Transition Tables

Identifier:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Letter | Digit | Accepting |
| 1 | 2 |  | No |
| 2 | 2 | 2 | Yes |

Constant:

|  |  |  |
| --- | --- | --- |
|  | Digit | Accepting |
| 1 | 2 | No |
| 2 | 2 | Yes |

Arithmetic Operation:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | + | - | \* | / | Accepting |
| 1 | 2 | 3 | 4 | 5 | Yes |
| 2 |  |  |  |  | No |
| 3 |  |  |  |  | No |
| 4 |  |  |  |  | No |
| 5 |  |  |  |  | No |

Logic Operation:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | & | | | ~ | Accepting |
| 1 | 2 | 4 | 6 | Yes |
| 2 | 3 |  |  | Yes |
| 3 |  |  |  | No |
| 4 |  | 5 |  | Yes |
| 5 |  |  |  | No |
| 6 |  |  |  | No |

Relational Operation:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | < | > | = | ! | **ϵ** | Accepting |
| 1 | 2 | 6 | 5 | 9 |  | No |
| 2 |  |  | 3 |  | 4 | No |
| 3 |  |  |  |  |  | Yes |
| 4 |  |  |  |  |  | Yes |
| 5 |  |  |  |  |  | Yes |
| 6 |  |  | 7 |  | 8 | No |
| 7 |  |  |  |  |  | Yes |
| 8 |  |  |  |  |  | Yes |
| 9 |  |  | 10 |  |  | No |
| 10 |  |  |  |  |  | Yes |

Comment:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | / | @ | ^ | Accepting |
| 1 | 2 | 5 |  | No |
| 2 |  | 3 | 4 | No |
| 3 |  |  |  | Yes |
| 4 |  |  |  | Yes |
| 5 | 6 |  |  | No |
| 6 |  |  |  | Yes |