**Logic Tool Results**

Logical Expression: p→q,q→r⊢¬r→¬p

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Line | Expression | Rule | First Segment | Second Segment | Third Segment |
| 1 | q→r | Data |  |  |  |
| ┌--------------------------------------------------------------------------------------------------------------┐ | | | | | |
| 2 | ¬r | Assumption |  |  |  |
| 3 | ¬q | MT | 1 | 2 |  |
| 4 | p→q | Data |  |  |  |
| 5 | ¬p | MT | 4 | 3 |  |
| └--------------------------------------------------------------------------------------------------------------┘ | | | | | |
| 6 | ¬r→¬p | →i | 2-5 |  |  |