7ths materix CHASLES UITH TIME...

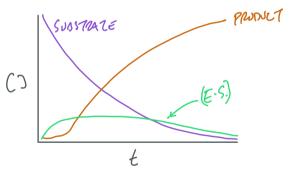
HIN DU WE THAT WI ZID ORDER RXNS?

1) TURS INTO FIRST ORDICE.

A IF K- IS SMALL,

TOUT IF ALL FUR EXA

B) ASSUME (ES) IS AT STENDY STATE (DE, THAT E IS LIMITIAL FOR RXN).



$$\frac{des}{dt} - \emptyset = k_{f}(E)(S) - k_{r}(ES) - k_{cd}(ES)$$

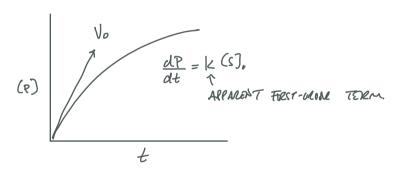
$$\emptyset = k_{f}(E)(S) - (k_{r} + k_{cd})(ES)$$

$$\frac{(ES)}{(E)(S)} = \frac{k_{f}}{k_{r} + k_{cd}} + \frac{k_{cd}}{k_{cd}} + \frac{$$

$$(es) = (E)_{o}(s)$$

$$\overline{(k_m + Ls)}$$

PURPOSE: STEADY STATE ASSUMPTED => FIRST-DEDER 12 (S)



LEY POISTS: TO DISSELT COMPLICATED RXX:

- I) FIND REACTIONS TO KNOKE (K- IS SLOW, KNOKE IT)
- 2) FIND SIMPLIFYING CONDITING (STLADY MATE, FOR EXAMPLE) AND DESILUSE THERE.
- 3) K201 WHAT YOU ASSUMED AND WHEN IT DOES NOT APPLY.
- 4) SIMULATE IT TO AVOID THIS.