**Logic Tool Results**

Logical Expression: p→q,q→r⊢p→r

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