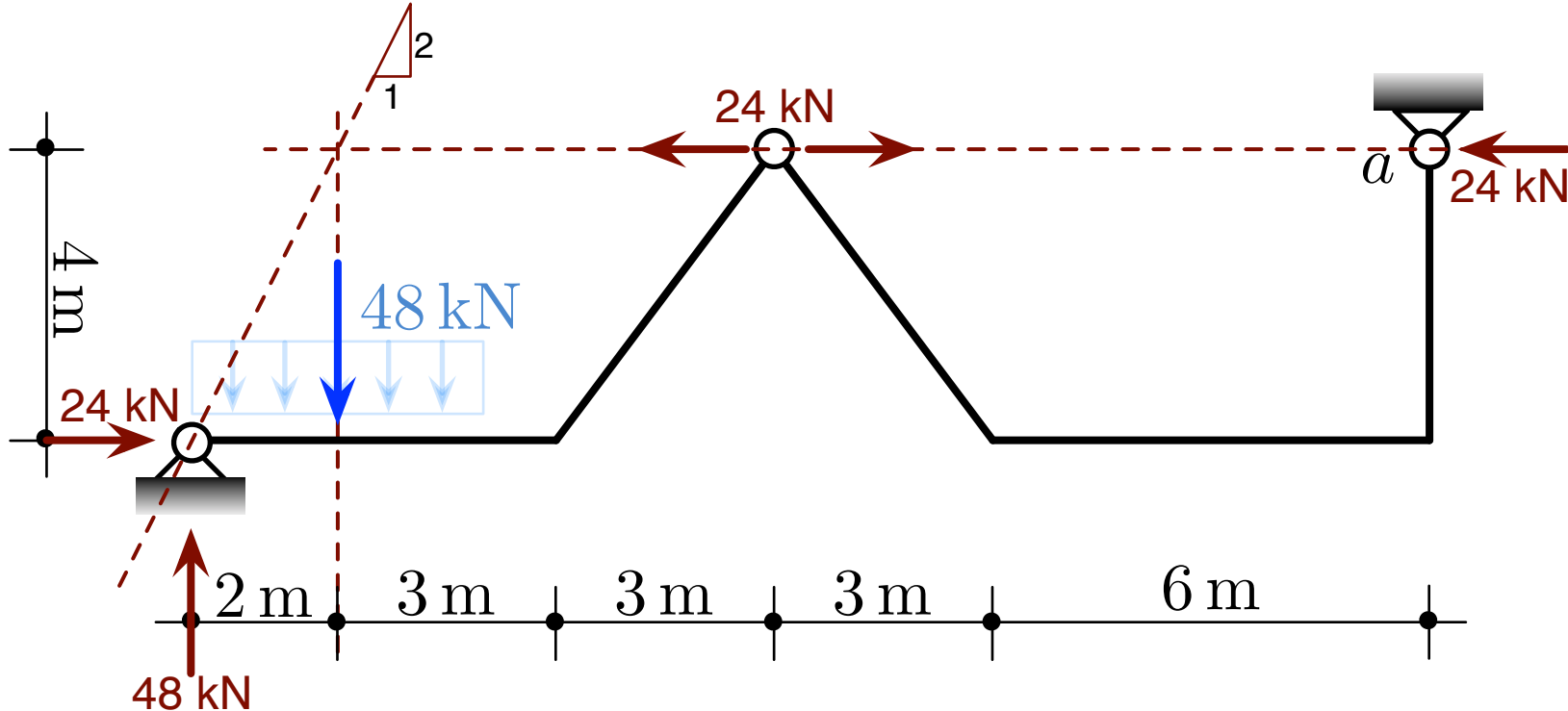
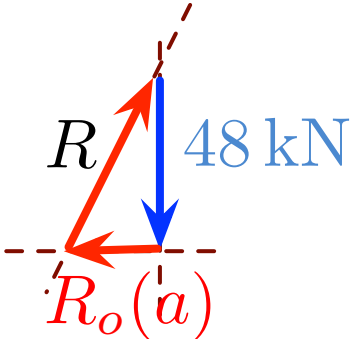


