Decision Variables

t1	start time for activities 1-2, 1-3
t2	start time for activities 2-3, 2-4
t3	start time for activity 3-9
t4	start time for activity 4-5
t5	start time for activity 5-6
t6	start time for activities 6-7, 6-8
t7	start time for activity 7-8
t8	start time for activity 8-9
t9	start time for activity 9-10
t10	start time for activity 10-11
z	finish time for the project

Model

Minimize z subject to

t1	t2	t3	t4	t5	t6	t7	t8	t9	t10	z				
-1	1										>=	8		A
-1		1									>=	16		B
	-1	1									>=	12		C
	-1		1								>=	16		D1
			-1	1							>=	24		D2
			-1	1							>=	20		D3
				-1	1						>=	40		D4
					-1	1					>=	12		D5
					-1	1					>=	20		D6
						-1	1				>=	24		D7
							-1	1			>=	12		D8
	-1							1			>=	20		E
								-1	1		>=	12		F
								-1	1		>=	16		G
									-1	1	>=	12		H