



1m ramy

$\frac{100}{3EI} = 100a$ odkształcenia

$$\downarrow v_B = v_C = \frac{48}{EI} = \frac{144}{3EI} = 144a$$

$$\curvearrowright \varphi_B = \frac{124}{3EI} = 124a$$

$$\leftarrow u_C = u_D = u_B = \frac{176}{3EI} = 176a$$

$$\curvearrowright \varphi_C^D = \frac{4}{3EI} = 4a$$

$$\curvearrowright \varphi_C^E = \frac{4}{EI} = \frac{12}{3EI} = 12a$$

$$\downarrow v_D = \frac{176}{3EI} = 176a$$

$$\curvearrowright \varphi_D = \frac{36}{EI} = \frac{108}{3EI} = 108a$$

$$\curvearrowright \varphi_E = \frac{16}{EI} = \frac{48}{3EI} = 48a$$