

```

.code
initds                ; call that macro

mov dx, count         ; copy count to dx
dec dx               ; n-1 iterations

outerloop:            ; i loop

    mov cx, dx        ; temporary copy to cx
    lea si, array     ; first element's index to SI

    innerloop:        ; j loop

        mov ax, [si]   ; first element to ax
        cmp ax, [si+2] ; compare 1st and 2nd element
        jnl noswap     ; if(1st < 2nd) then don't swap

        xchg [si+2], ax } ; else swapping is required
        mov [si], ax

    noswap:

        add si, 02     ; point to next element
        loop innerloop ; finish innerloop first (j)
        dec dx         ; dec i
        jnz outerloop  ; go and finish i loop

int 3                ; halt or breakpoint
align 16             ; properly align
end

```