

| HEX | INPUTS | | | | OUTPUTS | | | | |
|-----|--------|---|---|---|---------|---|---|---|---|
| | D | C | B | A | 1 | 2 | 3 | 4 | Z |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 5 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 6 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| 7 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 9 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| A | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| B | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| C | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| D | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| E | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
| F | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |