4 VARIABILI = $2^4$

| | | INPUT | | | OUTPUT | (POS) | (SOP) |
|---|---|---|---|---|---|---|---|
| DECIMALI | A | B | C | D | Y | MAX | MIN |
| 0 | 0 | 0 | 0 | 0 | | (A+B+C+D) | A'B'C'D' |
| 1 | 0 | 0 | 0 | 1 | | (A+B+C+D') | A'B'C'D |
| 2 | 0 | 0 | 1 | 0 | | (A+B+C'+D) | A'B'CD |
| 3 | 0 | 0 | 1 | 1 | | (A+B+C'+D') | A'B'CD |
| 4 | 0 | 1 | 0 | 0 | | (A+B'+C+D) | A'BC'D' |
| 5 | 0 | 1 | 0 | 1 | | (A+B'+C+D') | A'BC'D |
| 6 | 0 | 1 | 1 | 0 | | (A+B'+C'+D) | A'BCD' |
| 7 | 0 | 1 | 1 | 1 | | (A+B'+C'+D') | A'BCD |
| 8 | 1 | 0 | 0 | 0 | | (A'+B+C+D) | AB'C'D' |
| 9 | 1 | 0 | 0 | 1 | | (A'+B+C+D') | AB'C'D |
| 10 | 1 | 0 | 1 | 0 | | (A'+B+C'+D) | AB'CD' |
| 11 | 1 | 0 | 1 | 1 | | (A'+B+C'+D') | AB'CD |
| 12 | 1 | 1 | 0 | 0 | | (A'+B'+C+D) | ABC'D' |
| 13 | 1 | 1 | 0 | 1 | | (A'+B'+C+D') | ABC'D |
| 14 | 1 | 1 | 1 | 0 | | (A'+B'+C'+D) | ABCD' |
| 15 | 1 | 1 | 1 | 1 | | (A'+B'+C'+D') | ABCD |

| | AB 00 | AB 01 | AB 11 | AB 10 |
|---|---|---|---|---|
| CD 00 | 0 | 4 | 12 | 8 |
| CD 01 | 1 | 5 | 13 | 9 |
| CD 11 | 3 | 7 | 15 | 11 |
| CD 10 | 2 | 6 | 14 | 10 |