1. 00000100000000010000001111101000 ADDI R0 R1 03E8 🡪 R1 = 03E8

2. 00000100000000100000010010110000 ADDI R0 R2 04B0 🡪 R2 = 04B0

3. 00000000000000000011100000000000 ADD R0 R0 R7 🡪 R7 = 04B0

4. 00000000000000000100000000000000 ADD R0 R0 R8 🡪 R8 = 04B0

5. 00000000000000000100100000000000 ADD R0 R0 R9 🡪 R9 = 04B0

6. 00000000000000000101000000000000 ADD R0 R0 R10 🡪 R10 = 04B0

7. 00000100000010110000000000110010 ADDI R0 R11 4000 🡪 R11 = 4000

8. 00000100000011000000000000100000 ADDI R0 R12 0020 🡪 R12 = 0020

9. 00111101010010110000000000001101 BEQ R10 R11 000D 🡪

10. 00110000001000110000000000000000 LDW R1 R3 0000 🡪 R3 = 03E8

11. 00110000010001000000000000000000 LDW R2 R4 0000 🡪 R4 = 0348

12. 00001000011001000010100000000000 SUB R3 R4 R5 🡪 R5 = 0

13. 00100100101001100000000000000001 ADDI R5 R6 0001 🡪 R6 = 1

14. 00111000110000000000000000000010 BZ R6 2

15. 00000100111001110000000000000001 ADDI R7 R7 0001 🡪 R7 = 04B1

16. 00000001000000110100000000000000 ADD R8 R3 R8 🡪 R8 = 0898

17. 00000001001001000100100000000000 ADD R9 R4 R9 🡪 R9 = 07F8

18. 00000100001000010000000000000100 ADDI R1 R1 4 🡪 R1 = 03EC

19. 00000100010000100000000000000100 ADDI R2 R2 4 🡪 R2 = 04B4

20. 00000101010010100000000000000001 ADDI R10 R10 0001 🡪 R10 = 04B1

21. 01000001100000000000000000000000 JR R12 00000 🡪 PC = 0

22. 00110100000001110000010101111000 STW R0 R7 0578 🡪 Store 0 into address = 0A29

23. 00110100000010000000010101111100 STW R0 R8 057C 🡪 Store 0 into address = 0E14

24. 00110100000010010000010110000000 STW R0 R9 0580 🡪 Store 0 into address = 0D68

25. 01000100000000000000000000000000 HALT

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000000

00000000000000000000000000000010

00000000000000000000000000000100

00000000000000000000000000000110

00000000000000000000000000001000

00000000000000000000000000001010

00000000000000000000000000001100

00000000000000000000000000001110

00000000000000000000000000010000

00000000000000000000000000010010

00000000000000000000000000010100

00000000000000000000000000010110

00000000000000000000000000011000

00000000000000000000000000011010

00000000000000000000000000011100

00000000000000000000000000011110

00000000000000000000000000100000

00000000000000000000000000100010

00000000000000000000000000100100

00000000000000000000000000100110

00000000000000000000000000101000

00000000000000000000000000101010

00000000000000000000000000101100

00000000000000000000000000101110

00000000000000000000000000110000

00000000000000000000000000110010

00000000000000000000000000110100

00000000000000000000000000110110

00000000000000000000000000111000

00000000000000000000000000111010

00000000000000000000000000111100

00000000000000000000000000111110

00000000000000000000000001000000

00000000000000000000000001000010

00000000000000000000000001000100

00000000000000000000000001000110

00000000000000000000000001001000

00000000000000000000000001001010

00000000000000000000000001001100

00000000000000000000000001001110

00000000000000000000000001010000

00000000000000000000000001010010

00000000000000000000000001010100

00000000000000000000000001010110

00000000000000000000000001011000

00000000000000000000000001011010

00000000000000000000000001011100

00000000000000000000000001011110

00000000000000000000000001100000

00000000000000000000000001100010

00000000000000000000000001100100

00000000000000000000000000000001

00000000000000000000000000000010

00000000000000000000000000000011

00000000000000000000000000000100

00000000000000000000000000000101

00000000000000000000000000000110

00000000000000000000000000000111

00000000000000000000000000001000

00000000000000000000000000001001

00000000000000000000000000001010

00000000000000000000000000001011

00000000000000000000000000001100

00000000000000000000000000001101

00000000000000000000000000001110

00000000000000000000000000001111

00000000000000000000000000010000

00000000000000000000000000010001

00000000000000000000000000010010

00000000000000000000000000010011

00000000000000000000000000010100

00000000000000000000000000010101

00000000000000000000000000010110

00000000000000000000000000010111

00000000000000000000000000011000

00000000000000000000000000011001

00000000000000000000000000011010

00000000000000000000000000011011

00000000000000000000000000011100

00000000000000000000000000011101

00000000000000000000000000011110

00000000000000000000000000011111

00000000000000000000000000100000

00000000000000000000000000100001

00000000000000000000000000100010

00000000000000000000000000100011

00000000000000000000000000100100

00000000000000000000000000100101

00000000000000000000000000100110

00000000000000000000000000100111

00000000000000000000000000101000

00000000000000000000000000101001

00000000000000000000000000101010

00000000000000000000000000101011

00000000000000000000000000101100

00000000000000000000000000101101

00000000000000000000000000101110

00000000000000000000000000101111

00000000000000000000000000110000

00000000000000000000000000110001

00000000000000000000000000110010