|  |  |  |  |
| --- | --- | --- | --- |
| 0 | ADDI X10,XZR,#2048 | POT | 10010001001000000000001111101010 |
| 4 | LSL X10,X10,#6 |  | 11010011011000000001100101001010 |
| 8 | LDUR X11,[X10,#0] |  | 11111000010000000000000101001011 |
| 12 | LSR X19,X11,#4 |  | 11010011010000000001000101110011 |
| 16 | ADDI X12,XZR,#15 |  | 10010001000000000011111111101100 |
| 20 | AND X20,X11,X12 |  | 10001010000011000000000101110100 |
| 24 | ADDI X21,X31,#1 |  | 10010001000000000000011111110101 |
| 28 | ADDI X22,X31,#0 |  | 10010001000000000000001111110110 |
| 32 | SUBS X31,X22,X20 | FOR0 | 11101011000101000000001011011111 |
| 36 | B.GE ENDFOR0 |  | 01010100000000000000000011101010 |
| 40 | ADDI X0,X21,#0 |  | 10010001000000000000001010100000 |
| 44 | ADDI X1,X19,#0 |  | 10010001000000000000001001100001 |
| 48 | BL MUL |  | 10010100000000000000000000000101 |
| 52 | ADDI X21,X0,#0 |  | 10010001000000000000000000010101 |
| 56 | ADDI X22,X22,#1 |  | 10010001000000000000011011010110 |
| 60 | B FOR0 |  | 00010111111111111111111111111001 |
| 64 | LSR X10,X10,#1 | ENDFOR0 | 11010011010000000000010101001010 |
| 68 | STUR X21,[X10,#0] |  | 11111000000000000000000101010101 |
| 76 | SUBBI X28,X28,#32 | MUL | 11010001000000001000001110011100 |
| 80 | STUR X22,[X28,#24] |  | 11111000000000011000001110010110 |
| 84 | STUR X21,[X28,#16] |  | 11111000000000010000001110010101 |
| 88 | STUR X20,[X28,#8] |  | 11111000000000001000001110010100 |
| 92 | STUR X19,[X28,#0] |  | 11111000000000000000001110010011 |
| 96 | ADDI X19,X0,#0 |  | 10010001000000000000000000010011 |
| 100 | ADDI X20,X1,#0 |  | 10010001000000000000000000110100 |
| 104 | ADDI X21,X31,#0 |  | 10010001000000000000001111110101 |
| 108 | ADDI X22,X31,#0 |  | 10010001000000000000001111110110 |
| 112 | SUBS XZR,X22,X20 | FOR0 | 11101011000101000000001011011111 |
| 116 | B.GE ENDFOR0 |  | 01010100000000000000000010001010 |
| 120 | ADD X21,X21,X19 |  | 10001011000100110000001010110101 |
| 124 | ADDI X22,X22,#1 |  | 10010001000000000000011011010110 |
| 128 | B FOR0 |  | 00010111111111111111111111111100 |
| 132 | ADDI X0,X21,#0 | ENDFOR0 | 10010001000000000000001010100000 |
| 136 | LDUR X19,X28,#0 |  | 11111000010000000000001110010011 |
| 140 | LDUR X20,X28,#8 |  | 11111000010000001000001110010100 |
| 144 | LDUR X21,X28,#16 |  | 11111000010000010000001110010101 |
| 148 | LDUR X22,X28,#24 |  | 11111000010000011000001110010110 |
| 152 | ADDI X28,X28,#32 |  | 10010001000000001000001110011100 |
| 156 | BR LR |  | 11010110000000000000000000011110 |