* @ph = (@se << 4 ) + offset .

|  |  |  |
| --- | --- | --- |
| Donne de programme | @ logique | @physic |
| T1 | 0700H :0000H | 07000h |
| T2 | 0700H :0005H | 07005h |
| En | 0700H :000FH | 0700Fh |
| SomT | 0700H :0010h | 07010h |

DS = 0700h

|  |  |  |  |
| --- | --- | --- | --- |
| instruction | @logique | @physic | Code machine |
| Xor bx,bx | 0712H:0005H | 07125H | 33 DB |
| Lea bx, t1 | 0712H:0007H | 07127H | BB 00 00 |
| Xor ax,ax | 0712h:000Ah | 0712AH | 33 c0 |

|  |  |  |  |
| --- | --- | --- | --- |
| mov al,[bx] | 0712H:000CH | 0712CH | 8A 07 |
| mul prod | 0712H:000EH | 0712EH | 76 26 16 00 |

|  |  |  |  |
| --- | --- | --- | --- |
| Add somt,ax | 0712H:0012H | 07132h | 01 06 10 00 |
| mov t2[bx+bx],ax | 0712H:0016H | 07136 | 89 47 15 |
| Inc bx | 0712H:0019H | 07139H | 43 |
| cmp bl,en | 0712H:001AH | 0713AH | 3A 1E 0F |

Rapport :

* **t1** is an array of bytes with values 16, 32, 64, 128, 255.
* **t2** is an array of words with the same values as **t1**.
* **en** is a byte initialized with the value 5.
* **somt** is a word initialized to 0.
* **result** is a double word (32 bits) initialized to 0.
* **prod** is a byte initialized with the value 4.
* **spcp** is a word initialized to 0.
* **buffer** is a word initialized to 0.
* Explanation of the code is in the comments of the code to be more clear.