**Logic Tool Results**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Line | Expression | Rule | First Segment | Second Segment | Third Segment |
| 1 | β,δ,ε,γ⊢β∨(γ∧δ)→(ε→γ) | Proven i |  |  |  |
| 2 | p | Data |  |  |  |
| 3 | p∨r | Data |  |  |  |
| 4 | q | Data |  |  |  |
| 5 | t∨s | Data |  |  |  |
| 6 | p∨((t∨s)∧(p∨r))→(q→(t∨s)) | Proven e | 1 | 2,3,4,5 |  |