Look carry ahead Circuit.

Sum =) A B B P CM

Carry => Cin (A+B) + AB

P => A B

G => A B

eq0:
Ch PoP1 + GoP1 + G1

eq3:
ChPoP1P2 + GoP1P2 + G1P2 + G1P2 + G2

20A:-

Cappop1p2p3 + G10p1p2p3 + G172p3 + G12p3 + G12