

main:

addi \$t1, \$zero, 99

hex

8	9	0	0000
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63 hex = 1100011

00100000 | 00000000 | 0000000000 | 100011

addi \$s0, \$zero, 15765

hex

8	16	0	3D95
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0010000 | 10000 | 00000 | 0011110 | 10010101

more:

lw \$s1, 8(\$s0)

hex

23	16	17	8
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010111 | 10000 | 10001 | 0000000000001000

lw \$s2, 4(\$s0)

hex

23	16	18	4
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010111 | 10000 | 10010 | 0000000000000100

add \$s3, \$s1, \$s2

hex

0	19	17	18	0	20
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000000 | 10011 | 10001 | 10010 | 000000 | 10100

addi \$s3, \$s1, -1000

hex

8	19	17	-1000
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001000 | 10011 | 10001 | 11111100 | 00010000

sw \$s3, 12(\$s0)

28	16	19	12
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101011 | 10000 | 10011 | 0000000000001000

addi \$t1, \$t1, -1

8	9	9	-1
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001000 | 10001 | 01001 | 11111111 | 11111110