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A hand-drawn block diagram of a 4-bit ripple-carry adder. It consists of two identical 4-bit adder blocks. The top adder has four inputs on the left, all labeled '0'. It has two outputs at the bottom, labeled 'C' and 'B'. The bottom adder also has four inputs on the left, all labeled '0'. It has two outputs at the bottom, labeled 'C' and 'B'. The output 'B' of the top adder is connected to the input 'A' of the bottom adder. The output 'B' of the bottom adder is connected to the input 'A' of the top adder. This configuration represents a 4-bit ripple-carry adder where the carry-out of one stage is the carry-in for the next stage.