

Addition in Computer:				
3 + 4 =				
Carry Input:	0	00	000	
Addend: 3 →	011	011	011	011
Addend: 4 →	100	100	100	100
Result: 7	1	11	111	
	Step-1: 1	Step-2: 3	Step-3: 7	

  

Addition in LLMs:				
3 + 4 =				
Carry Input:	0	00	000	
Addend: 3 →	011	011	011	011
Addend: 4 →	100	100	100	100
Result: 7	1	11	111	
	Step-1: 4	Step-2: 6	Step-3: 7	

Figure 17: The addition calculation process in computer and in LLMs.