

4.45 Create the internal design of a full-subtractor. (*Component design problem*).

Inputs			Outputs	
a	b	wi	d	wO
0	0	0	0	0
0	0	1	1	1
0	1	0	1	1
0	1	1	0	1
1	0	0	1	0
1	0	1	0	0
1	1	0	0	0
1	1	1	1	1

$$d = a'b'wi + a'bwi' + ab'wi' + abwi$$

$$wo = a'b'wi + a'bwi' + a'bwi + abwi$$

