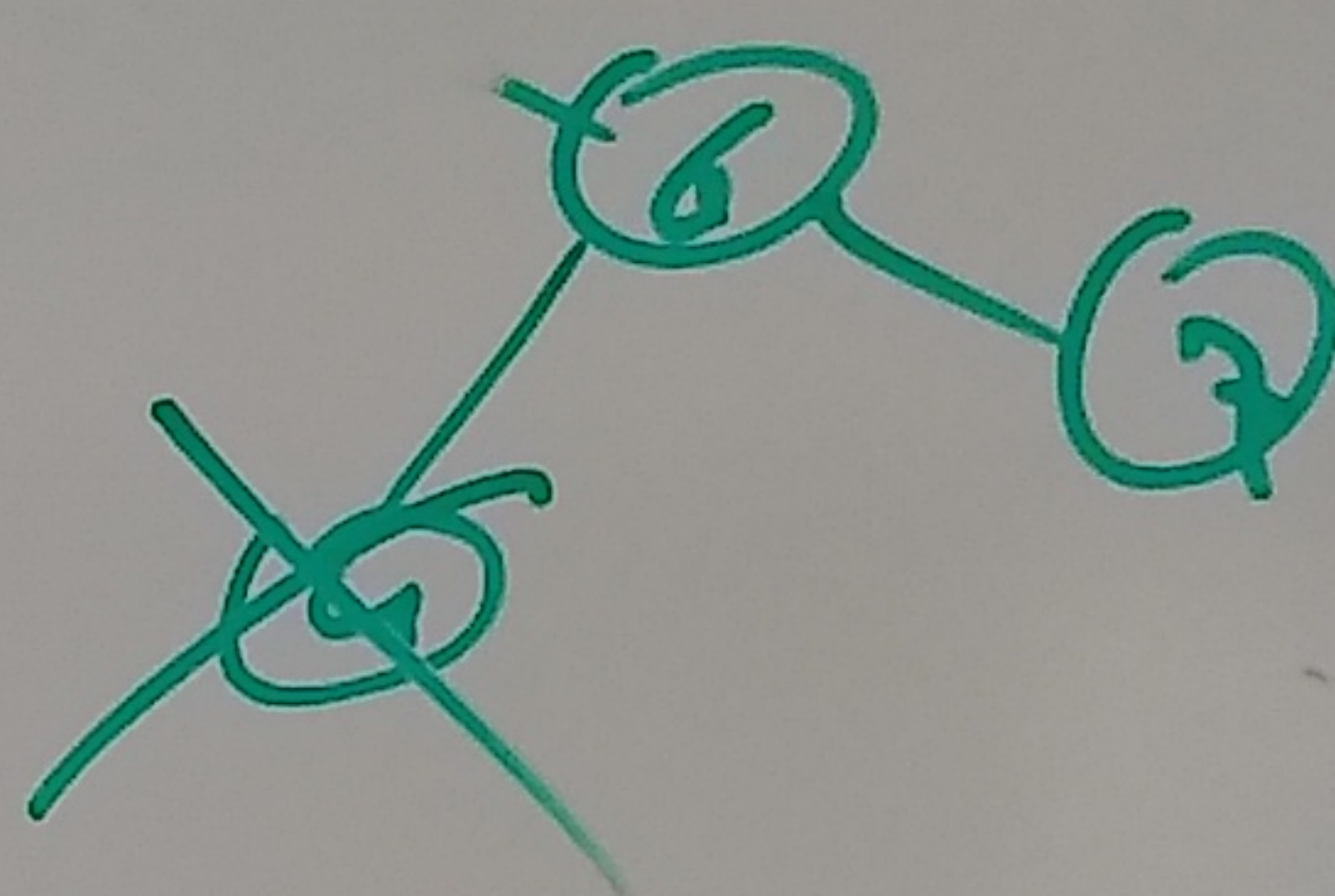
3