SCHEMA 0: reazioni vincolari



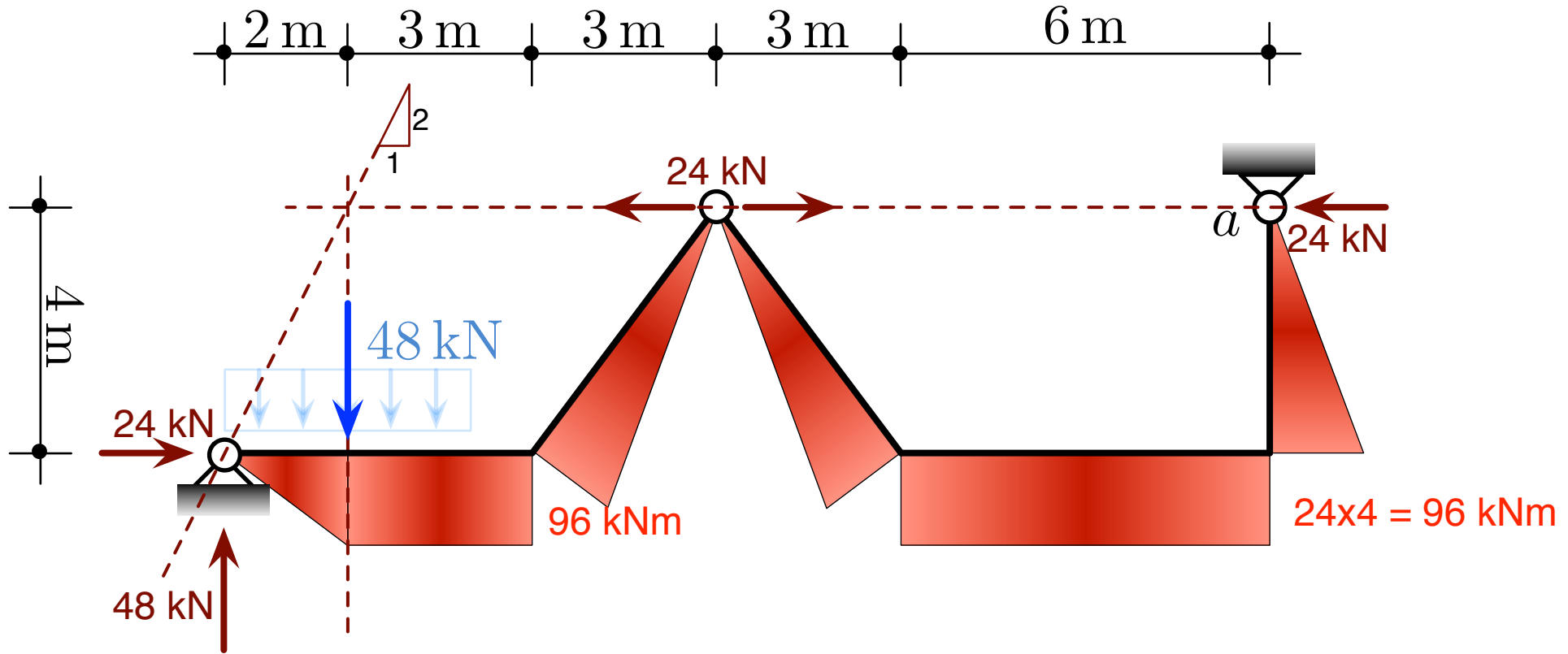
EQL
LOCALE
SX



$$R_o(a) = \bar{R}$$

