|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **31:25** | **24:20** | **19:15** | **14:12** | **11:07** | **06:00** | **Mnemonic** |
| **funct7** | **rs2** | **rs1** | **funct3** | **rd** | **opcode** |  |
| **0000000** | **╳** | **src** | **sc** | **╳** | **custom-0** | settg rs1 |
| **0000001** | **╳** | **src** | **sc** | **╳** | **custom-0** | setti rs1 |
| **0000010** | **╳** | **╳** | **sc** | **dest** | **custom-0** | getti rd |
| **0000011** | **╳** | **╳** | **sc** | **dest** | **custom-0** | getts rd |
| **0000000** | **base** | **time** | **to** | **dest** | **custom-0** | ttiat rd, (rs2), rs1 |
| **0000010** | **╳** | **time** | **to** | **╳** | **custom-0** | delay rs1 |
| **0000000** | **╳** | **╳** | **cmt** | **╳** | **custom-0** | tkend |
| **0000001** | **htid** | **time** | **cmt** | **╳** | **custom-0** | addtk rs1, rs2 |
| **funct7** | **rs2** | **rs1** | **funct3** | **rs3** | **opcode** |  |
| **0000001** | **base** | **time** | **to** | **src** | **custom-0** | ttoat rs3, (rs2), rs1 |

ps:

* custom-0: 0b0001011
  + sc (standard clock): 0b000
  + to (timed operation): 0b001
  + cmt: 0b010