**HOMEWORK 9**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X3FFB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X3FFC |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X3FFD |  |  |  |  |  |  | 205 | 205 | 205 | 205 | 2 | 2 | 2 | 2 | 2 |
| X3FFE |  |  | 49 | -49 | -49 | 172 | 172 | 377 | 377 | 17 | 17 | 34 | -34 | -34 | -34 |
| X3FFF |  | 51 | 51 | 51 | 2 | 2 | 2 | 2 | 754 | 754 | 754 | 754 | 754 | 720 | 720 |
| SP | X4000 | X3FFF | X3FFE | X3FFE | X3FFF | X3FFE | X3FFD | X3FFE | X3FFF | X3FFE | X3FFD | X3FFE | X3FFE | X3FFF | X4000 |
| Instr. | / | 51 | 49 | - | + | 172 | 205 | + | \* | 17 | 2 | \* | - | + | D |

The answer to Q1 is as above.

Q2:

1. Address of A[2,4,3,5]: x4914
2. Calculation procedure: full like A[3,5,7,9]

A[2,4,3,5]=x4000+2\*(5\*7\*9)+4\*(7\*9)+3\*9+5=x4914