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Mapa de Karnaugh

Ngray[3]

Nbin[3] Nbin[2] Nbin[1] Nbin[0]

Ngray[2]

Nbin[3] Nbin[2] Nbin[1] Nbin[0]

Ngray[1]

Nbin[3] Nbin[2] Nbin[1] Nbin[0]

Ngray[0]

Nbin[3] Nbin[2] Nbin[1] Nbin[0]

Solução

 $Ngray[3] = \overline{Nbin[3]} \cdot \overline{NBin[2]} \cdot \overline{Nbin[1]} \cdot \overline{Nbin[0]} + Nbin[3] \cdot \overline{Nbin[1]} \cdot Nbin[0] + Nbin[3] \cdot Nbin[1] + Nbin[3] \cdot \overline{Nbin[1]}$

 $Ngray[2] = Nbin[3] \cdot \overline{Nbin[2]} + Nbin[3] \cdot \overline{Nbin[1]} \cdot \overline{Nbin[0]} + \overline{Nbin[3]} \cdot Nbin[2] \cdot Nbin[0] + \overline{Nbin[3]} \cdot Nbin[2] \cdot Nbin[1]$

 $Ngray[1] = Nbin[2] \cdot \overline{Nbin[1]} + \overline{Nbin[2]} \cdot Nbin[1] \cdot Nbin[0] + Nbin[2] \cdot Nbin[1] \cdot \overline{Nbin[0]}$

Ngray[0] = Nbin[1]

Diagrama lógico

