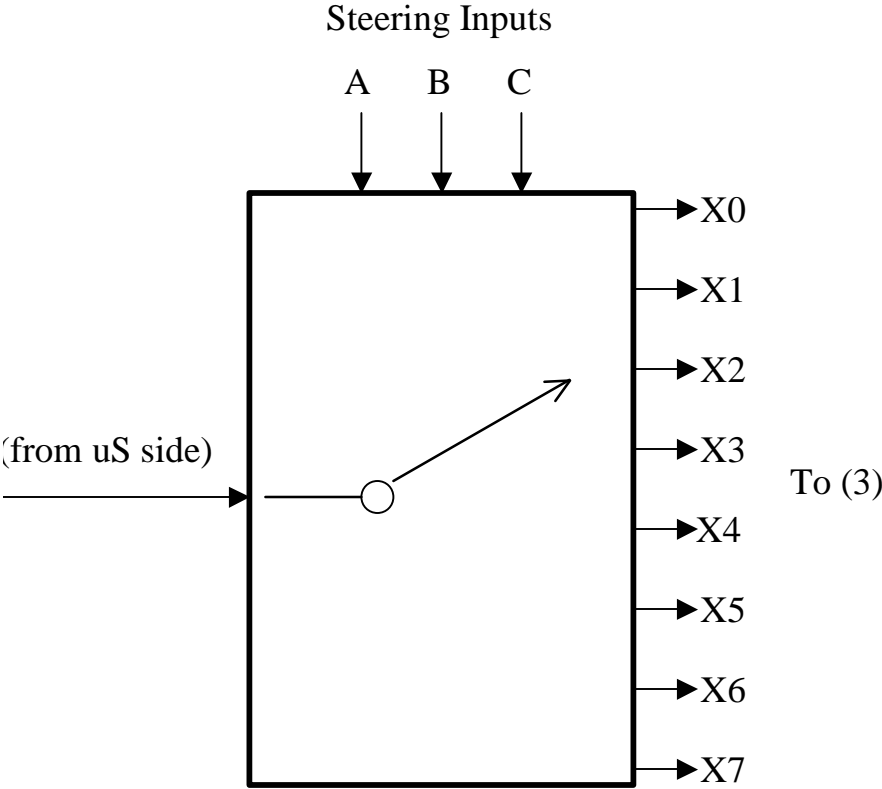
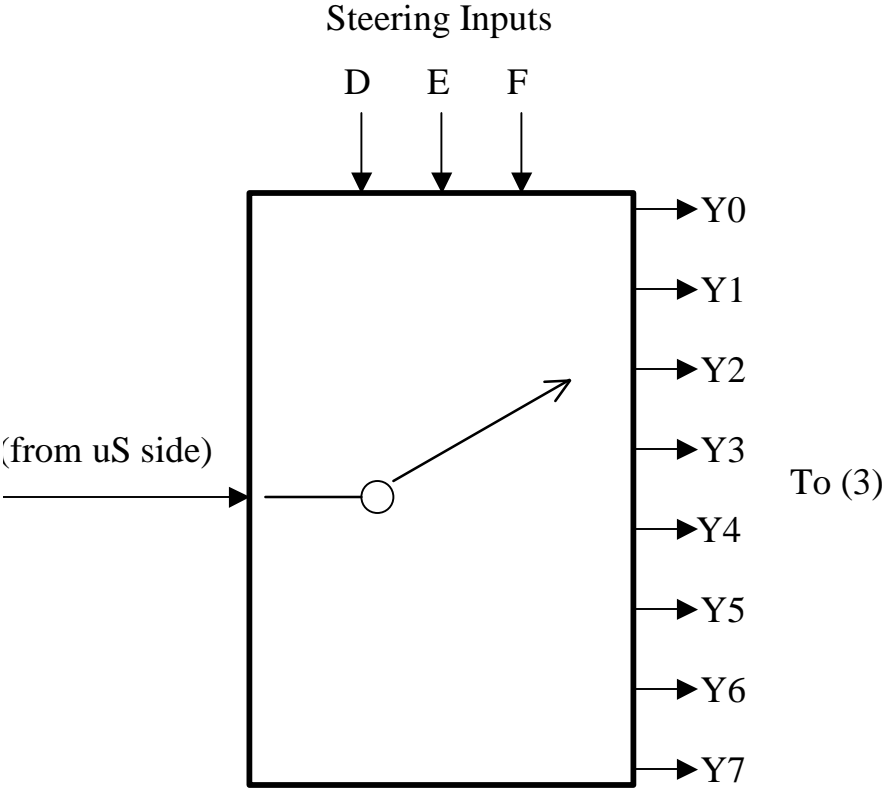


