

J	20) F=A'B=/A+B') -> AND gole A B G, G2 F 000 on off 001 A-d H-00-A 10 on off 001 11 off 0010		
	(o"	A B 16. G2 F	
	A-11-10-02 A	ABG, G2 F 00 on off or 1 V 10 on off or 1 V 11 off or 0 V	
	F	or loff on IV	
	A-d - l-on-A	10 on off 0.1	
		11 off on 0	
	S		
	3a) $L=Y$, find $t_{pLH}(0,2)$ $x=t_{pLH}(0,R)+t_{pLH}(0,0R)+t_{pHL}(N,0R)+t_{pLL}(N,0R)$ x=(0.08+0.075(2))+(0.08+0.038)+(0.07+0.016))+		
	(0.06+0,075(4))		
	x= 0.23 + 0.118+ 0.086 0.36 = 0.794 ns		
-	y=tplH(OR) + tplH(NOR) + tplH(NOR)		
	y = (0.05 + 0.075(2)) + (0.07 + 0.016)) + (0.06 + 0.075(4)) y = 0.23 + 0.086 + 0.36 = 0.6760s		
	tpu(diz)= max(x,y)=	0.794ns	
	35) L=4, find tothe (b,2) x = tothe (AND) + tothe (AND) + tothe (NOR) x= (0.09+0.027(2)) + (0.09+0.027) + (0.00+0.07) +		
	(0.07+ 0.016(4))		
	x = 0.144+ 0.1171 0.135 + 0.134 = 0.153ns $y = tphi(AND)+ tplh(Nor) + tphi(Nor)$ $y = 0.144+ 0.135+ 0.134 = 0.413ns$ $tphi(b, z) = Man(x, y) = 0.53ns$		
	tpH1(b, 2)= Max(x,y):	0.5305	







