<u>Lecos</u>:

dy = f(y)

Cantenamon's System's)

No underendent variable

on RHS.

we can solve this using seronating variable.

they why are we even talking about this?

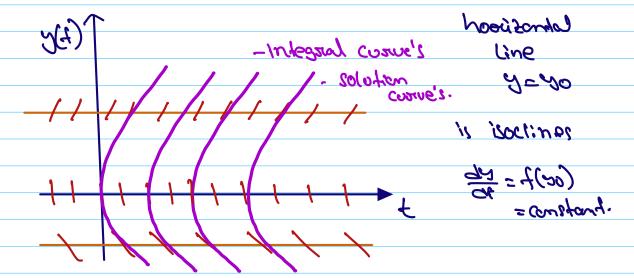
we will discuss about, thow to get useful win formation out of the equ, about the solve of the equipose through th

=) Reason: FAST, USE of lot of wissers

Poroblem: to get authorities information about 100 colue the colue the color color.

1) Direction Field

every hosisonful line is a isocline



As we slide along trans the slope elements

(though same. =) we can slide the curve

(colution curve) roousentally, and still be

undepred curve (solotion curve) everywhere.

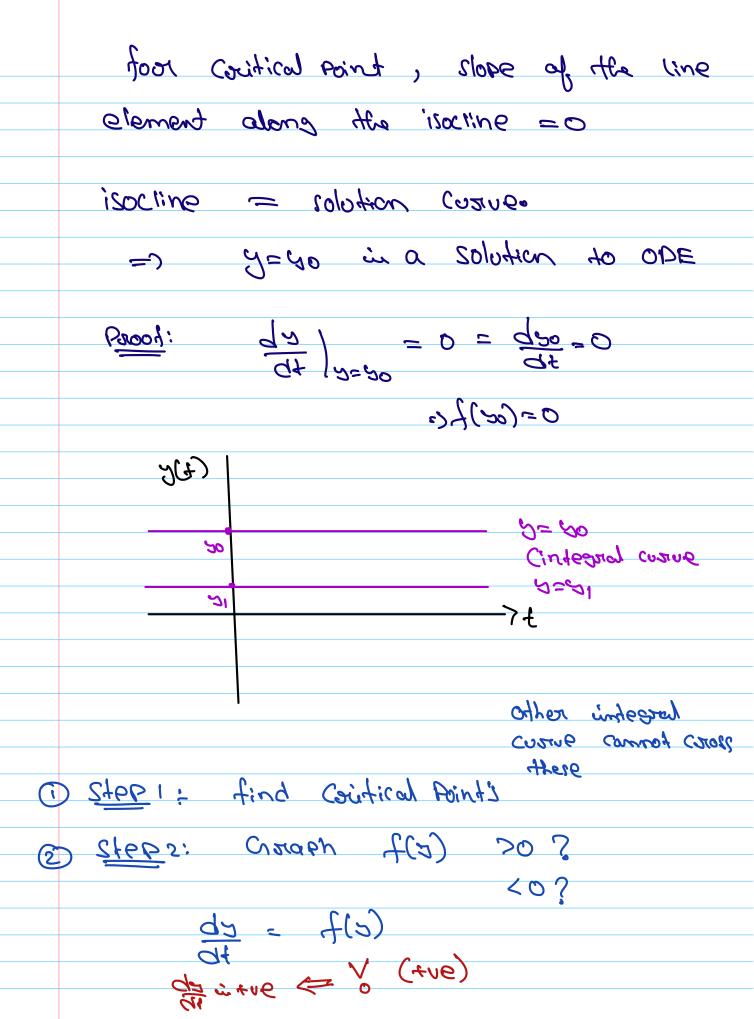
Ensiseanie sus l'avers lorgestor (

1 - Lordegad convert aver restore

1 - Lordegad contra for an equit of the test for a contra for a

Critical Point:

f(30)=0



Slope in the s Solution in incorpations.

De confinon muferest rate

90 = 217 - M

(Great gas reaver on of Anno 25 showed only of

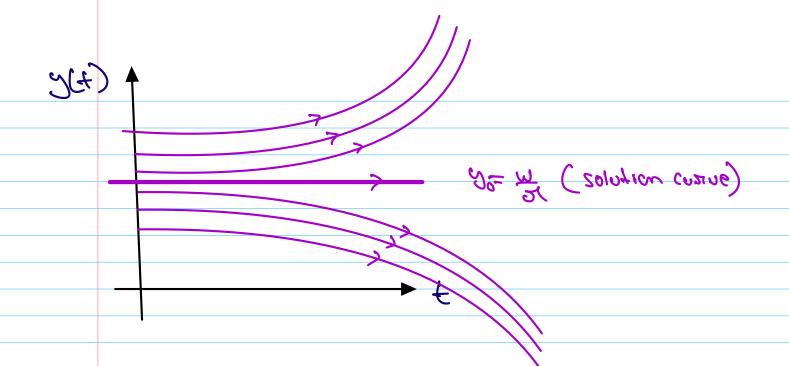
de = 219-M = f(2) (antonomons ear)

f(20)=0 =) 212-m=0

=) yo = W (Cocifical Princh)

4 = ((2))=-ve (ine: 212-w (21000 21)

Confice P(4) on wereasing. As 20 (qo +ne)



Logistic com

Population Rehavior y(+)

Logistic Growth

K deciners when y ansareasis

two Coutical Point's-

