|  |  |  |  |
| --- | --- | --- | --- |
| Program with C | Program with instructions | Contents of Memory (RAM) in HEX | |
| Address | Contents |
| result=A; | LOAD A0 | 00 | 02A0 |
| STORE A3 | 01 | 01A3 |
| result=result\*B; | LOAD A1 | 02 | 02A1 |
| ADD A3 | 03 | 03A3 |
| STORE A3 | 04 | 01A3 |
| show the result; | LOAD A3 | 05 | 02A3 |
| end | HALT | 06 | 0700 |
|  |  | ….. | ….. |
|  |  | A0 | FFFB |
|  |  | A1 | 0006 |
|  |  | A2 |  |
|  |  | A3 |  |
|  |  | …. | ….. |