Republic of the Philippines

BOHOL ISLAND STATE UNIVERSITY

MAIN CAMPUS

COLLEGE OF ENGINEERING AND ARCHITECTURE

*Vision: A premiere S&T university for the formation of world class and virtuous human resource for sustainable development in Bohol and the Country.*

*Mission: BISU is committed to provide quality higher education in the arts and sciences, as well as in the professional and technological fields: undertake research and development, and extension services for the sustainable development of Bohol and the country.*

**Group 2 Members**: James A. Garin Jr. **Yr/Sec**: BSCPE 4

Jan Marius Torrefiel **Subject**: CpE 422

Renzo Belderol **Instructor**: Engr. Max Angelo Perin

Kyarra Cinconiegue

Jeorie Racines

**IF STATEMENT DFA:**

**S**

**IF**

**,**

**.**

**,**

**S**

**EXPR**

Q6

Q5

Q4

Q3

Q2

Q1

Q0

**OTHERS**

**OTHERS**

**OTHERS**

**OTHERS**

**OTHERS**

**OTHERS**

**OTHERS**

Q7

**OTHERS**

**STATE TABLE:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **State** | **IF** | **.** | **EXPR** | **,** | **S** | **OTHERS** |
| **0** | **1** | **7** | **7** | **7** | **7** | **7** |
| **1** | **7** | **2** | **7** | **7** | **7** | **7** |
| **2** | **7** | **7** | **3** | **7** | **7** | **7** |
| **3** | **7** | **7** | **7** | **4** | **7** | **7** |
| **4** | **7** | **7** | **7** | **7** | **5** | **7** |
| **5** | **7** | **7** | **7** | **6** | **5** | **7** |
| **6** | **7** | **7** | **7** | **7** | **7** | **7** |
| **7** | **7** | **7** | **7** | **7** | **7** | **7** |

**EXPRESSION DFA:**

**2 DIGIT NUMBER**

**RELATIONAL**

**OPERATOR**

**OTHERS**

**IDENTIFIER**

Q3

Q2

Q1

Q0

**OTHERS**

**OTHERS**

**OTHERS**

Q4

**OTHERS**

**STATE TABLE:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **State** | **Identifier** | **Relational**  **Operator** | **2 Digit**  **Number** | **Others** |
| **0** | **1** | **4** | **4** | **4** |
| **1** | **4** | **2** | **4** | **4** |
| **2** | **4** | **4** | **3** | **4** |
| **3** | **4** | **4** | **4** | **4** |
| **4** | **4** | **4** | **4** | **4** |

**WORK:**

Jan Maruis Torrefiel – GUI

Renzo Belderol – Statement

Kyarra Cinconiegue – Loop Statement

Jeorie Racines – Expression

James Garin Jr. – If Statement Syntax