**Decision Table**

**1st Iteration**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Accident | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N |
| Age | Y | Y | Y | N | N | N | Y | Y | Y | N | N | N |
| Experience | 0 | 1 to 9 | > 9 | 0 | 1 to 9 | > 9 | 0 | 1 to 9 | > 9 | 0 | 1 to 9 | > 9 |
| Insurance | N | N | N | N | N | N | Y | Y | Y | Y | Y | Y |
| Amount | - | - | - | - | - | - | $2,000 | $1,000 | $500 | $2,000 | $1,000 | $500 |
| Reduction Rate (%) | - | - | - | - | - | - | - | 15 | 15 | - | - | - |
| Final Amount | - | - | - | - | - | - | $2,000 | $850 | $425 | $2,000 | $1,000 | $500 |

**2nd Iteration**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Accident | N | N | N | N | N | N |
| Age | Y | Y | Y | N | N | N |
| Experience | 0 | 1 to 9 | > 9 | 0 | 1 to 9 | > 9 |
| Insurance | Y | Y | Y | Y | Y | Y |
| Amount | $2,000 | $1,000 | $500 | $2,000 | $1,000 | $500 |
| Reduction Rate (%) | - | 15 | 15 | - | - | - |
| Final Amount | $2,000 | $850 | $425 | $2,000 | $1,000 | $500 |

**3rd Iteration**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Accident | N | N | N | N | N |
| Age | Y | Y | N | N | N |
| Experience | 1 to 9 | > 9 | 0 | 1 to 9 | > 9 |
| Insurance | Y | Y | Y | Y | Y |
| Amount | $1,000 | $500 | $2,000 | $1,000 | $500 |
| Reduction Rate (%) | 15 | 15 | - | - | - |
| Final Amount | $850 | $425 | $2,000 | $1,000 | $500 |

1. 0 Accident, Age is more than 30 and 1 to 9 years of experience

* Expected Result: Provide insurance with total amount of $850

1. 0 Accident, Age is more than 30 and more than 9 years of experience

* Expected Result: Provide insurance with total amount of $425

1. 0 Accident, Age is less than 30 and 0 years of experience

* Expected Result: Provide insurance with total amount of $2000

1. 0 Accident, Age is less than 30 and 1 to 9 years of experience

* Expected Result: Provide insurance with total amount of $1000

1. 0 Accident, Age is less than 30 and more than 9 years of experience

* Expected Result: Provide insurance with total amount of $500