$\varepsilon_{st.Max} := 0.0028$ $\varepsilon_{c.Max} := -0.0009$

Given

$\varepsilon_{c.Max} = -0.0035$ $\varepsilon_{st.Max} < 0.01$

$$K3 := \text{Minimize}\left(N_{Ed}, \varepsilon_{st.Max}, \varepsilon_{c.Max}\right) = \begin{pmatrix} -0.002640347913306 \\ -0.00349999711990356 \end{pmatrix}$$

$N_{Ed}\left(K3_1, K3_2\right) = -21043.076 \cdot kN$

$M_{Ed}\left(K3_1, K3_2\right) = 513.932 \cdot kN \cdot m$

Given

$-1\varepsilon_{cu2} \le \varepsilon_{c.Max} \le 0$ $\varepsilon_{st.Max} = 0.01$

$$K4 := \text{Maximize}\left(M_{Ed}, \varepsilon_{st.Max}, \varepsilon_{c.Max}\right) = \begin{pmatrix} 0.00999999999335153 \\ -0.00349964200117696 \end{pmatrix}$$

$M_{Ed}\left(K4_1, K4_2\right) = 2146.186 \cdot kN \cdot m$

$N_{Ed}\left(K4_1, K4_2\right) = -5371.88 \cdot kN$

Note: The Highligted Box Should be Zero