Alumno: Samuel Sánchez Álvarez Profesor: Juan Luis Aragón Alcaraz

DNI 48696694J Grupo: 2

Loop: ADD R4,R2,R3

SUB R1,R2,R1

SUBI R2,R2,#4

SW 0(R1),R1

SUB R4,R3,R2

BNEZ R4,Loop

Apartado a)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| ADD R4,R2,R3 | IF | ID | X | MEM | WB |  |  |  |  |  |  |  |  |  |
| SUB R1,R2,R1 |  | IF | ID | X | MEM | WB |  |  |  |  |  |  |  |  |
| SUBI R2,R2,#4 |  |  | IF | ID | X | MEM | WB |  |  |  |  |  |  |  |
| SW 0(R1),R1 |  |  |  | IF | ID | ID | X | MEM | WB |  |  |  |  |  |
| SUB R4,R3,R2 |  |  |  |  | IF | IF | ID | X | MEM | WB |  |  |  |  |
| BNEZ R4,Loop |  |  |  |  |  |  | IF | ID | ID | ID | X | MEM | WB |  |
| ADD R4,R2,R3 |  |  |  |  |  |  |  |  |  |  |  |  | IF |  |

196/4= 49 49X13=637

Apartado b)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| ADD R4,R2,R3 | IF | ID | X | MEM | WB |  |  |  |  |  |  |  |  |  |
| SUB R1,R2,R1 |  | IF | ID | X | MEM | WB |  |  |  |  |  |  |  |  |
| SUBI R2,R2,#4 |  |  | IF | ID | X | MEM | WB |  |  |  |  |  |  |  |
| SW 0(R1),R1 |  |  |  | IF | ID | X | MEM | WB |  |  |  |  |  |  |
| SUB R4,R3,R2 |  |  |  |  | IF | ID | X | MEM | WB |  |  |  |  |  |
| BNEZ R4,Loop |  |  |  |  |  | IF | ID | X | MEM | WB |  |  |  |  |
| ADD R4,R2,R3 |  |  |  |  |  |  |  | IF |  |  |  |  |  |  |

48X8+10=394