


Input conditions at A1, B1, A2, B2, and C0 are used to determine outputs $\Sigma 1$ and $\Sigma 2$ and the value of the internal carry C 2 . The values at $\mathrm{C} 2, \mathrm{~A} 3, \mathrm{~B} 3, \mathrm{~A} 4$, and B4 are then used to determine outputs $\Sigma 3, \Sigma 4$ and C 4

## Logic Diagram



