

Instruccion	Hex	Decoded	Decoded try 2
11100010000000010000000000000000 0	e2010000 e3801022	and r0, r1, #0 orr r1, r0, #34	and r0, r1, #0 orr r1, r0, #34
1110001110000000000100000010001 0	e38040b8 e1a0a004	orr r4, r0, #184 mov sl, r4	orr r4, r0, #184 mov sl, r4
1110001110000000010000001011100 0	e59a3000 e28aa004	ldr r3, [sl] add sl, sl, #4	ldr r3, [sl] add sl, sl, #4
1110000110100000101000000000010 0	e0812003 e1a05002	add r2, r1, r3 mov r5, r2	add r2, r1, r3 mov r5, r2
11100101100110100011000000000000 0	e58a5000 e28aa004	str r5, [sl] add sl, sl, #4	str r5, [sl] add sl, sl, #4
1110001010001010101000000000010 0	e0415002 e58a5000	sub r5, r1, r2 str r5, [sl]	sub r5, r1, r2 str r5, [sl]
11100000100000010010000000000001 1	e28aa004 e0615002	add sl, sl, #4 rsb r5, r1, r2	add sl, sl, #4 rsb r5, r1, r2
11100001101000000101000000000001 0	e58a5000 e28aa004	str r5, [sl] add sl, sl, #4	str r5, [sl] add sl, sl, #4
11100101100010100101000000000000 0	e08051c3 e58a5000	add r5, r0, r3, asr #3 str r5, [sl]	add r5, r0, r3, asr #3 str r5, [sl]
1110001010001010101000000000010 0	e28aa004 e0805183	add sl, sl, #4 add r5, r0, r3, lsl #3	add sl, sl, #4 add r5, r0, r3, lsl #3
11100000010000010101000000000001 0	e58a5000 e28aa004	str r5, [sl] add sl, sl, #4	str r5, [sl] add sl, sl, #4
11100101100010100101000000000000 0	e0805563 e58a5000	add r5, r0, r3, ror #10 str r5, [sl]	add r5, r0, r3, ror #10 str r5, [sl]
1110001010001010101000000000010 0	e28aa004 e1520001	add sl, sl, #4 cmp r2, r1	add sl, sl, #4 cmp r2, r1
11100000011000010101000000000001 0	db000001 e201e000	blle #116 and lr, r1, #0	blle #116 and lr, r1, #0
11100101100010100101000000000000 0	e58ae000 e28aa004	str lr, [sl] add sl, sl, #4	str lr, [sl] add sl, sl, #4
1110001010001010101000000000010 0	e2444004 e594c000	sub r4, r4, #4 ldr ip, [r4]	sub r4, r4, #4 ldr ip, [r4]
1110000010000000010100011100001 1	e2444004 e594b000	sub r4, r4, #4 ldr fp, [r4]	sub r4, r4, #4 ldr fp, [r4]
11100101100010100101000000000000 0	e17c000b 6a000001	cmn ip, fp bvs #152	cmn ip, fp bvs #152
1110001010001010101000000000010 0	e2015000 e58a5000	and r5, r1, #0 str r5, [sl]	and r5, r1, #0 str r5, [sl]
1110000010000000010100011000001 1	e28aa004 e081500b	add sl, sl, #4 add r5, r1, fp	add sl, sl, #4 add r5, r1, fp
11100101100010100101000000000000 0	6a000001 e2015000	bvs #172 and r5, r1, #0	bvs #172 and r5, r1, #0
1110001010001010101000000000010 0	e58a5000 eaffffff	str r5, [sl] b #176	str r5, [sl] b #176
1110000010000000010101010110001 1	a0000000 c0000000	andge r0, r0, r0 andgt r0, r0, r0	andge r0, r0, r0 andgt r0, r0, r0
11100101100010100101000000000000 0	ffffff5	.BYTE 0xff, 0xff, 0xff,0xf5	
1110001010001010101000000000010 0			
11100001010100100000000000000000 1			
11011011000000000000000000000000 1			
11100010000000011110000000000000 0			
11100101100010101110000000000000 0			
1110001010001010101000000000010 0			
1110001001000100010000000000010 0			
11100101100101001100000000000000 0			
1110001001000100010000000000010 0			
11100101100101001011000000000000 0			
11100001011111000000000000000101 1			
01101010000000000000000000000000 1			
11100010000000010101000000000000 0			
11100101100010100101000000000000 0			
1110001010001010101000000000010 0			
11100000100000010101000000000101 1			
01101010000000000000000000000000 0			

