



$$\text{distance}(L; F) = \frac{|(5-6) \cdot 18 - (18-9) \cdot 2 + 18 \cdot 6 - 5 \cdot 9|}{\sqrt{(5-6)^2 + (18-9)^2}} = \frac{|-14 - 18 + 108 - 45|}{\sqrt{1+81}} = \frac{31}{\sqrt{82}}$$

