CIS 351 Sample ADD3 Problem

06 January 2022

(a	,)	Sketch	the top-	level of	a	16-bit	carry-se	lect	adder.
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(b)	Assume that the carry-select pattern is applied at only the top-level, and that the component 8-bit
	adders are standard ripple-carry adders. Fill in the blanks: The propagation delay of this carry select
	adder is (more than, exactly, less than) (give a fraction) that of a
	16-bit ripple carry adder.

(c) Explain your choice of "more than", "exactly", or "less than" for the previous problem.