(1) First Ignition Channel (I0) Router



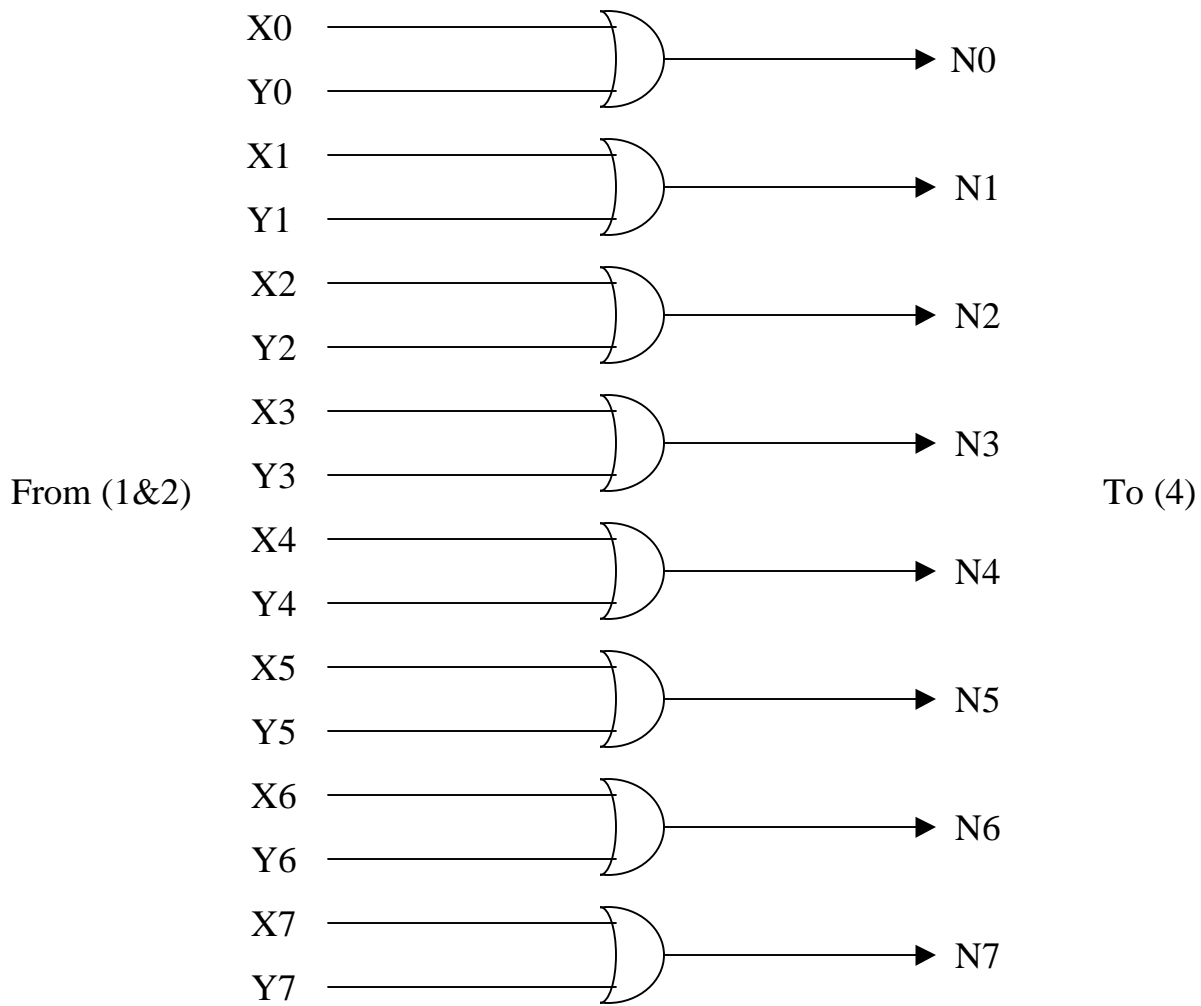
| IO | C | B | A | X7 | X6 | X5 | X4 | X3 | X2 | X1 | X0 |
|----|---|---|---|----|----|----|----|----|----|----|----|
| 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(2) Second Ignition Channel (I1) Router