1 11100010000000001010100000000000 0 11100101100010100101000000000000 0 11101010111111111111111111111111 1 10100000000000000000000000000000 0 11000000000000000000000000000000 0 11111111111111111111111111111010 1			
11100010000000001000000000000000 0 111000111000000001010000000100110 0 111000111000000000010000000010100 0 111000111000000000101000000010001 0 111000000100100100101000000000010 1 00010010010001010101000000000101 0 11100101100010100101000000000000 0 11100010100010101010000000000010 0 00011011000000000000000000000011 0 11100101100010100010000000000000 0 11100010100010101010000000000010 0 11100010100000000000000000000010 0 11101000101110100000000000010010 0 11100101100010100000000000000000 0 11101010111111111111111111111111 1 11100010010000100010000000000100 0 11100001101000001111000000000111 0 11100010010000100010000000000000 1 11100010000000000000000000000000 0	e2010000 e380a04c e3802028 e3805022 e0925005 1245500a e58a5000 e28aa004 1b000006 e58a2000 e28aa004 e2800004 e8ba0024 e58a0000 eaffffff e2422008 e1a0f00e e2422001 e2000000	and r0, r1, #0 orr sl, r0, #76 orr r2, r0, #40 orr r5, r0, #34 adds r5, r2, r5 subne r5, r5, #10 str r5, [sl] add sl, sl, #4 blne #0x40 str r2, [sl] add sl, sl, #4 add r0, r0, #4 ldm sl!, {r2, r5} str r0, [sl] b #60 sub r2, r2, #8 mov pc, lr sub r2, r2, #1 and r0, r0, #0	and r0, r1, #0 orr sl, r0, #76 orr r2, r0, #40 orr r5, r0, #34 adds r5, r2, r5 subne r5, r5, #10 str r5, [sl] add sl, sl, #4 blne #0x40 str r2, [sl] add sl, sl, #4 add r0, r0, #4 ldm sl!, {r2, r5} str r0, [sl] b #60 sub r2, r2, #8 mov pc, lr sub r2, r2, #1 and r0, r0, #0

Manually decodification

0.	1110 001 0000 0 0001 0000 0000 00000000	AND R0 R1 #0
4.	1110 001 1100 0 0000 0001 0000 00100010	ORR R1 R0 #0d34
8.	1110 001 1100 0 0000 0100 0000 10111000	ORR R4 R0 #0d184
12.	1110 000 1101 0 0000 1010 00000 00 0 0100	MOV R10 R0 R4
16.	1110 010 11001 1010 0011 000000000000	LDR R3, R10, #0d0
20.	1110 001 0100 0 1010 1010 0000 00000100	ADD R10 R10 R0 #0d0
24.	1110 000 0100 0 0001 0010 00000 00 0 0011	ADD R2 R1, R3
32.	1110 000 1101 0 0000 0101 00000 00 0 0010	MOV R5, R0, R2
36.	1110 010 11000 1010 0101 000000000000	STR R5, R10, #0d0
40.	1110 001 0100 0 1010 1010 0000 00000100	ADD R10 R10 #0d4
44.	1110 000 0010 0 0001 0101 00000 00 0 0010	SUB R5 R1 R2
48.	1110 010 11000 1010 0101 000000000000	STR R5, R10, #0d0
52.	1110 001 0100 0 1010 1010 0000 00000100	ADD R10 R10 #4
56.	1110 000 0011 0 0001 0101 0000 00000010	RSB R5 R1, R2
60.	1110 010 11000 1010 0101 000000000000	STR R5 R10 #0d0
64.	1110 001 0100 0 1010 1010 0000 00000100	ADD R10, R10, #4
68.	1110 000 0100 0 0000 0101 0001 11000011	ADD R5, R0, R3, ASR, #0d3
72.	1110 010 11000 1010 0101 000000000000	STR r5, R10 #0d0
76.	1110 001 010001010 10100000 00000100	ADD R10 R10 #0d4
80.	1110 000 010000000 01010001 10000011	ADD R5, R0, R3, LSL, #0d3
84.	1110 010 110001010 01010000 00000000	STR R5 R10 #0d0
88.	1110 001 010001010 10100000 00000100	ADD R10 R10 #4
92.	1110 000 010000000 01010101 01100011	ADD R5, R0, R3, ROR, #0d3

96.	1110 010 110001010 01010000 00000000	STR R5 R10 #0d0
100.	1110 001 010001010 10100000 00000100	ADD R10 R10 #4
104.	1110 000 101010010 00000000 00000001	CMP R2 R1 (S)
108.	1101 101 1 00000000 00000000 00000001	BL 1
112.	1110 001 0000 0 0001 1110 0000 00000000	AND r14 r1 #0d0
116.	1110 010 1100 0 1010 1110 0000 00000000	ORR r14 r10 #0d0
120.	1110 001 0100 0 1010 1010 0000 00000100	ADD r10 r10 #0d4
124.	1110 001 0010 0 0100 0100 0000 00000100	SUB r4 r4 #0d4
128.	1110 010 1100 1 0100 1100 0000 00000000	ORR r12 r4 #0d0
132.	1110 001 0010 0 0100 0100 0000 00000100	SUB r4 r4 #0d4
136.	1110 010 1100 1 0100 1011 0000 00000000	ORR r11 r4 #0d0
140.	1110 000 1011 1 1100 0000 0000 00001011	CMN r0 r12 r11
144.	0110 101 0 000 0 0000 00000000 00000001	B 1
148.	1110 001 0000 0 0001 0101 0000 00000000	AND r5 r1 #0d0
152.	1110 010 1100 0 1010 0101 0000 00000000	ORR r5 r10 #0d0
156.	1110 001 0100 0 1010 1010 0000 00000100	ADD r10 r10 #0d4
160.	1110 000 0100 0 0001 0101 0000 00001011	ADD r5 r1 #0d11
164.	0110 101 0 000 0 0000 00000000 00000001	B 1
168.	1110 001 0000 0 0001 0101 0000 00000000	AND r5 r1 #0d0
172.	1110 010 1100 0 1010 0101 0000 00000000	ORR r5 r10 #0d0
176.	1110 101 0 111 1 1111 11111111 11111111	B -1
180.	1010 000 0000 0 0000 0000 0000 00000000	AND r0 r0 +r0
184.	1100 000 0000 0 0000 0000 0000 00000000	AND r0 r0 +r0
188.	11101010 11111111 11111111 11111111	INVALID