Control

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Load | 00 | lw | xxxxxx | add | 100000 |
| Store | 00 | sw | xxxxxx | add | 100000 |
| Branch | 01 | beq, bneq, bgtz | xxxxxx | sub | 100010 |
| R-type | 10 | add | 100000 | Add, addu | 100000 |
| R-type | 10 | sub | 100010 | Sub, subu | 100010 |
| R-type | 10 | and | 100100 | And | 100100 |
| R-type | 10 | or | 100101 | Or | 100101 |
| R-type | 10 | slt | 101010 | Slt, sltu | 101010 |
| R-type | 10 | sll | 000000 | sll | 000000 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 0-bit | 1-bit | 2-bit | 3-bit | 4-bit | 5-bit |
| Or | branch | and | slt |  | Load |
|  | sub | or |  |  | store |
|  | slt |  |  |  | branch |
|  |  |  |  |  | add |
|  |  |  |  |  | sub |
|  |  |  |  |  | and |
|  |  |  |  |  | or |
|  |  |  |  |  | slt |