|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cod\_In** | **I** | **T1** | **T2** | **T3** |
| I (0000) | **mv** | RYout, Rxin, Done |  |  |
| I (0001) | **mvi** | Stall | DINout, Rxin, Done |  |
| I (0011) | **mvnz** | RYout, Rxin, Done |  |  |
| I (0100) | **load** | RYout, ADDRin | Stall | RXin, MEMout, Done |
| I (0101) | **store** | RXout, DOUTin | RYout, ADDRin, Win, Done | RXin, Gout, Done |
| I (0110) | **add** | RXout, Ain | RYout, Gin, Alu (0000) | RXin, Gout, Done |
| I (0111) | **sub** | RXout, Ain | RYout, Gin, Alu (0001) | RXin, Gout, Done |
| I (1000) | **or** | RXout, Ain | RYout, Gin, Alu (0010) | RXin, Gout, Done |
| I (1001) | **slt** | RXout, Ain | RYout, Gin, Alu (0011) | RXin, Gout, Done |
| I (1010) | **sll** | RXout, Ain | RYout, Gin, Alu (0100) | RXin, Gout, Done |
| I (1011) | **srl** | RXout, Ain | RYout, Gin, Alu (0101) | RXin, Gout, Done |