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Section 2 Study Questions

Advantages ripple-carry adders for adding two 4 bit numbers is that the given inputs and outputs of each process when adding each bit between the two 4 bit numbers is visually easier to process, whereas with the single logic block connections internally would be more difficult to construct and completely understand. A disadvantage of ripple-carry adders for adding two 4 bit numbers is that there are multiple inputs and outputs to keep track of, there are more use of transistors, there is more to it, whereas with the single logic block there is not as many input and outputs to keep track of overall, and where the connections go through.