

UNDERSTANDING BASIC GATING

(Gates vs Functions, Functions vs Input Levels)



A	B	X ₁
0	0	
0	1	
1	0	
1	1	



A	B	Y ₁
0	0	
0	1	
1	0	
1	1	



A	B	X ₂
0	0	
0	1	
1	0	
1	1	



A	B	Y ₂
0	0	
0	1	
1	0	
1	1	



A	B	X ₃
0	0	
0	1	
1	0	
1	1	



A	B	Y ₃
0	0	
0	1	
1	0	
1	1	



A	B	X ₄
0	0	
0	1	
1	0	
1	1	



A	B	Y ₄
0	0	
0	1	
1	0	
1	1	

"NOT" Function



Handwritten signature
1-10-20