

This project asks you to use Karnaugh maps to find a minimal expansion of a Boolean expression.

(a) Do #12 in section 11.4.

(b) Find a minimal expansion of the following, using a Karnaugh map.

$$wxyz + \overline{w}xyz + wx\overline{y}z + \overline{w}x\overline{y}z + \overline{w}x\overline{y}\overline{z} + \overline{w}\overline{x}\overline{y}\overline{z} + w\overline{x}\overline{y}\overline{z} + \overline{w}\overline{x}y\overline{z} + \overline{w}\overline{x}\overline{y}z$$