**Таблица 9.11.** Состояние модели в режиме моделирования на уровне микрокоманд

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Адрес  (РС) | Мнекомокод | Микрокоманда | ОЗУ | | CR | | | АУ | | Ячейка | |
| MAR | MDR | COP | TA | ADR | Асс | DR | 020 | 030 |
| 000 | RD #20 | MAR := PC | 000 | 000000 | 00 | 0 | 000 | 000000 | 000000 | 000000 | 000000 |
|  |  | MRd | 000 |  |  |  |  |  |  |  |  |
|  |  | CR := MDR |  | 211020 |  |  |  |  |  |  |  |
|  |  | PC := PC + 1 |  |  | 21 | 1 | 020 |  |  |  |  |
| 001 |  | Асс := 000.ADR |  |  |  |  |  |  |  |  |  |
|  | WR 30 | MAR := PC |  |  |  |  |  | 000020 |  |  |  |
|  |  | MRd | 001 |  |  |  |  |  |  |  |  |
|  |  | CR := MRD |  | 220030 |  |  |  |  |  |  |  |
|  |  | PC := PC + 1 |  |  | 22 | 0 | 030 |  |  |  |  |
| 002 |  | MAR := ADR |  |  |  |  |  |  |  |  |  |
|  |  | MDR := Acc | 030 |  |  |  |  |  |  |  |  |
|  |  | MWr |  | 000020 |  |  |  |  |  |  |  |
|  | ADD #5 | MAR := PC |  |  |  |  |  |  |  |  | 000020 |
|  |  | MRd | 002 |  |  |  |  |  |  |  |  |
|  |  | CR := MDR |  | 231005 |  |  |  |  |  |  |  |
|  |  | PC := PC +1 |  |  | 23 | 1 | 005 |  |  |  |  |
| 003 |  | DR := 000.ADR |  |  |  |  |  |  |  |  |  |
|  |  | FAУ := ALI |  |  |  |  |  |  | 000005 |  |  |
|  | WR @30 | MAR := PC |  |  |  |  |  | 000025 |  |  |  |