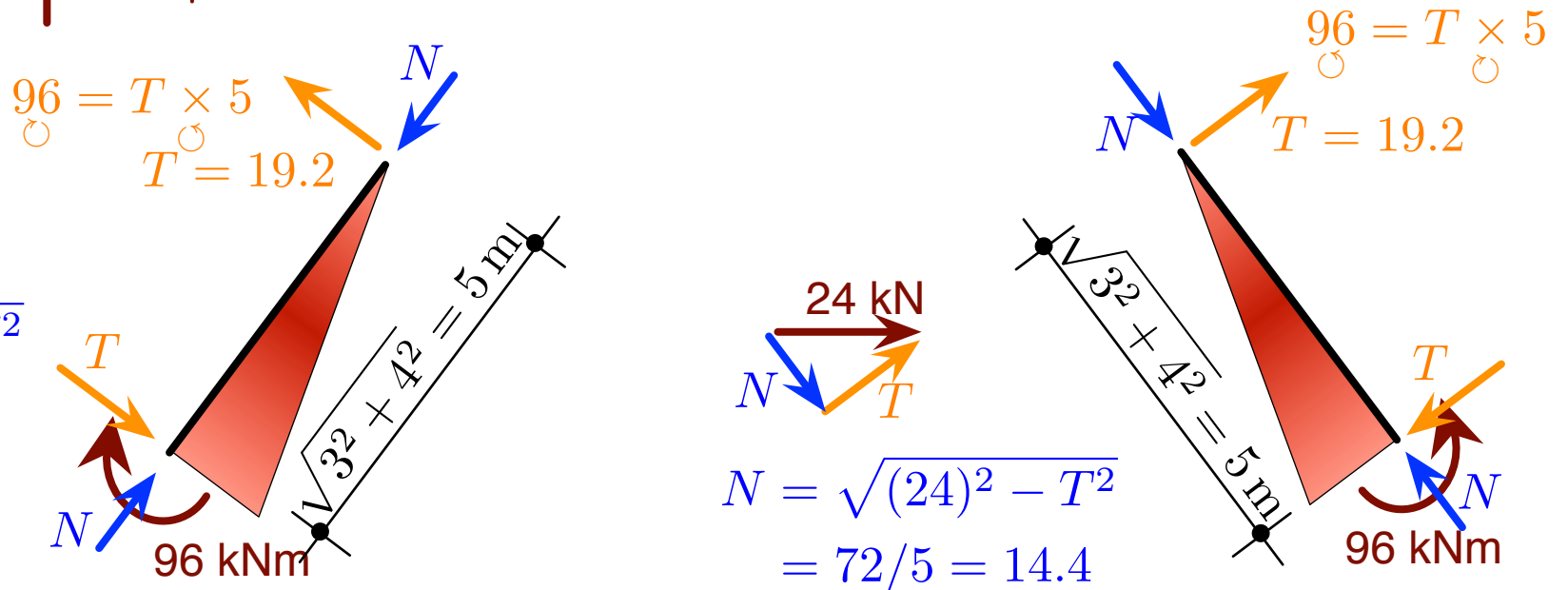
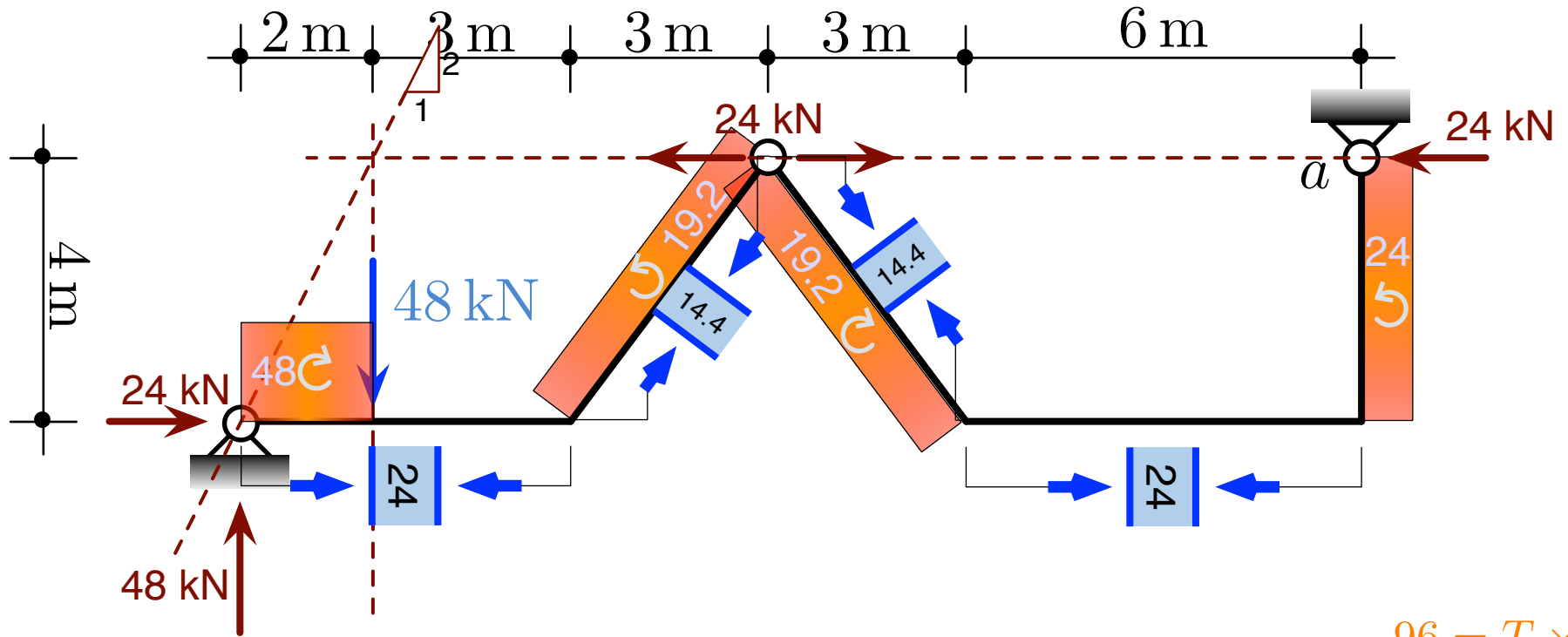
$$48 = 2\bar{R}$$

