Slot#	q_4	q_3	q_2	q_1	q_{nm}	q_{be}
			S$_1$: GCL of P$_A$			
0	0	0	0	0	1	0
1	0	0	1	0	0	0
2	0	0	0	0	1	0
3	0	0	0	0	0	1
4	0	0	0	0	0	1
5	0	0	0	0	0	1
6	0	0	0	0	0	1
7	0	0	0	0	0	1
8	0	0	0	0	0	1
9	0	0	0	0	0	1

Slot#	q_4	q_3	q_2	q_1	q_{nm}	q_{be}
			S$_1$: GCL of P$_B$			
0	0	0	0	0	1	0
1	0	0	0	0	0	1
2	0	0	0	1	0	0
3	0	0	0	0	0	1
4	0	0	0	0	0	1
5	0	0	0	0	0	1
6	0	0	0	0	0	1
7	0	0	0	0	0	1
8	0	0	0	0	0	1
9	0	0	0	0	0	1

Slot#	q_4	q_3	q_2	q_1	q_{nm}	q_{be}
			S$_2$: GCL of P$_A$			
0	0	0	0	0	1	0
1	0	0	1	0	0	0
2	0	0	0	0	0	1
3	0	0	0	0	0	1
4	0	0	0	0	0	1
5	0	0	0	0	0	1
6	0	0	0	0	0	1
7	0	0	0	0	0	1
8	0	0	0	0	0	1
9	0	0	0	0	0	1

Slot#	q_4	q_3	q_2	q_1	q_{nm}	q_{be}
			S$_2$: GCL of P$_B$			
0	0	0	0	0	1	0
1	0	0	0	0	1	0
2	0	0	0	1	0	0
3	0	0	0	0	0	1
4	0	0	0	0	0	1
5	0	0	0	0	0	1
6	0	0	0	0	0	1
7	0	0	0	0	0	1
8	0	0	0	0	0	1
9	0	0	0	0	0	1