Main Expression: ⊢(¬p∨q)→(p→q)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Line | Expression | Rule | First Segment | Second Segment | Third Segment |
| ┌--------------------------------------------------------------------------------------------------------------┐ | | | | | |
| 1 | ¬p∨q | Assumption |  |  |  |
| ┌------------------------------------------------------------------------------------------------------┐ | | | | | |
| 2 | p | Assumption |  |  |  |
| ┌----------------------------------------------------------------------------------------------┐ | | | | | |
| 3 | ¬p | Assumption |  |  |  |
| 4 | ⊥ | ¬e | 2 | 3 |  |
| 5 | q | ⊥e | 4 |  |  |
| └----------------------------------------------------------------------------------------------┘ | | | | | |
| ┌----------------------------------------------------------------------------------------------┐ | | | | | |
| 6 | q | Assumption |  |  |  |
| 7 | q | Copy | 6 |  |  |
| └----------------------------------------------------------------------------------------------┘ | | | | | |
| 8 | q | ∨e | 1 | 3-5 | 6-7 |
| └------------------------------------------------------------------------------------------------------┘ | | | | | |
| 9 | p→q | →i | 2-8 |  |  |
| └--------------------------------------------------------------------------------------------------------------┘ | | | | | |
| 10 | (¬p∨q)→(p→q) | →i | 1-9 |  |  |