Table 1 Simple BVA

|  |  |  |  |
| --- | --- | --- | --- |
| Side a | Side b | Side c | Output |
| 1 | 1 | 1 | Equilateral |
| 2 | 1 | 1 | Isosceles |
| 1 | 100 | 100 |  |
| 2 | 100 | 100 |  |
| 100 | 100 | 100 | Not a triangle |
| 199 | 100 | 100 | Not a triangle |
| 200 | 100 | 100 | Not a triangle |
| 100 | 1 | 100 | Isosceles |
| 100 | 2 | 100 | Equilateral |
| 100 | 100 | 100 | Not a triangle |
| 100 | 199 | 100 | Not a triangle |
| 100 | 200 | 100 | Not a triangle |
| 100 | 100 | 1 |  |
| 100 | 100 | 2 |  |
| 100 | 100 | 100 |  |
| 100 | 100 | 199 |  |
| 100 | 100 | 200 |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Weak normal ECP

| Side A | Side B | Side C | Output |

|:------:|--------|--------|----------------|

| 100 | 100 | 50 | Isosceles |

| 100 | 90 | 80 | Scalene |

| 100 | 1 | 10 | Not a triangle |

| 100 | 100 | 100 | Equilateral |

Strong Normal ECP

| Side A | Side B | Side C | Output |

|:------:|--------|--------|----------------|

| 100 | 100 | 50 | Isosceles |

| 100 | 90 | 80 | Scalene |

| 100 | 1 | 10 | Not a triangle |

| 100 | 100 | 100 | Equilateral |

| 100 | 100 | 50 | Isosceles |

| 90 | 100 | 80 | Scalene |

| 1 | 100 | 10 | Not a triangle |

| 100 | 100 | 100 | Equilateral |

| 50 | 100 | 100 | Isosceles |

| 80 | 90 | 100 | Scalene |

| 10 | 1 | 100 | Not a triangle |

| 100 | 100 | 100 | Equilateral |

“-“ in the decision table means redundant