Solve the equation with the given value $0.147 \cdot \dfrac{1}{N}$ (not Zero).

$$\frac{\lambda}{2\,Y_F} \cdot \frac{F_R}{F_P} = 0.147 \cdot \frac{1}{N} \xrightarrow{\;solve\,,F_R\;} \frac{0.294 \cdot F_P \cdot Y_F}{N \cdot \lambda} \qquad F_R = \frac{0.294 \cdot F_P \cdot Y_F}{N \cdot \lambda}$$

Calculate the symbolical solution with the given parameters.

$$\lambda := 0.504 \qquad Y_F := 1.103\ N \qquad F_P := 59462.849\ N$$

$$F_R := \frac{0.294 \cdot F_P \cdot Y_F}{N \cdot \lambda} = 38259.39\ N$$

Don't understand your Equation with "Zero" ?????