Bruce Emeron GIVEN! Strategy: Polative motion Fire Var the Ver relative I expect was LOW from sometry 「AB= 図4"至6" => 1/3=36"/s @ 45°, x comp = 異.36=26"/s Certainly duly expect a to more right any faster than Vc is pure x so Vc =0

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HW#/Soumple ENGR212 Bruce Emerson Solni cont WX VB/A= ωx r<sub>8/4</sub> = +4 ω 6 - j(+4ω) = (cut - 5 cut = TC/8= 10"3-7" Oteo 2: Vy= V3/5 10/B was was (hand to know) Was x re/3 0 0 was Vy= 1402-400] + [7600 + 1 A + 1 V40= (40+7600) 2 = 7 was - - (-10 was) +(10wce-4w)) = 7 wo ? + 10 was w<sub>08</sub>-4 w= 0 => Was = 410=04(6 rad/6) U28 = 24 racks

3

Bruce Emerson HW#/Sumple Solvi cont was = 24 rad/s

Ty = (4w+7was) = (4 (6 rad)+7 (2.4 rad/s)) [

Vc/0 = 24 1/5+16-8 1/5 = 40.8 1/5

recossion: I'm a bit bothered because this is bigger than the x component of UB. After thinking about it I realize that even if UB were conly straight down in woold still how an a component due to the BC member extending down the slot. make sensenthat it would be U, >26 %

KIGRAIQ