

SUM of PRODUCTS

Map

| | $\overline{D.E.F}$ | $\overline{D.E}.F$ | $\overline{D}.E.F$ | $\overline{D.E.F}$ | $D.E.F$ | $D.E.F$ | $D.E.F$ | $D.E.F$ |
|--------------------|--------------------|--------------------|--------------------|--------------------|---------|---------|---------|---------|
| $\overline{A.B.C}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $\overline{A.B}.C$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $\overline{A}.B.C$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $\overline{A.B.C}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $A.\overline{B.C}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $A.\overline{B}.C$ | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| $A.B.C$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $A.B.\overline{C}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Map Layout

| | $\overline{D}.\overline{E}.\overline{F}$ | $\overline{D}.\overline{E}.F$ | $\overline{D}.E.\overline{F}$ | $\overline{D}.E.F$ | $D.\overline{E}.\overline{F}$ | $D.\overline{E}.F$ | $D.E.\overline{F}$ | $D.E.F$ |
|--|--|-------------------------------|-------------------------------|--------------------|-------------------------------|--------------------|--------------------|---------|
| $\overline{A}.\overline{B}.\overline{C}$ | 0 | 1 | 3 | 2 | 4 | 5 | 7 | 6 |
| $\overline{A}.\overline{B}.C$ | 8 | 9 | 11 | 10 | 12 | 13 | 15 | 14 |
| $\overline{A}.B.\overline{C}$ | 24 | 25 | 27 | 26 | 28 | 29 | 31 | 30 |
| $\overline{A}.B.C$ | 16 | 17 | 19 | 18 | 20 | 21 | 23 | 22 |
| $A.\overline{B}.\overline{C}$ | 32 | 33 | 35 | 34 | 36 | 37 | 39 | 38 |
| $A.\overline{B}.C$ | 40 | 41 | 43 | 42 | 44 | 45 | 47 | 46 |
| $A.B.\overline{C}$ | 56 | 57 | 59 | 58 | 60 | 61 | 63 | 62 |
| $A.B.C$ | 48 | 49 | 51 | 50 | 52 | 53 | 55 | 54 |

Groups

(43) A. \overline{B} .C. \overline{D} .E.F

$$y = A.\overline{B}.C.\overline{D}.E.F$$

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | - | A | B | - | B | C | - | C | D | - | D | E | - | E | F | - | F |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|----|---|---|---|---|---|---|---|
| 31 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| 32 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 34 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 35 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 36 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 37 | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| 38 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 39 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| 40 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 41 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 42 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 43 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| 44 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 45 | 1 | 0 | 1 | 1 | 0 | 1 | 0 |
| 46 | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
| 47 | 1 | 0 | 1 | 1 | 1 | 1 | 0 |
| 48 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 49 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 50 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 51 | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| 52 | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| 53 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| 54 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| 55 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| 56 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 57 | 1 | 1 | 1 | 0 | 0 | 1 | 0 |
| 58 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 59 | 1 | 1 | 1 | 0 | 1 | 1 | 0 |
| 60 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 61 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| 62 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 63 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |

