		Cout	0	0	0		0		~	
	4.6	Sum	0	-	~	0		٥	٥	_
	-	J x	0	_	0	-	0	-	٥	_
5		æ	٥	၁	_	-	0	0	-	-
FullAdoler	Input	∢ .	o 	0	0	0	<u>-</u>	-	-	

Sum = ABC-in + ABC-in + ABC-in + ABC-in = A(Bc-in + BC-in) + A(BC-in + Bc-in) = A(B xor C-in) + A(B xor C-in) = A xor (B xor C-in) C-out = AB c-in + AB C-in + AB C-in + AB C_in
= AB + C-in (AB + AB)
= AB + C-in (A xor B)

R