```
In[40]:= n
     ln[43] = n = p3 \times p4 / Norm[p3 \times p4];
     ln[56]:= Simplify [Grad [Dot [n, p1], p1] == n]
Out[56]= True
     log[49] = Simplify [Grad [Dot [n, p1], p3] = -(p4 \times p1 + n \times p4 Dot [n, p1]) / Norm [p3 \times p4]]
     log(50) := Grad[Dot[n, p1], p3] /. \{p1x \rightarrow 0.5, p1y \rightarrow 0.6, p1z \rightarrow 1.9, p3x \rightarrow 1.1, p3x \rightarrow 
                                                                                                    p3y \rightarrow 0.6, p3z \rightarrow 0.9, p4x \rightarrow 0.8, p4y \rightarrow -0.75, p4z \rightarrow -1.2, Abs \rightarrow abs
Out[50]= \{0.017129, -0.776515, 0.496741\}
     ln[52] = (p4 \times p1 + n \times p4 \text{ Dot}[n, p1]) / Norm[p3 \times p4] /. \{p1x \rightarrow 0.5, p1y \rightarrow 0.6, p1z \rightarrow 1.9, p
                                                                                                    p3x \rightarrow 1.1, p3y \rightarrow 0.6, p3z \rightarrow 0.9, p4x \rightarrow 0.8, p4y \rightarrow -0.75, p4z \rightarrow -1.2, Abs \rightarrow abs
Out[52]= \{0.017129, -0.776515, 0.496741\}
     log(53) = Grad[Dot[n, p1], p4] / \{p1x \rightarrow 0.5, p1y \rightarrow 0.6, p1z \rightarrow 1.9, p3x \rightarrow 1.1, p3x \rightarrow 1.1\}
                                                                                                      p3y \rightarrow 0.6, \ p3z \rightarrow 0.9, \ p4x \rightarrow 0.8, \ p4y \rightarrow -0.75, \ p4z \rightarrow -1.2, \ Abs \rightarrow abs\}
Out[53]= \{-0.0121683, 0.551629, -0.352881\}
     ln[55] = -(p3 \times p1 + n \times p3 Dot[n, p1]) / Norm[p3 \times p4] / . \{p1x \rightarrow 0.5, p1y \rightarrow 0.6, p1z \rightarrow 1.9, p1z \rightarrow 0.6, p1z
                                                                                                    p3x \rightarrow 1.1, p3y \rightarrow 0.6, p3z \rightarrow 0.9, p4x \rightarrow 0.8, p4y \rightarrow -0.75, p4z \rightarrow -1.2, Abs \rightarrow abs
Out[55]= \{-0.0121683, 0.551629, -0.352881\}
```