CSE141L Lab 3 Caching Optimizations Worksheet2

• Complete this worksheet while reading/working through the lab write up. The worksheet doesn't make sense without the lab. • The point values are listed for each question. Altering the size of the cells will cost you 1 point. The write up portion of the lab is 30% of lab as shown in the lab's README.md Tier 2: Optimizing calc_grads P1 (4pt) Change the order of loops from b i n to b n i in the the triply-nested loop in fc_layer_t::calc_grads and report Speedup after loop reordering: P2 (4pt) Block loop n in the the triply-nested loop in fc_layer_t::calc_grads with different step sizes and fill out the follow Function Step size Base implementation time Blocked implementation time Speedup calc_grads	the speedup.
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P3 (4pt) In a single line plot, plot performance vs. block size for blocking the loop n in the the triply-nested loop in fc_layer	
	_t::calc_grads
Your graph here	
Best block size :	

Tier 3: Applying More Optimizations

P1 (5pt) Give a brief description of two additional loops you tried blocking. Report the speedup you achieved for each one.

Your answer here			
P2 (5pt) Give a brief description of an addition	al optimization you implemented to speed	dup training.	
Your answer here			