Ejercicios AE

1. Considering the next locations of the Main Memory (with RAMs) written down in Assembly Language, answer the following questions:



You have to detail the way you got the answers.

1. How many bits are used to write down the memory addresses? \_\_\_\_\_\_\_\_\_
2. In how many bits are expressed the contents of the memory locations? \_\_\_\_\_\_\_\_\_
3. The values inside the memory locations are signed ones. Are all these values right ones? \_\_\_\_
4. The hexadecimal-address of **var1** is 00500020. The decimal-address of the next variable after var1, **var2** is 5242988. How many bytes are in the yellow part of the Main Memory, starting in **var1** and ending one location before **var2**? \_\_\_\_\_\_\_\_\_\_