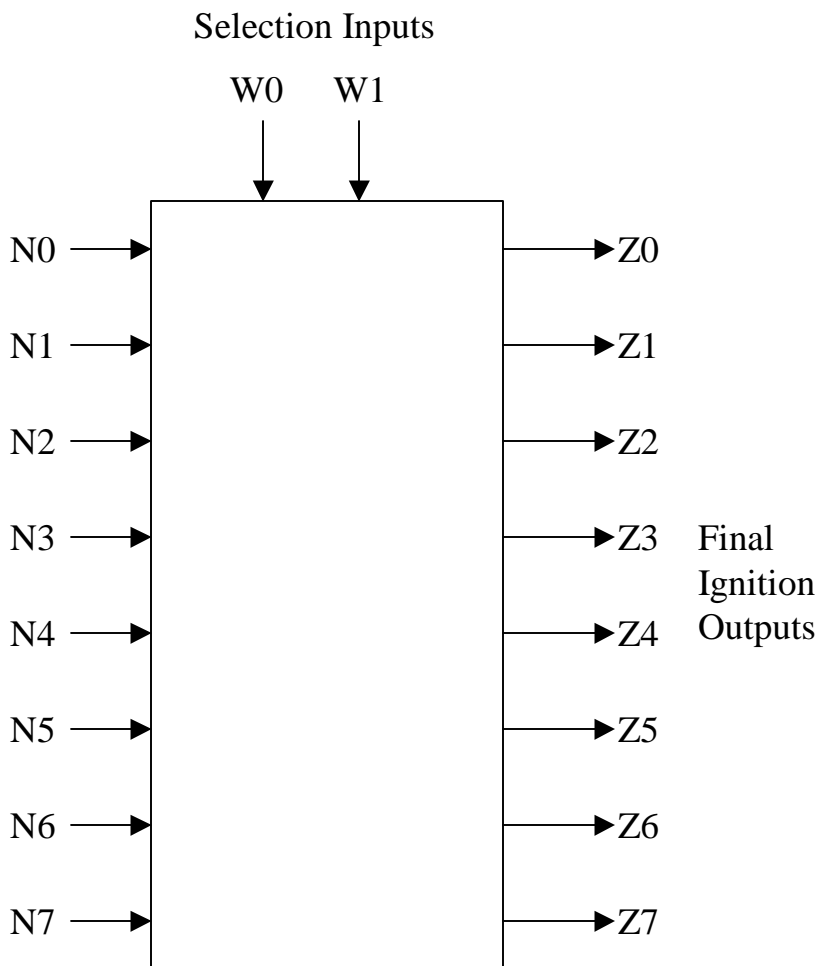


| I1 | F | E | D | Y7 | Y6 | Y5 | Y4 | Y3 | Y2 | Y1 | Y0 |
|----|---|---|---|----|----|----|----|----|----|----|----|
| 0 | x | x | x | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(3) Combine Channels



(4) Group Channels (In Wasted Spark Mode)



| W0 | W1 | Grouping Definition | |
|----|----|------------------------------|--|
| 0 | 0 | Full COP Mode (no groupings) | |
| 1 | 0 | Four-Cylinder Grouping | |
| 0 | 1 | Six-Cylinder Grouping | |
| 1 | 1 | Eight-Cylinder Grouping | |

| 4-Cyl Mode | 6-Cyl Mode | 8-Cyl Mode |
|------------|------------|------------|
| Z0 = N0 | Z0 = N0 | Z0 = N0 |
| Z1 = N1 | Z1 = N1 | Z1 = N1 |
| Z2 = N0 | Z2 = N2 | Z2 = N2 |
| Z3 = N1 | Z3 = N0 | Z3 = N3 |
| Z4 = 0 | Z4 = N1 | Z4 = N0 |
| Z5 = 0 | Z5 = N2 | Z5 = N1 |
| Z6 = 0 | Z6 = 0 | Z6 = N2 |
| Z7 = 0 | Z7 = 0 | Z7 = N3 |