```c
#include <stdio.h>
#include <stdlib.h>
#include <stdarg.h>

//metaprograming
#define SWAP(A, B) { typeof(A) C; C = A; A = B; B = C; }

//function with flexible number of input arguments
void wyswietl(int args, ...) {
    //list to store additional function arguments
    va_list list;
                    //last named argument of the function
    va_start(list, args); //initialize list with all additional function arguments

    va_list list2;
    va_copy(list2, list);

    for(int i = 0; i < args; i++) {                //retrieve element from the list
    which is int type in this example
        printf("argument: %i ma wartosc %i, ", i, va_arg(list, int));
    }
    printf("\n");


    for(int i = 0; i < args; i++) {
        printf("jeszcze raz - argument: %i ma wartosc %i, ", i, va_arg(list2, int));
    }
    printf("\n");

    va_end(list);//cleanup for va_start
    va_end(list2);//cleanup for va_start
}

int main(int argc, char * const argv[]) {

    wyswietl(3, 4, 5, 6);

    int a = 1, b = 2;
    printf("a: %i, b: %i\n", a, b);
    SWAP(a, b);
    printf("a: %i, b: %i\n", a, b);

    float c = 3.14, d = 6.28;
    printf("c: %.2f, d: %.2f\n", c, d);
    SWAP(c, d);
    printf("c: %.2f, d: %.2f\n", c, d);

    return 0;
}
```