SCHEMA 0: diagramma Mo

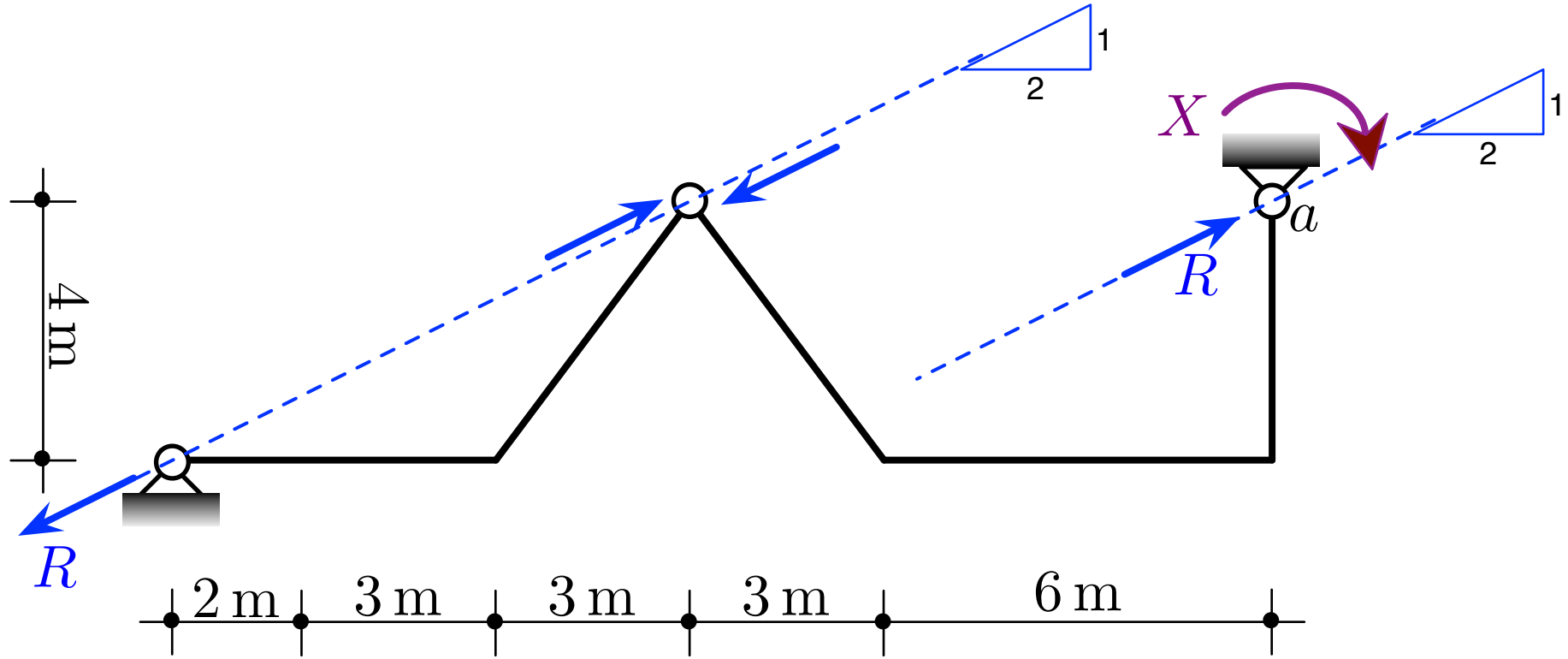


$$\lambda_s 96 = My \longrightarrow \lambda_s = \frac{500}{96} = \frac{125}{24} \approx 5.21$$

SCHEMA 0: diagramma To
(No sovrapposto)



