**Logic Tool Results**

Logical Expression: (¬p∧q)→r,s→¬r,q∧s⊢p

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Line | Expression | Rule | First Segment | Second Segment | Third Segment |
| ┌--------------------------------------------------------------------------------------------------------------┐ | | | | | |
| 1 | ¬p | Assumption |  |  |  |
| 2 | q∧s | Data |  |  |  |
| 3 | q | ∧e1 | 2 |  |  |
| 4 | ¬p∧q | ∧i | 1 | 3 |  |
| 5 | (¬p∧q)→r | Data |  |  |  |
| 6 | r | MP | 4 | 5 |  |
| 7 | s→¬r | Data |  |  |  |
| 8 | s | ∧e2 | 2 |  |  |
| 9 | ¬r | MP | 7 | 8 |  |
| 10 | ⊥ | ¬e | 6 | 9 |  |
| └--------------------------------------------------------------------------------------------------------------┘ | | | | | |
| 11 | p | PBC | 1-10 |  |  |