EHO 322E Dyild Electronic Circuits

(1) Delays couldn't intend cops

Elmore deley model for RC ladde

Vin om Jung Cont

tphy/ PLM = 0,69 [4] (1 + (RIDR) CZ+ + (RIDR) CN)

EPHURPLH=018 (CI(E)))

Ry Ry Rode Court Cont 2

Vin and July 2 Vont 2

FLH-2=?

Control of Control

Rr, Rz ignored ladder form

Ry ig worth

€ PLH-= 0,69[R, (C,+C,)+(R,+R,) C, +(R,+R,+R,) C,)

filme model for comb

Ex 2-nont NAND gate

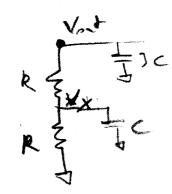
X, oly JbX XI Jack

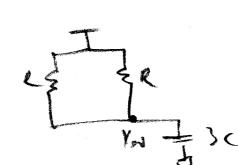
C) X1 =1->0 P X=1-10 Z

Suppose that each tran. has an internel appropria of C at its DEBIN. rode. Each ON hon. is modeled with a result of R. Calculate the delega a) XI = 0-31 5

xx-initial = 100 Xx = 0 - 31 - 7

X2=0-31 -1





Consider a cross areal shown below Each Mos transiter has an equivalent resister RV. Suppose that You is now sould composed to the

KI AL XY

Calculate the delas

5) X1=0=1 5 X2=1 X3=1 X4=1

(p) V. -t - mitul = VoD R VoD

(po - VT) C Y - initul & VoD R VoD

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(phi & 0