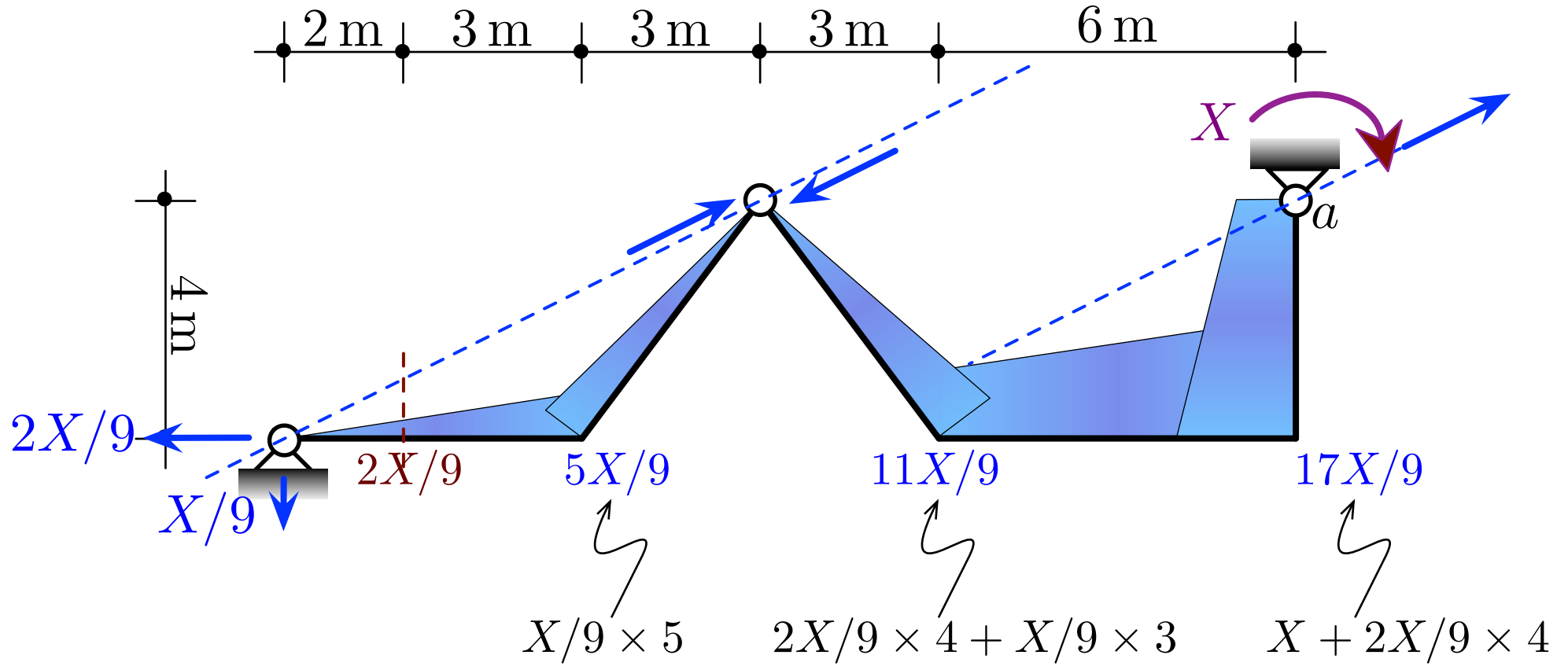
SCHEMA X: reazioni vincolari



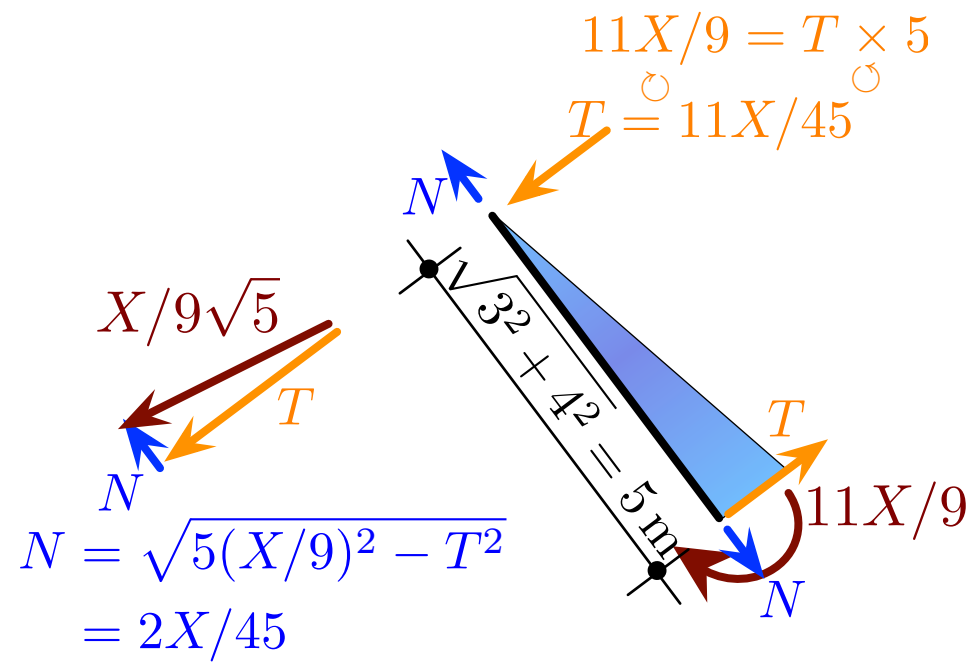
