

► Alternativ 1

▼ Punktlaster for Alternativ 2

▼ Akse 1

Last fra byggkonstruksjonen (kN/m)

$$\begin{aligned} & \text{[} > q_{li} := 201.83 \\ & \text{]} \qquad \qquad \qquad q_{li} := 201.83 \end{aligned} \qquad (2.1.1)$$

Punktlast i S1 fra spenn C til S1 (kN)

$$\begin{aligned} & \text{[} > s_{1h} := \frac{q_{li} \cdot 6.0}{2} \\ & \text{]} \qquad \qquad \qquad s_{1h} := 605.4900000 \end{aligned} \qquad (2.1.2)$$

Punktlast i S1 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{[} > s_{1v} := \frac{q_{li} \cdot 5.855}{2} \\ & \text{]} \qquad \qquad \qquad s_{1v} := 590.8573250 \end{aligned} \qquad (2.1.3)$$

Punktlast i G1 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{[} > g_{1h} := \frac{q_{li} \cdot 5.855}{2} \\ & \text{]} \qquad \qquad \qquad g_{1h} := 590.8573250 \end{aligned} \qquad (2.1.4)$$

Punktlast i G1 fra spenn G til I (kN)

$$\begin{aligned} & \text{[} > g_{1v} := \frac{q_{li} \cdot 4.905}{2} \\ & \text{]} \qquad \qquad \qquad g_{1v} := 494.9880750 \end{aligned} \qquad (2.1.5)$$

Punktlast i S1 (kN)

$$\begin{aligned} & \text{[} > S1 := s_{1h} + s_{1v} \\ & \text{]} \qquad \qquad \qquad S1 := 1196.347325 \end{aligned} \qquad (2.1.6)$$

Punktlast i G1 (kN)

$$\begin{aligned} & \text{[} > G1 := g_{1h} + g_{1v} \\ & \text{]} \qquad \qquad \qquad G1 := 1085.845400 \end{aligned} \qquad (2.1.7)$$

▼ Akse 2

Last fra byggkonstruksjonen (kN/m)

$$\begin{aligned} & \text{[} > q_2 := 336.88 \\ & \text{]} \qquad \qquad \qquad q_2 := 336.88 \end{aligned} \qquad (2.2.1)$$

Punktlast i S2 fra spenn C til S1 (kN)

$$\begin{aligned} & \text{[} > s_{2h} := \frac{q_2 \cdot 6.0}{2} \\ & \text{]} \qquad \qquad \qquad s_{2h} := 1010.640000 \end{aligned} \qquad (2.2.2)$$

Punktlast i S2 fra spenn S1 til I (kN)

$$\begin{aligned} & \text{> } s_{2v} := \frac{q_2 \cdot 5.855}{2} \\ & \qquad \qquad \qquad s_{2v} := 986.2162000 \end{aligned} \quad (2.2.3)$$

Punktlast i G2 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{> } g_{2h} := \frac{q_2 \cdot 5.855}{2} \\ & \qquad \qquad \qquad g_{2h} := 986.2162000 \end{aligned} \quad (2.2.4)$$

Punktlast i G1 (kN)

$$\begin{aligned} & \text{> } G_2 := g_{2h} \\ & \qquad \qquad \qquad G_2 := 986.2162000 \end{aligned} \quad (2.2.5)$$

Punktlast i S2 (kN)

$$\begin{aligned} & \text{> } S_2 := s_{2h} + s_{2v} \\ & \qquad \qquad \qquad S_2 := 1996.856200 \end{aligned} \quad (2.2.6)$$

▼ Akse 3

Punktlast i G (kN)

$$\begin{aligned} & \text{> } G_3 := 420.64 \\ & \qquad \qquad \qquad G_3 := 420.64 \end{aligned} \quad (2.3.1)$$

▼ Akse 4

Last fra byggkonstruksjonen (kN/m)

$$\begin{aligned} & \text{> } q_4 := 365.91 \\ & \qquad \qquad \qquad q_4 := 365.91 \end{aligned} \quad (2.4.1)$$

