Problem 6.1:

1. ```
   1       10001100000000010001000000000000 \# lw r1, 0x1000 (r0) \\
   2       00000000000000010001000000100000 \# add r2, r0, r1 \\
   3 loop: 00100000011000110000000000000001 \# addi r3, r3, 1 \\
   4       00010000010000000000000000001100 \# beqz r2, end \\
   5       00000000010000110001100000011001 \# multu r2, r1, r3 \\
   6       00101000010000100000000000000001 \# subi r2, r2, 1 \\
   7       00001011111111111111111111110000 \# j loop \\
   8 end:  10101100000000110001000000000100 \# sw r3, 0x1004 (r0) \\\\\\
   ```

   Funktion:

Problem 6.2:

1. ```
   1 lw r1 , 0 x1000 (r0)     \# 10001100000000010001000000000000 ; 0x8c011000 \\
   2 lw r2 , 0 x1004 (r0)     \# 10001100000000010000100000000100 ; 0x8c021004 \\
   3 loop : beqz r1 , end     \# 00010000001000000000000000010010 ; 0x10200012 \\
   4 slt r3, r1, r2           \# 00000000001000100001100000101010 ; 0x0022182a \\
   5 bnez r3 , branch         \# 00010000011000000000000000001110 ; 0x1060000d \\
   6 sub r3 , r1 , r2         \# 00000000001000100001100000100010 ; 0x00221822 \\
   7 add r1 , r2 , r0         \# 00000000010000000000100000100000 ; 0x00400820 \\
   8 add r2 , r3 , r0         \# 00000000011000000001000000100000 ; 0x00601020 \\
   9 j loop                   \# 00001011111111111111111111110000 ; 0x0bfffff0 \\
   10 branch: sub r3, r2, r1 \# 00000000010000010001100000100010 ; 0x00411802 \\
   11 add r2, r1, r0          \# 00000000001000000001000000100000 ; 0x00201020 \\
   12 add r1, r3, r0          \# 00000000011000000000100000100000 ; 0x00600820 \\
   13 j loop                  \# 00001011111111111111111111110000 ; 0x0bfffff0 \\
   14 end: sw 0x1008 (r0), r2\# 10101100000000100001000000001000 ; 0xac021008 \\
   ```