

et.	instrucción	resultado	codificada	HILO	Resultados en registros
	DADDI R4, R0, #4	R4 = 4	8 0 4 4	0	R0 0
	DADDI R1, R0, #1	R1 = 1	8 0 1 1		R1 1
	DADDI R20, R0, #20	R20 = 20	8 0 20 20		R2 192
	DADDI R2, R0, #12	R2 = 12	8 0 2 12		R4 4
	ALLA DADDI R5, R0, #4	R5 = 4	8 0 5 4		R5 0
AHI	DSUB R5, R5, R1	R5 ← 1	34 5 1 5		R12 0 0 88
	BNEZ R5, AHI	Ejecuta el salto 4 veces	5 5 0 -2		R13 0 0 55
	SW R1, 0(R2)	MR2 = 1	43 2 1 0		R14 0 0 44
	SW R1, 4(R2)	MR2+4 = 1	43 2 1 4		R15 0 0 33
	SW R1, 8(R2)	MR2+8 = 1	43 2 1 8		R20 0
	SW R1, 12(R2)	MR2+12 = 1	43 2 1 12		R31 99
	DSUB R20, R20, R4	R20 ← 4	34 20 4 20		
	DADDI R2, R2, #16	R2 ← 16	8 2 2 16		
	BNEZ R20, ALLA	Ejecuta el salto 4 veces	5 20 0 -10		
	DADDI R31, R0, #99	R31 = 99	8 0 31 99		
	SW R31, 368(R0)	M[368] = 99	43 0 31 368		
	LW R13, 92(R0)	R13 = M[92] = 0 0 55	35 0 13 92		
	LW R12, 0 (R0)	R12 = M[0] = 0 0 88	35 0 12 0		
	LW R14, 28(R0)	R14 = M[28] = 0 0 44	35 0 14 28		
	LW R15, 364 (R0)	R15 = M[364] = 0 0 33	35 0 15 364		
	FIN	FINALIZA	63 0 0 0		
	DADDI R4, R0, #4	R4 = 4	8 0 4 4	1	R0 0
	DADDI R2, R0, #2	R2 = 2	8 0 2 2		R2 2
	DADDI R28, R0, #28	R28 = 28	8 0 28 28		R4 4
	DADDI R16, R0, #160	R16 = 160	8 0 16 160		R5 0
ALLA	DADDI R5, R0, #3	R5 = 3	8 0 5 3		R11 0 0 99
	SW R2, 0(R16)	MR16 = 2	43 16 2 0		R13 0 0 55
	SW R2, 4(R16)	MR16+4 = 2	43 16 2 4		R14 0 0 44
	SW R2, 8(R16)	MR16+8 = 2	43 16 2 8		R15 0 0 33
	SW R2, 12(R16)	MR16+12 = 2	43 16 2 12		R16 272
	DSUB R28, R28, R4	R28 ← 4	34 28 4 28		R28 0
	DADDI R16, R16, #16	R16 ← 16	8 16 16 16		R31 88
AQUI	DADDI R5, R5, #-1	R5 ← 1	8 5 5 -1		
	BNEZ R5, AQUI	Ejecuta el salto 3 veces	5 5 0 -2		
	BNEZ R28, ALLA	Ejecuta el salto 6 veces	5 28 0 -10		
	DADDI R31, R0, #98	R31 = 98	8 0 31 98		
	SW R31, 0(R0)	M[0] = 98	43 0 31 0		
	LW R13, 92(R0)	R13 = M[92] = 0 0 55	35 0 13 92		
	LW R11, 368 (R0)	R11 = M[368] = 0 0 99	35 0 11 368		
	LW R14, 28(R0)	R14 = M[28] = 0 0 44	35 0 14 28		
	LW R15, 364 (R0)	R15 = M[364] = 0 0 33	35 0 15 364		
	FIN	FINALIZA	63 0 0 0		
	DADDI R4, R0, #4	R4 = 4	8 0 4 4	2	R0 0
	DADDI R3, R0, #3	R3 = 3	8 0 3 3		R3 3
	DADDI R28, R0, #28	R28 = 28	8 0 28 28		R4 4
	DADDI R4, R0, #240	R24 = 240	8 0 24 240		R5 0
ALLA	DADDI R5, R0, #4	R5 = 4	8 0 5 4		R11 0 0 99
	SW R3, 0(R24)	MR24 = 3	43 24 3 0		R12 0 0 88
	SW R3, 4(R24)	MR24+4 = 3	43 24 3 4		R14 0 0 44
ACA	DADDI R5, R5, #-1	R5 ← 1	8 5 5 -1		R15 0 0 33
	BNEZ R5, ACA	Ejecuta el salto mil veces	5 5 0 -2		R24 352
	SW R3, 8(R24)	MR24+8 = 3	43 24 3 8		R28 0
	SW R3, 12(R24)	MR24 + 12 = 3	43 24 3 12		R31 55
	DSUB R28, R28, R4	R28 ← 4	34 28 4 28		
	DADDI R24, R24, #16	R24 ← 16	8 24 24 16		
	BNEZ R28, ALLI	Ejecuta el salto 6 veces- el cuerpo del loop 7 veces	5 28 0 -10		
	DADDI R31, R0, #55	R31 = 55	8 0 31 55		
	SW R31, 92(R0)	M[92] = 55	43 0 31 92		
	LW R11, 368 (R0)	R11 = M[368] = 0 0 99	35 0 11 368		
	LW R12, 0 (R0)	R12 = M[0] = 0 0 88	35 0 12 0		
