Convert following functions from C to RISC-V assembly language

# 1)

#include <string.h>

void to\_upper\_c(char \* str) {

for (unsigned int i = 0; i < strlen(str); i++) { if (str[i] >= 'a' && str[i] <= 'z') { str[i] -= 'a' - 'A';

}

}

}

# 2)

int find\_max\_index\_c(int \*arr, int len);

int sort\_c(int \*arr, int len) { for (int i = 0; i < len; i++) {

int idx = find\_max\_index\_c(&arr[i], len - i) + i; if (arr[idx] > arr[i]) { int tmp = arr[i]; arr[i] = arr[idx]; arr[idx] = tmp;

}

}

}

# 3)

int max3\_c(int a, int b, int c) { int first\_two = max2\_c(a, b); int retval = max2\_c(first\_two, c); return retval;

}

# 4)

int find\_max\_index\_c(int \* arr, int len) { int idx = 0;

for (int i = 0; i < len; i++) { if (arr[i] > arr[idx]) { idx = i;

} } return idx;

}