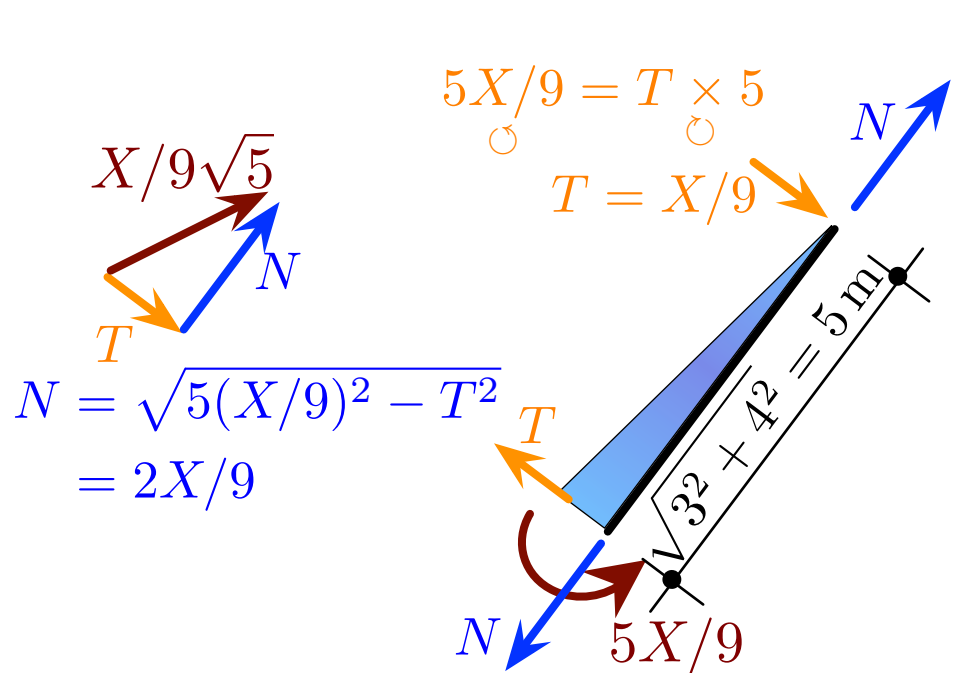
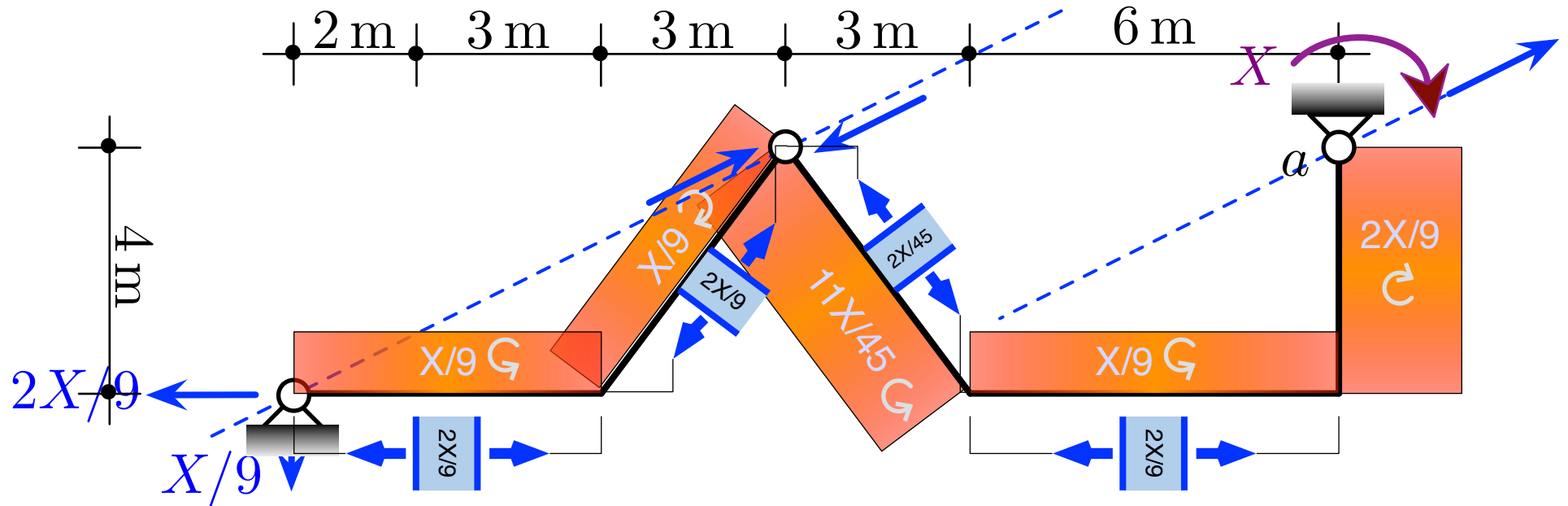
EQL
LOCALE
DX