	LW R14, 28(R0)	R14 = M[28] = 0 0 44	35 0 14 28		
	LW R15, 364 (R0)	R15 = M[364] = 0 0 33	35 0 15 364		
	FIN	FINALIZA	63 0 0 0		
	DADDI R4, R0, #4	R4 = 4	8 0 4 4	3	R0 0
	DADDI R3, R0, #0	R3 = 0	8 0 3 0		R3 0, 2, 4, 5 6 6
	DSUB R30, R30, R30	R30 = 0	34 30 30 30		R4 4
	DSUB R10, R10, R10	R10 = 0	34 10 10 10		R5 0, 2 6 3
	DADDI R25, R0, #256	R25 = 256	8 0 25 256		R6 0, 2 6 3
	DADDI R8, R0, #8	R8 = 8	8 0 8 8		R8 0
ET1	LW R5, 0(R25)	R5 = MR25 = 0, 2 6 3	35 25 5 0		R10 0, 2, 4, 5 6 6
	LW R6, 4 (R25)	R6 = MR25 + 4 = 0, 2 6 3	35 25 5 4		R11 0 0 99
	DADD R3, R5, R6	R3 = R5 + R6 = 0, 2, 4, 5, 6	32 5 6 3		R12 0 0 88
	DADD R30, R30, R3	R30 ← R3	32 30 3 30		R13 0 0 55
	SW R4, 0(R25)	MR25 = 4	43 25 4 0		R15 0 0 33
	SW R4, 4 (R25)	MR25 + 4 = 4	43 25 4 4		R25 288
	LW R5, 8(R25)	R5 = MR25 = 0, 2 6 3	35 25 5 8		R30 R3 + R10 cada vez
	LW R6, 12(R25)	R6 = MR25 + 4 = 0, 2 6 3	35 25 5 12		R31 44
	DADD R10, R5, R6	R10 = R5 + R6 = 0, 2, 4, 5, 6	32 5 6 10		
	SW R4, 8(R25)	MR25 + 8 = 4	43 25 4 8		
	SW R4, 12(R25)	MR25 + 12 = 4	43 25 4 12		
	DADD R30, R30, R10	R30 ← R10	32 30 10 30		
	DADDI R8, R8, #-4	R8 ← 4	8 8 8 -4		
	DADDI R25, R25, # 16	R25 ← 16	8 25 25 16		
	BNEZ R8, ET1	Salto 1 vez (2 en total)	5 8 0 -15		
	SW R30, 20(R0)	M[20] = R30	43 0 30 20		
	BEOZ R8, END	SALTA	4 8 0 1		
	SW R25, 24 (R0)	NO SE DEBE EJECUTAR	43 0 25 24		
END	DADDI R31, R0, #44	R31 = 44	8 0 31 44		
	SW R31, 28 (R0)	M[28] = 44	43 0 31 28		
	LW R11, 368 (R0)	R11 = M[368] = 0 0 99	35 0 11 368		
	LW R12, 0 (R0)	R12 = M[0] = 0 0 88	35 0 12 0		
	LW R13, 92(R0)	R13 = M[92] = 0 0 55	35 0 13 92		
	LW R15, 364 (R0)	R15 = M[364] = 0 0 33	35 0 15 364		
	FIN	FINALIZA	63 0 0 0		
	DADD R1, R0, R0	R1 = 0	32 0 0 1	4	R0 0
	DADDI R4, R0, #4	R4 = 4	8 0 4 4		R1 4?
	DADDI R2, R0, #96	R2 = 96	8 0 2 96		R2 352
	DADDI R3, R0, #64	R3 = 64	8 0 3 64		R3 0
ET1	DADDI R5, R0, #2	R5 = 2	8 0 5 2		R4 4
	LW R6, 0(R2)	R6 = MR2 = 0,1,2,3	35 2 6 0		R5 0
	LW R7, 4(R2)	R7 = MR2+4 = 0,1,2,3	35 2 7 4		R6 0, 1, 2 6 3
	LW R8, 8(R2)	R8 = MR2+8 = 0,1,2,3	35 2 8 8		R7 0, 1, 2 6 3
	LW R9, 12(R2)	R9 = MR2+12 = 0,1,2,3	35 2 9 12		R8 0, 1, 2 6 3
	DSUB R3, R3, R4	R3 ← 4	34 3 4 3		R9 0, 1, 2 6 3
	DADDI R2, R2, #16	R2 ← 16	8 2 2 16		R11 0 0 99
	DADD R1, R1, R6	R1 ← R6	32 1 6 1		R12 0 0 88
	DADD R1, R1, R7	R1 ← R7	32 1 7 1		R13 0 0 55
	DADD R1, R1, R8	R1 ← R8	32 1 8 1		R14 0 0 44
	DADD R1, R1, R9	R1 ← R9	32 1 9 1		R31 33
ET2	DADDI R5, R5, #-1	R5 ← 1	8 5 5 -1		
	BNEZ R5, ET2	Ejecuta el salto 2 veces	5 5 0 -2		
	BNEZ R3, ET1	Ejecuta el salto 15 veces (16 en total)	5 3 0 -14		
	SW R1, 380(R0)	M[380] = R1	43 0 1 380		
	DADDI R31, R0, # 33	R31 = 33	8 0 31 33		
	SW R31, 364 (R0)	M[364] = 33	43 0 31 364		
	LW R11, 368 (R0)	R11 = M[368] = 0 0 99	35 0 11 368		
	LW R12, 0 (R0)	R12 = M[0] = 0 0 88	35 0 12 0		
	LW R13, 92(R0)	R13 = M[92] = 0 0 55	35 0 13 92		
	LW R14, 28(R0)	R14 = M[28] = 0 0 44	35 0 14 28		
	FIN	FINALIZA	63 0 0 0		