

Time	0				8 sec				16 sec				24 sec			
i	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	
j	0				1				2				3			
t_a[1:0]	00				01				10				11			
t_b[1:0]	00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	
t_cout																
t_sum[1:0]	00	01	10	11	01	10	11	00	10	11	00	01	11	00	01	