**Logic Tool Results**

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

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