

PROJECT1:

During the first project in our course, we learned about the workspace (IAR) and the language of the microprocessor. we used the microprocessor's book to understand the address methods and all the commands. Important tools of the microprocessor are the registers. Furthermore, is the ability to use registers to transfer information and data for our purpose.

The task was to take 2 arrays that contain the couple's id and perform "XOR" between correlated digits and do a summary of the command in register number 4.

$$R4 = \sum_{i=0}^7 (ID1[i] \text{ *xor* } ID2[i])$$

The task is documented in the attached file.