**ADEPEGBA USMAN**

**CSC 202 ASSIGNMENT**

**19/SCI01/091**

***PROVE THAT ;***

***A\*(B+C) = (A\*B)+(A\*C)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **(B+C)** | **(A\*B)** | **(A\*C)** | **A\*(B+C)** | **(A\*B)+(B\*C)** |
| **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **0** | **0** | **1** | **1** | **0** | **0** | **0** | **0** |
| **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** |
| **0** | **1** | **1** | **1** | **0** | **0** | **0** | **0** |
| **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **1** | **0** | **1** | **1** | **0** | **1** | **1** | **1** |
| **1** | **1** | **0** | **1** | **1** | **0** | **1** | **1** |
| **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |

***SINCE THE 7THAND 8TH COLUMN GIVE THE SAME RESULT, THERFORE***

***A\*(B+C) = (A\*B)+(A\*C).***