Sheet1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
LD R2, [R7]	IF	ID	RD	ALU	MEM	WB																
LD R3, [R7]		IF	ID	RD	ALU	MEM	WB															
LD R5, [R8]			IF	ID	RD	ALU	MEM	WB														
LD R6, [R8]				IF	ID	RD	ALU	MEM	WB													
ADD R1,R2,R3					IF	ID	S	RD	ALU	MEM	WB											
ADD R4,R5,R6						IF	S	ID	S	RD	ALU	MEM	WB									
ADD R5,R1,R4									IF	S	ID	S	S	S	RD	ALU	MEM	WB				
SD [R7], R5										IF	S	S	S	ID	S	S	S	RD	ALU	MEM	WB	
HLT														IF	S	S	S	ID	RD	ALU	MEM	WB

Total No of Clocks = 22
Clocks per Instruction = 22/9
No of Stall Cycles = 8