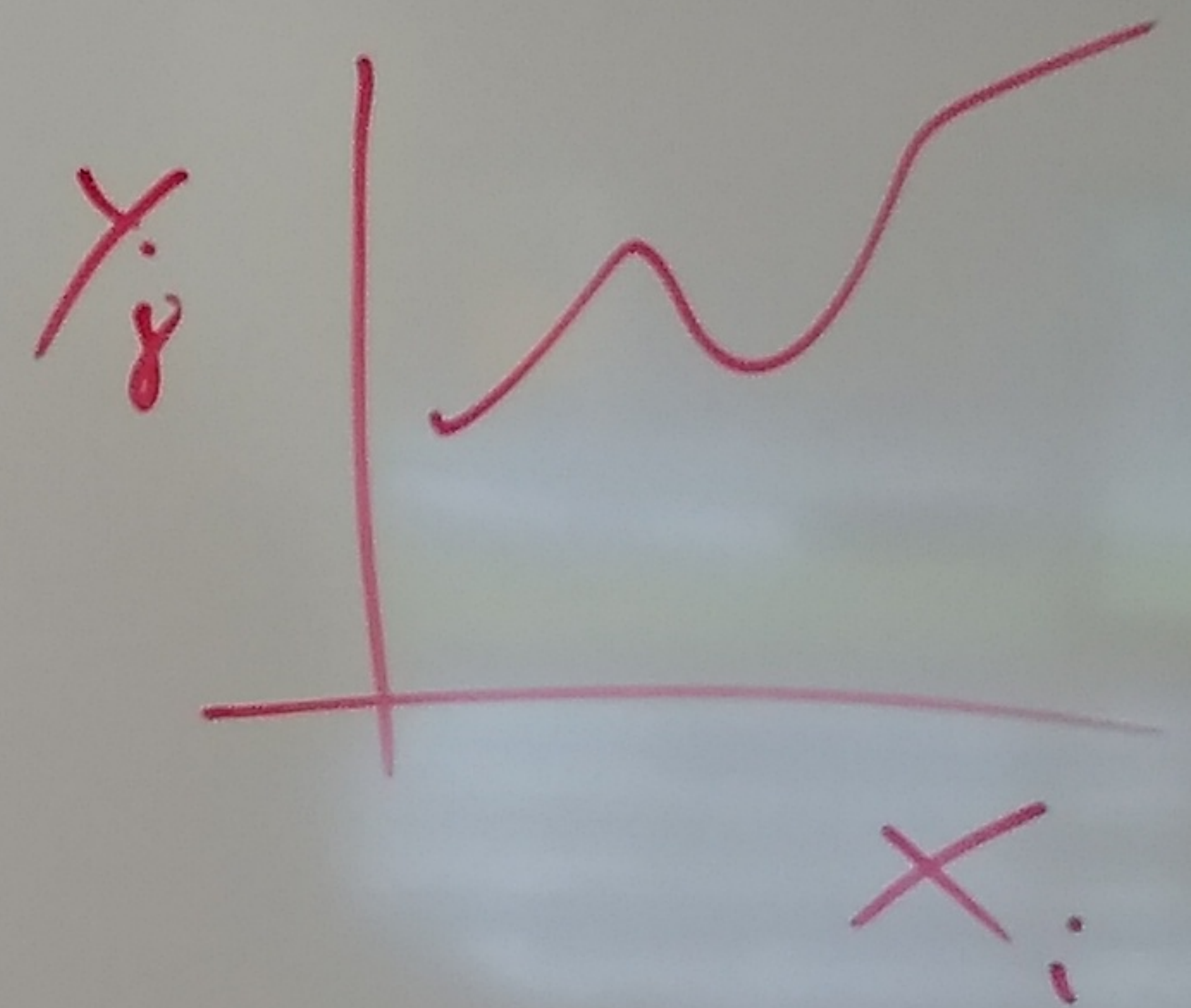
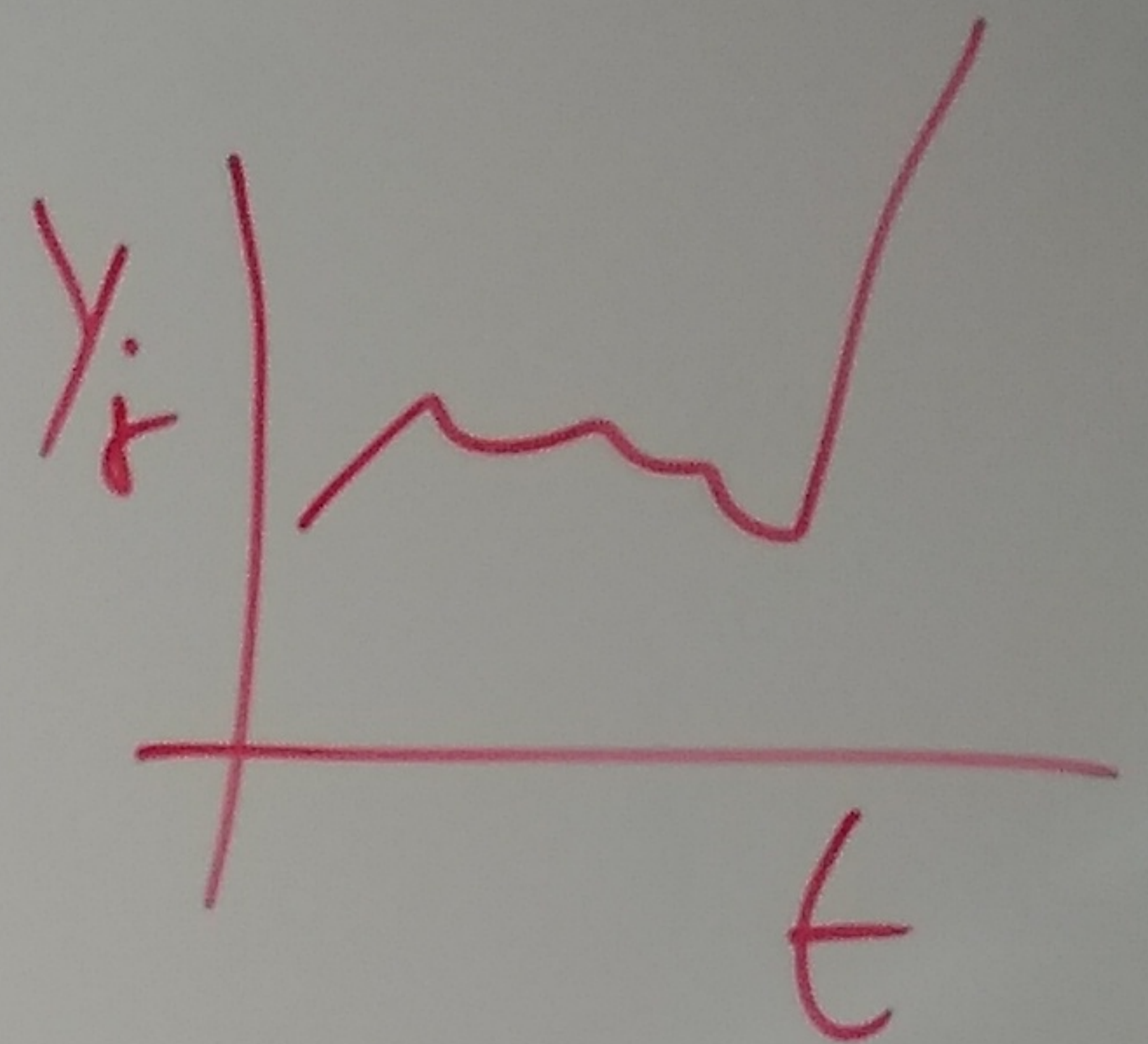
