

tpl4-INV = 0,69. 1,5kp. 10fF= 10,35 ps

EPHL-INU = 0,69. 1 KD. 10fF- 6,9 ps

EPHL-NAND = 0,69-2k1-10fF= 13,8 ps

t PLH-NAND = 0,69. 0,75 k.M. loff= 5,175 ps

EPLH-NAND-1+ron =0,69. 1,5kp. 10+F= 10,35ps

CLK=1, D=1 => Q=1, Q=0 D=0 > Q=0, Q=1

D: 0 > 1 tplH-Q = tpHL-NAND1 + tplH-NAND3-1+00 = 13,8+10,35= 24,15ps/

tpHL-INV + tLH-NAND2-THEN = 10,35+10,35=20,7 ps < tpLH-9=24,15 ps

EPHL- Q = 6PLH-Q+ tPHL-NAND4 = 24,15+13,8 = 37,35PS

D: 1-30 tplH-8=tplH-INUttpHL-NAWD2+tplH-NAWD4-1400 = 10,35+13,8+10,35=34,5ps

tpl+-NANO1-1+ren=10,35ps < tpl+ = 34,5ps

+ PHL-03 = + PLH-03 + + PHL-NAND3 = 34,5+ 13,8 = 48,3 PS//

In simulation; while L=0,64, Wp should be in the interval [1,54,2,54] Wn should be in the interval [14, 24]