$$X = R_v \times 9 \longrightarrow R_v = X/9 \longrightarrow R_o = R_v \cdot 2 \equiv 2X/9$$

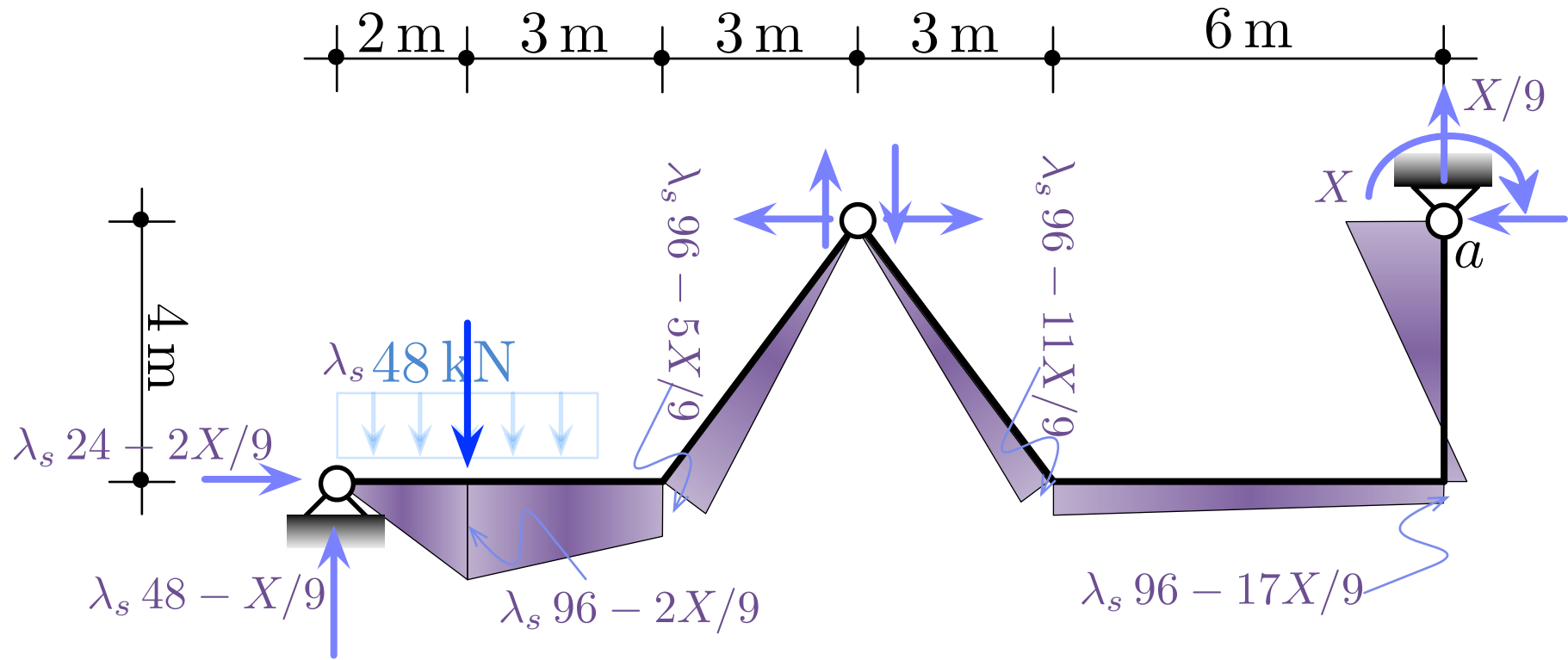
SCHEMA X: diagramma Mx



SCHEMA X: diagramma Tx
(Nx sovrapposto)



SCHEMA IPERSTATICO: diagramma Mo+Mx



$$X = M_y$$

$$\lambda_s 96 - 2X/9 = M_y$$



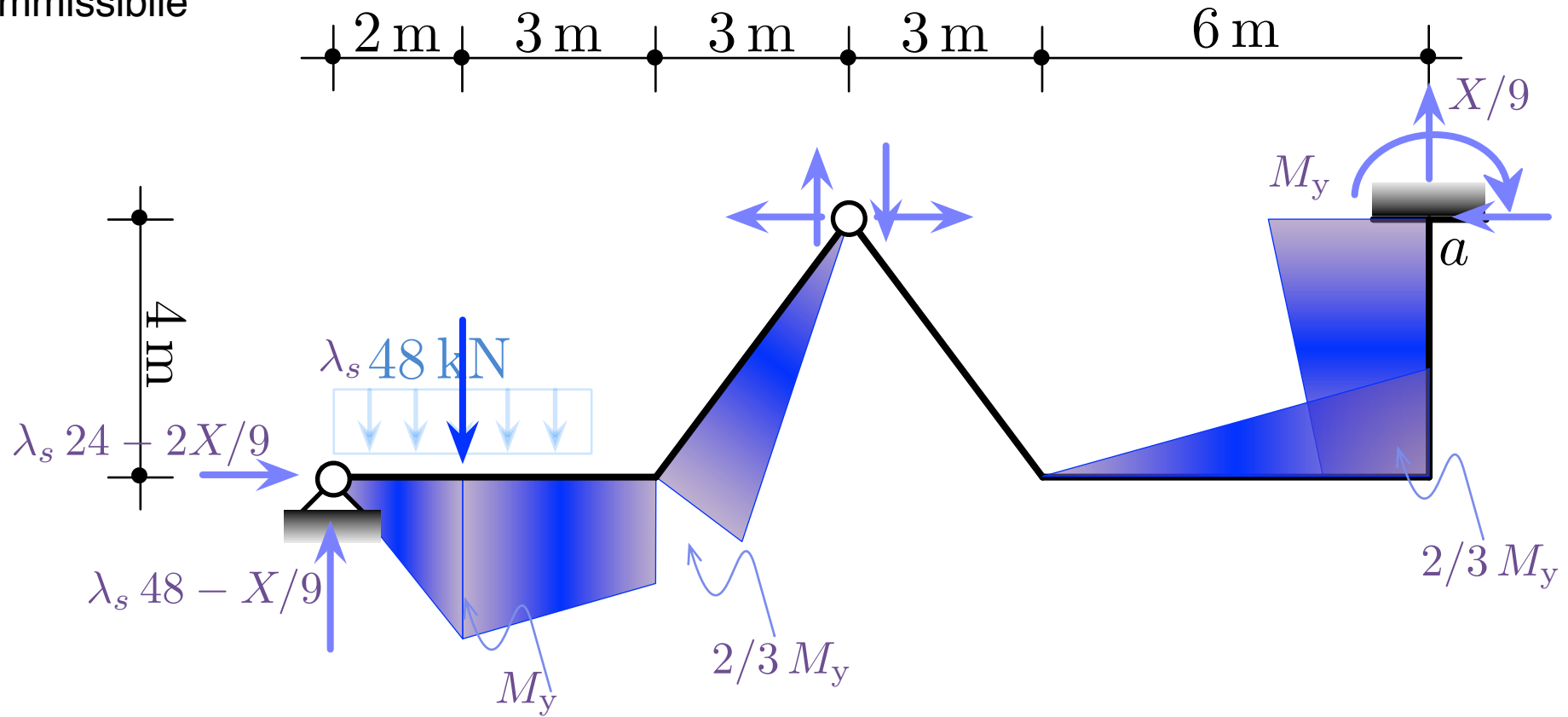
$$\lambda_s = \frac{500 \cdot 11}{96 \cdot 9} \equiv \frac{1375}{216} \approx 6.37 \rightarrow$$