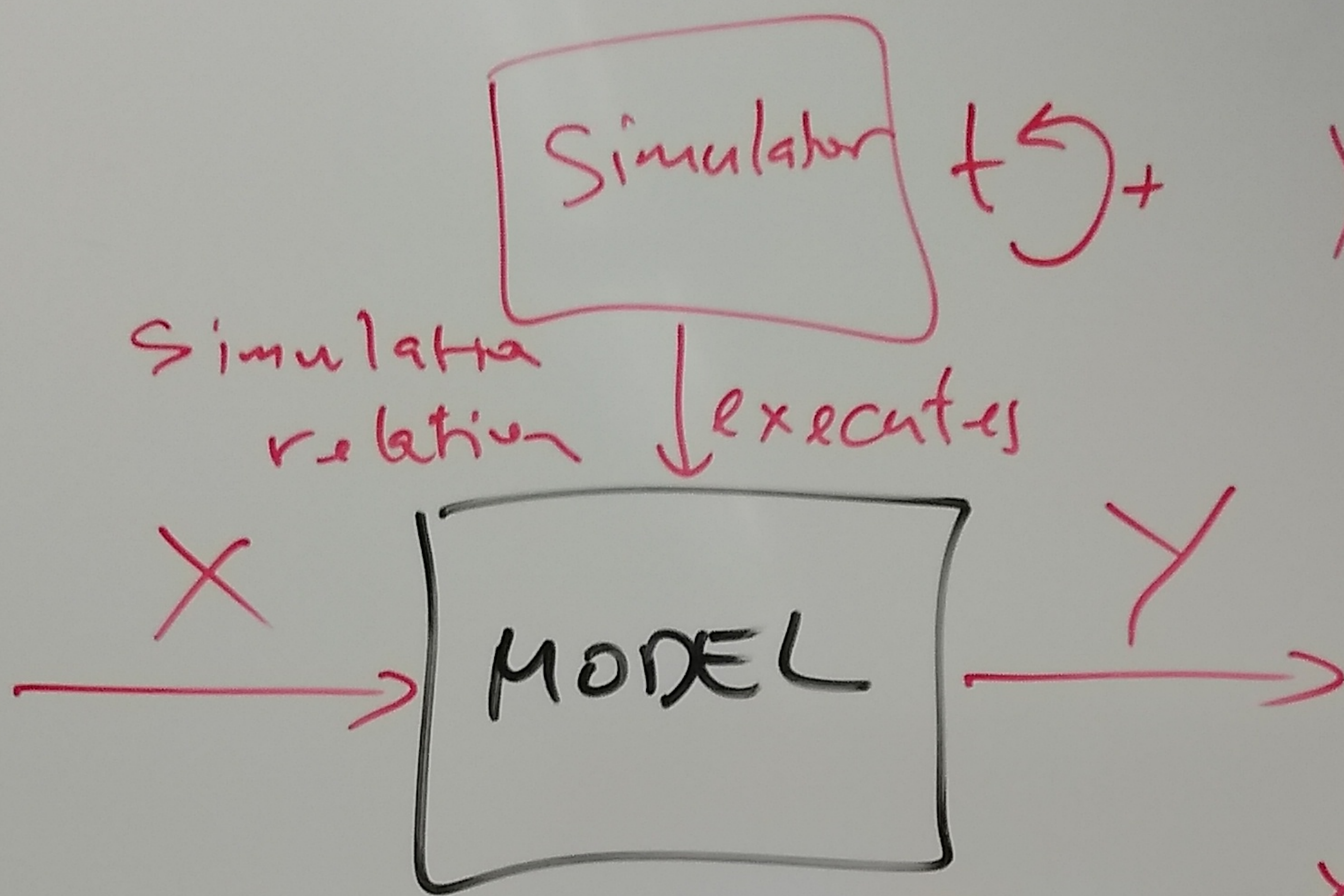
~~⊗~~

$t=3$ 4, 6, 7