Punktlast i S4 fra spenn C til S1 (kN)

$$\begin{aligned} & \text{> } s_{4h} := \frac{q_4 \cdot 6.0}{2} \\ & \qquad \qquad \qquad s_{4h} := 1097.730000 \end{aligned} \quad (2.4.2)$$

Punktlast i S4 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{> } s_{4v} := \frac{q_4 \cdot 5.855}{2} \\ & \qquad \qquad \qquad s_{4v} := 1071.201525 \end{aligned} \quad (2.4.3)$$

Punktlast i S4 (kN)

$$\begin{aligned} & \text{> } S_4 := s_{4h} + s_{4v} \\ & \qquad \qquad \qquad S_4 := 2168.931525 \end{aligned} \quad (2.4.4)$$

▼ Akse 5

Punktlast i G (kN)

$$\begin{aligned} & \text{> } G_5 := 483.04 \\ & \qquad \qquad \qquad G_5 := 483.04 \end{aligned} \quad (2.5.1)$$

▼ Akse 6

Last fra byggkonstruksjonen (kN/m)

$$\begin{aligned} & \text{[} > q6 := 354.65 \\ & \text{]} \quad q6 := 354.65 \end{aligned} \quad (2.6.1)$$

Punktlast i S2 fra spenn C til S1 (kN)

$$\begin{aligned} & \text{[} > s6h := \frac{q6 \cdot 6.0}{2} \\ & \text{]} \quad s6h := 1063.950000 \end{aligned} \quad (2.6.2)$$

Punktlast i S2 fra spenn S1 til I (kN)

$$\begin{aligned} & \text{[} > s6v := \frac{q6 \cdot 5.855}{2} \\ & \text{]} \quad s6v := 1038.237875 \end{aligned} \quad (2.6.3)$$

Punktlast i G2 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{[} > g6h := \frac{q6 \cdot 5.855}{2} \\ & \text{]} \quad g6h := 1038.237875 \end{aligned} \quad (2.6.4)$$

Punktlast i G1 (kN)

$$\begin{aligned} & \text{[} > G6 := g6h \\ & \text{]} \quad G6 := 1038.237875 \end{aligned} \quad (2.6.5)$$

Punktlast i S2 (kN)

$$\begin{aligned} & \text{[} > S6 := s6h + s6v \\ & \text{]} \quad S6 := 2102.187875 \end{aligned} \quad (2.6.6)$$

▼ Akse 7

Last fra byggkonstruksjonen (kN/m)

$$\begin{aligned} & \text{[} > q7 := 243.51 \\ & \text{]} \quad q7 := 243.51 \end{aligned} \quad (2.7.1)$$

Punktlast i S1 fra spenn C til S1 (kN)

$$\begin{aligned} & \text{[} > s7h := \frac{q7 \cdot 6.0}{2} \\ & \text{]} \quad s7h := 730.5300000 \end{aligned} \quad (2.7.2)$$

Punktlast i S1 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{[} > s7v := \frac{q7 \cdot 5.855}{2} \\ & \text{]} \quad s7v := 712.8755250 \end{aligned} \quad (2.7.3)$$

Punktlast i G1 fra spenn S1 til G (kN)

$$\begin{aligned} & \text{[} > g7h := \frac{q7 \cdot 5.855}{2} \\ & \text{]} \quad g7h := 712.8755250 \end{aligned} \quad (2.7.4)$$

Punktlast i G1 fra spenn G til I (kN)

$$\begin{aligned} & \text{[} > g7v := \frac{q7 \cdot 4.905}{2} \\ & \text{]} \quad g7v := 597.2082750 \end{aligned} \quad (2.7.5)$$

Punktlast i S1 (kN)

$$\begin{aligned} & \text{[} > S7 := s7h + s7v \\ & \text{]} \quad S7 := 1443.405525 \end{aligned} \quad (2.7.6)$$

Punktlast i G1 (kN)

$$> G7 := g7h + g7v$$

$$G7 := 1310.083800$$

(2.7.7)

► **Alternativ 2**

► **Alternativ 3**