$$\lambda_s 96 - 5X/9 \equiv 2/3 M_y$$

$$\lambda_s 96 - 11X/9 \equiv 0$$

$$\lambda_s 96 - 17X/9 \equiv -2/3 M_y$$

SCHEMA IPERSTATICO: diagramma ammissibile



$$X = M_y$$

$$\lambda_s 96 - 2X/9 = M_y$$



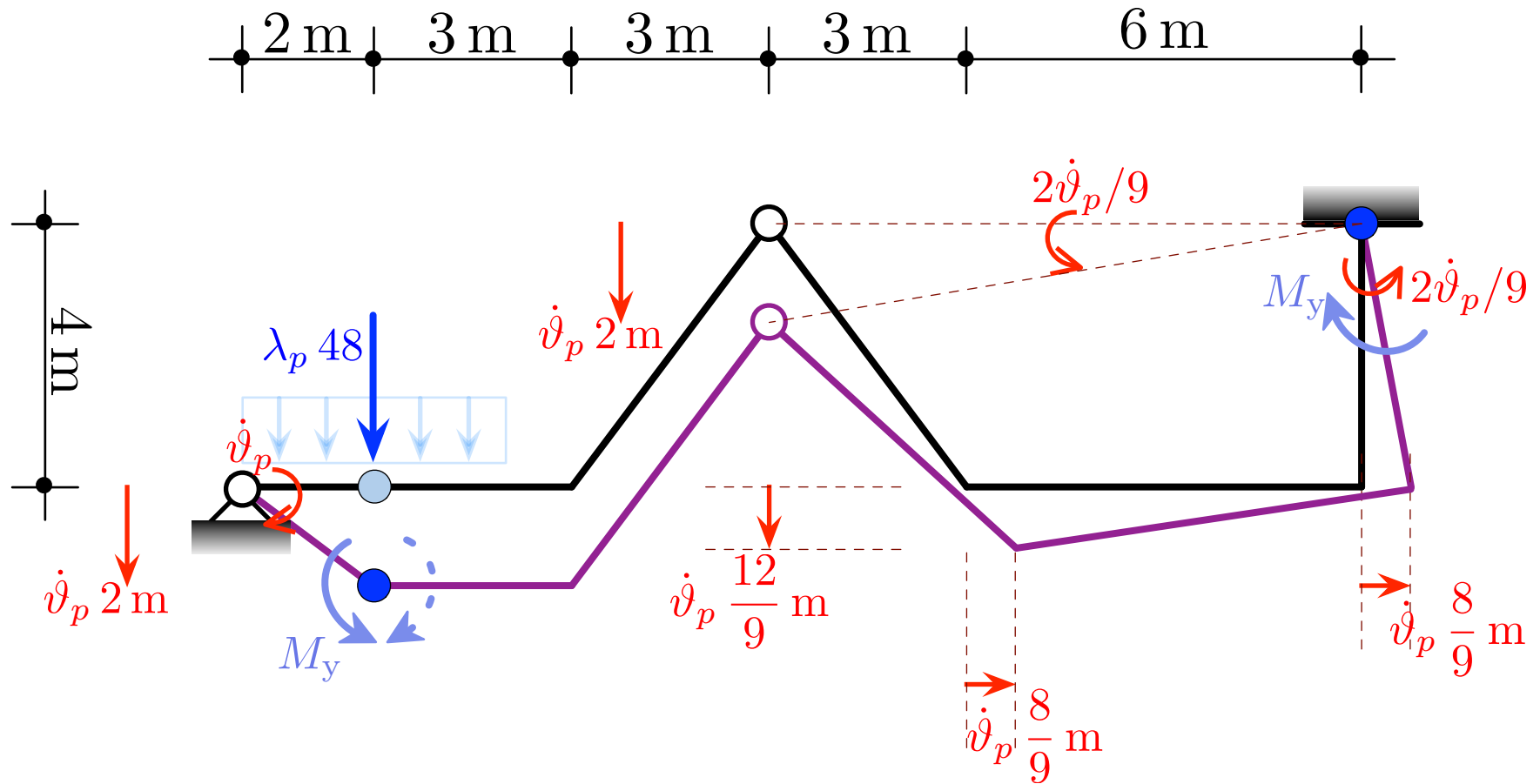
$$\lambda_s = \frac{500 \cdot 11}{96 \cdot 9} \equiv \frac{1375}{216} \approx 6.37$$

$$\lambda_s 96 - 5X/9 \equiv 2/3 M_y$$

$$\lambda_s 96 - 11X/9 \equiv 0$$

$$\lambda_s 96 - 17X/9 \equiv -2/3 M_y$$

APPROCCIO CINEMATICO



$$\mathcal{P}_{\text{est}} = \lambda_p 48 \dot{v}_p 2 - M_y \left(1 + \frac{2}{9}\right) \dot{v}_p = 0 \quad \longrightarrow \quad \lambda_p = \frac{500 \cdot 11}{48 \cdot 2 \cdot 9} = \frac{1375}{216} \approx 6.37$$

$$\longrightarrow \quad \lambda_s \equiv \lambda_p \equiv \lambda_c = 6.37$$