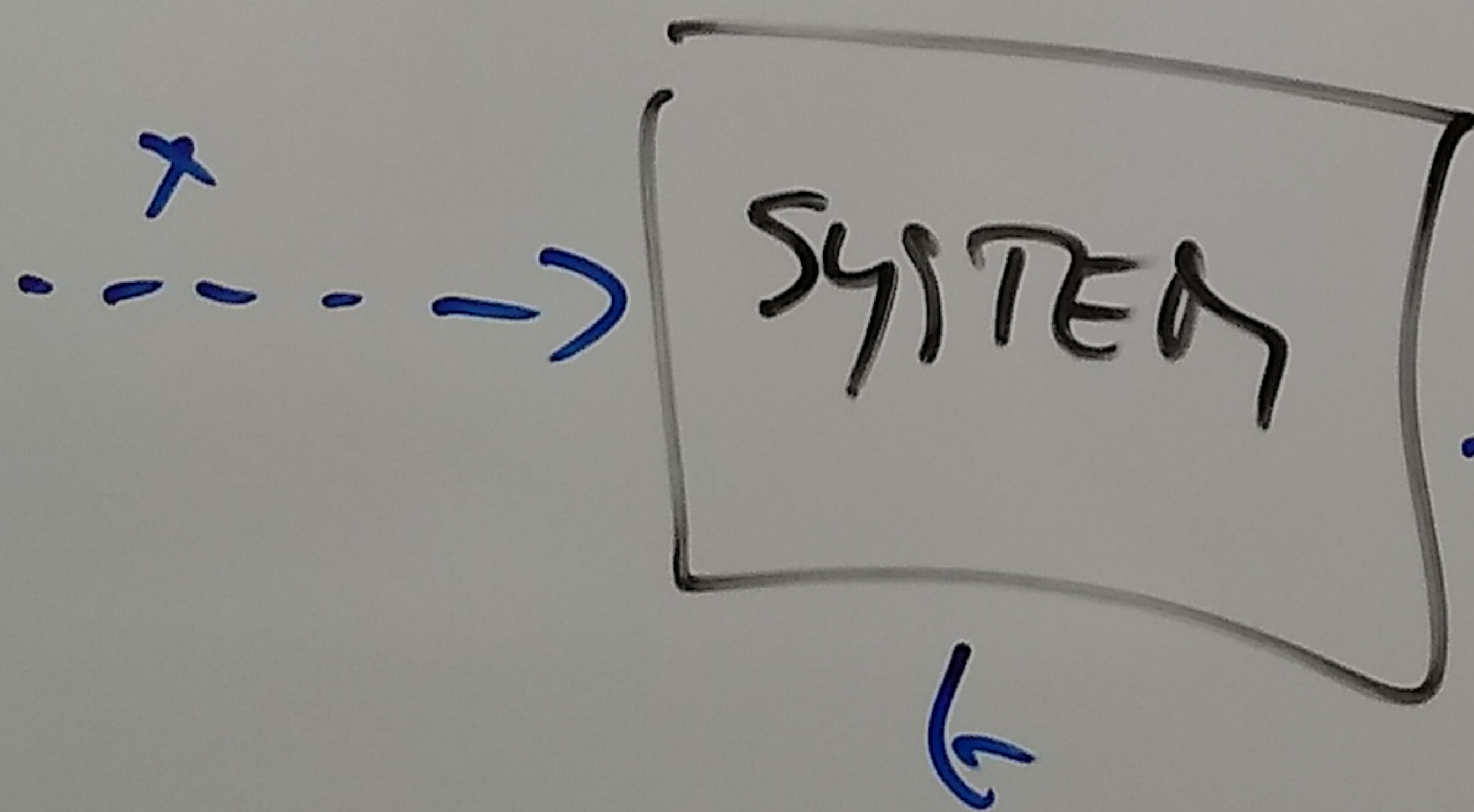
$t=4$
↓

6.5, 8, 9





Modeling relation



t	x	y
0	-	-
3	-	-
6	-	-
9	-	-

