BIRKBECK, UNIVERSITY OF LONDON

Computer Systems Coursework1

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Answers

1. First

   (a) LOAD R1, a
       LOAD R2, b
       ADD R1, a, b

   (b) other point

   (c) The table 1 is an example of referenced LaTeXelements.

	IF	ID	IW	RR	EX	WB	Comments
1	2	3	4	5	6	7	This is a long explanation
2	7	78	5415	5	6	7	
3	545	778	7507	5	6	7	
4	545	18744	7560				
5	88	788	6344				
6	88	788	6344				

Table 1: Table to test captions and labels

2. 15 ns = 15×10^{-9} seconds
   85 ns = 85×10^{-9} seconds
   10 ms = 1×10^{-2} seconds

   Probability of being in main memory is 0.7 and cache hit ratio is 0.4.
   Therefore time to load is:
   $0.7 \times 1 \times 10^{-2} + 0.3 \times (0.4 \times 15 \times 10^{-9} + 0.6 \times 85 \times 10^{-9})$