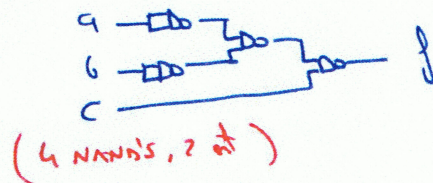


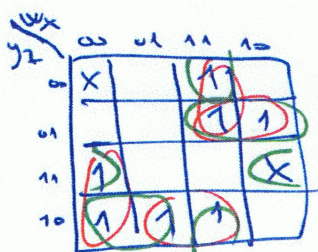
a) $f(a,b,c) = \sum (0,1,2,4,6)$



$$f = \overline{a}\overline{b} + \overline{c} = \overline{\overline{a}\overline{b} \cdot c} = \overline{a\overline{b} \cdot c}$$



b) $g(w,x,y,z) = \sum (1,3,6,9,12,13,14) + \phi(0,11)$



hay varias opciones,

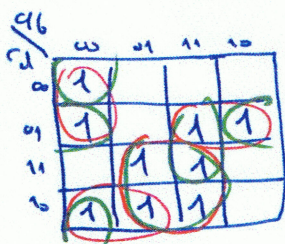
- $g = \overline{w}\overline{x}y + xyz + w\overline{x}\overline{y} + w\overline{y}z = \overline{w}\overline{x}y \cdot xyz \cdot w\overline{x}\overline{y} \cdot w\overline{y}z$

- $g = \overline{w}y\overline{z} + \overline{x}yz + w\overline{x}\overline{z} + w\overline{y}z$

(... hay mas opciones, y todo de 4 terminos con 3 literales y todo los literales repetidos)

de 4 terminos

c) $h(a,b,c,d) = \prod (3,4,5,8,10,11,12) = \sum (0,1,2,6,7,9,13,14,15)$



hay mas opciones

$$h = bc + \overline{a}\overline{b}\overline{c} + \overline{a}c\overline{d} + a\overline{c}d = \overline{b}\overline{c} \cdot \overline{a}\overline{b}\overline{c} \cdot \overline{a}c\overline{d} \cdot a\overline{c}d$$

$$h = bc + \overline{a}\overline{b}\overline{d} + \overline{b}\overline{c}d + abd$$

