



(产)=(克产)形

$$F_{T} = \left(\frac{(5,-2)\cdot(0,-4)}{(5,-2)}\right)(5,-2) = \frac{8}{29}(5,-2)$$

$$F_{T} = \left(\frac{40}{29}, -\frac{16}{29}\right)$$

$$F_T + F_N = F$$

$$F_{N} = F - F_{T} = (0, -4) - (\frac{40}{29}, \frac{-16}{29})$$

$$F_{N} = (\frac{-40}{29}, -4 + \frac{16}{29})$$

$$F_N = \left(-\frac{40}{29}, -4 + \frac{16}{29}\right)$$