A1 $\dot{x} = 0$ $\dot{y} = \left(\frac{F - kv - mg \sin(d)}{m}\right) \stackrel{!}{=} 0$ $0 \stackrel{?}{=} 0 \stackrel{?}{=} 0$

$$\dot{V} = \left(\frac{F - kv - mg \sin(d)}{m}\right)$$

all rates of change, have to be zero.

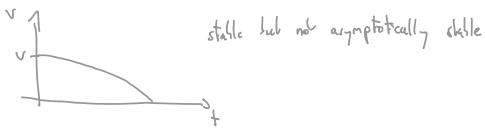
infinite eq. states: either Thrush to balance for sinity or

equilibrium: x abitury

f=mg sin(d)

Unrealistic

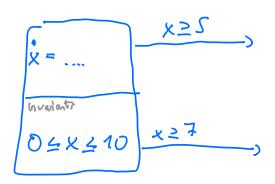
[F=0 result, in either f, 5 or <, n (d) seing zero >> <=0



C) choice P such that it is -7 if in it negative and +1 it in positive, this will cause integrations to accumulate valuer -s not sounded!

A4) Uzsied Anbonita Example

Non deloring the if we take familion at x=5 or not



(a)
$$\begin{cases} x_R = 0 & y_R = -10 & V_{R_X} = 0 \\ x_B = 10 & y_B = 10 & V_{R_Y} = 0 \end{cases}$$

$$\begin{cases} x_R = V_{R_X} & \text{we can leave out all nates of changes but} \\ y_R = 0 & y_B = 0 \end{cases}$$

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$$\begin{cases} x$$

$$\frac{\sqrt{6^{K}} = \sqrt{6^{K}}}{\sqrt{6^{K}}}$$

$$K_0 = V_{Rx} \times_R = V_{Rx}$$

$$V_{Rx} = \frac{F}{v_R + v_P} = V_{Qx}$$

$$10 m \leq K_R \leq 20 m$$

