# Exercise 1

1.

Table, calendar

Description automatically generated

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Instr | Components/Hardware element used by the instruction | | | | | | | | |
| R-type | Read PC | Add (PC) | Mux (PC, RegDst, RegWrite, ALUOp1) | Write PC |  |  |  |  |  |
| Instruction memory | Read register | ALU Control | ALU |  |  |  |  |  |
|  | Control |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |

# Exercise 2