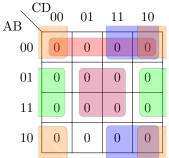
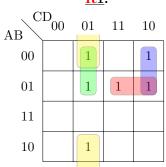
Example:

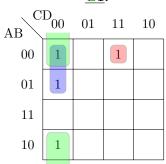


<u>R1</u>:



 $\overline{B}\,\overline{C}D + \overline{A}\,\overline{C}\,D + \overline{A}BC + \overline{A}C\overline{D}$ $\overline{C}D(\overline{A} + B) + \overline{A}C(B + \overline{D})$

$\underline{\mathbf{G1}}$:

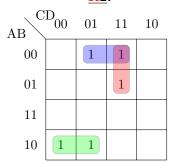


$$\overline{A}\,\overline{B}CD + \overline{A}\,\overline{C}\,\overline{D} + \overline{B}\,\overline{C}\,\overline{D}$$

$$\overline{A}\,\overline{B}CD + \overline{C}\,\overline{D}(\overline{A} + \overline{B})$$

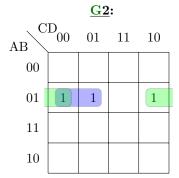
$$\overline{A}\,\overline{B}CD + (\overline{C} + \overline{D})(\overline{A}\overline{B})$$

R2:



$$\overline{A}\,\overline{B}D + \overline{A}CD + A\overline{B}\,\overline{C}$$

$$\overline{A}D(\overline{B} + C) + A\overline{B}\,\overline{C}$$

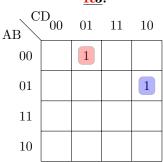


$$\overline{A}B\overline{C} + \overline{A}B\overline{D}$$

$$\overline{A}B(\overline{C} + \overline{D})$$

$$\overline{A}B(\overline{CD})$$

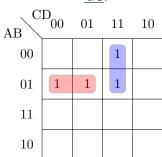
<u>R3</u>:



$$\overline{A}\,\overline{B}\,\overline{C}D + \overline{A}BC\,\overline{D}$$

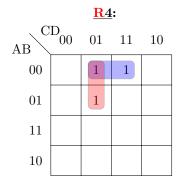
$$\overline{A}(\overline{B}\,\overline{C}D + BC\overline{D})$$

<u>G3</u>:



$$\overline{A}B\overline{C} + \overline{A}CD$$
$$\overline{A}(B\overline{C} + CD)$$

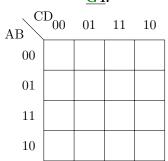
1



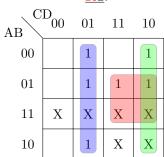
$$\overline{A}\,\overline{C}D + \overline{A}\,\overline{B}D$$
$$\overline{A}D(\overline{C} + \overline{B})$$

$$\overline{A}D(\overline{CB})$$

<u>G4</u>:



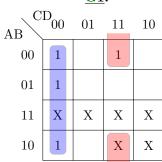




$$C\overline{D}+CB+\overline{C}D$$

$$CB + (C \oplus D)$$

 $\underline{\mathbf{G1}}$:

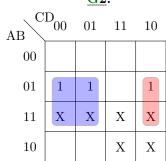


$$\overline{C}\,\overline{D} + \overline{B}CD$$

$$A + \overline{B}D + CD$$

$$A + D(\overline{B} + C)$$

<u>G2</u>:

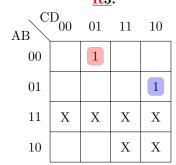


$$B\overline{C}+BC\overline{D}$$

$$B(\overline{C} + C\overline{D})$$

$$B(\overline{C}+\overline{D})$$

<u>R3</u>:

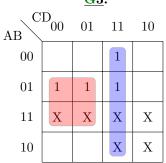


$$\overline{A}\,\overline{B}\,\overline{C}D + \overline{A}BC\overline{D}$$

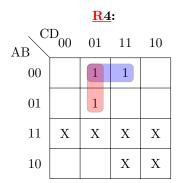
$$\overline{A}(\overline{B}\,\overline{C}D+BC\overline{D})$$

$$\overline{A}(B\oplus D)(C\oplus D)$$

<u>G3</u>:



$$B\overline{C}+CD$$



 $\overline{A}\overline{C}D + \overline{A}\overline{B}D$ $\overline{A}D(\overline{C} + \overline{B})$ $\overline{A}D(\overline{CB})$