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Somadores Versáteis

$R = 85.A$, para $C = 0$

$R = 49.A + 1764$, para $C = 1$

Recursos: somador de 8 bits, 3 MUX-2:1, 3 OR-2, 2 AND-2, 2 NOT.

$2^{10} \ 2^9 \ 2^8 \ 2^7 \ 2^6 \ 2^5 \ 2^4 \ 2^3 \ 2^2 \ 2^1 \ 2^0$

0 0 $u_3 \ u_2 \ u_1 \ u_0 \ u_3 \ u_2 \ u_1 \ u_0$

$C = 0$

→ $u_3 \ u_2 \ u_1 \ u_0 \ u_3 \ u_2 \ u_1 \ u_0$

1 $\overline{u_2} \ u_3 \ u_2 \ u_1 \ u_0 \ u_3 \ u_2 \ u_1 \ u_0$

→ 1 $u_3 \ u_2 \ u_1 \ u_0 \ 0 \ 1 \ 1$

