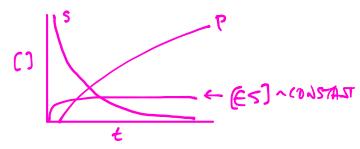
WRITE A MARKON MATRIX FOR THIS REACTION:

GO BACK TO PATE LAWS:

() ASSUME Keet >> K_ (IRREVENSIBLE)

@ ASSUME [ES] ~ QUASI STEADY STATE



$$\emptyset = k_{1}(\widehat{e})(\widehat{s}) - (k_{1} + k_{1} + k_{2} + k_{3})(\widehat{e})(\widehat{s})$$

$$(k_{1} + k_{2} + k_{3})(\widehat{e}) = k_{1}(\widehat{e})(\widehat{s})$$

$$(e_{1}^{2}) = \frac{k_{1}}{k_{1} + k_{2}} = \lambda$$

$$(e_{1}^{2}) - (e_{1}^{2})(\widehat{s})(\widehat{s}) = \lambda$$

$$(e_{2}^{2}) - (e_{3}^{2})(\widehat{s})(\widehat{$$

Krat: PATE OF CAPACKIS (FIRST DEDIZ!)

KM: NBINDISH ARGINITY FOR SUBSTRATE

Ecot/Km: CATALTTIC CONSTART

WHERE DOES Keet/Km COME FIMM? WHAT DOES IT MEASURE?

REVISIT ASSUMPTIONS:

STEADY STATE

ONE CAN SHOW (ASSUMING (S) = [S], AND IRREVERSIBLE)

AS +>0:

AND HOW FAST DIES e-at -> &? DEPENDS ON &!

DNLY IF ENZYME LAMS QUICKLY REPATIVE TO RXX RATE.

WHAT IF WE ALLOW REVERSIGNLITY?

ASSUMING STEADY STATE:

$$V = \frac{\mathbb{K}_{A} (E]_{o}(S) - \mathbb{K}_{P} (E)_{o}(P)}{\mathbb{K}_{A} + \mathbb{K}_{CA}} \qquad \mathbb{K}_{A} = \frac{\mathbb{K}_{CA} + \mathbb{K}_{CA}}{\mathbb{K}_{CA} + \mathbb{K}_{CA}} \qquad \mathbb{K}_{CA} + \mathbb{$$