

```

ClearAll[A1, A2, x1, x2]
GT = {{-Cos[α], -Sin[α]}, {-1, 0}}
{{-Cos[α], -Sin[α]}, {-1, 0}}
G = Transpose[GT]
{{-Cos[α], -1}, {-Sin[α], 0}}
q = {0, P}
{0, P}
s = -Inverse[G].q
{P Csc[α], -P Cot[α]}
L2 = L
L
L1 = L / Cos[α]
L Sec[α]
F = {{L1 / Ym / A1, 0}, {0, L2 / Ym / A2}}
{{L Sec[α] / (A1 Ym), 0}, {0, L / (A2 Ym)}}
V = -Inverse[GT].F.s
{-L P Cot[α] / (A2 Ym), L P Cot[α]^2 / (A2 Ym) + L P Csc[α]^2 Sec[α] / (A1 Ym)}

```

Feladat 4. rendezés:

$$A2 = P / x1 / \sigma H$$

$$A1 = P / x2 / \sigma H$$

$$\frac{P}{x1 \sigma H}$$

$$\frac{P}{x2 \sigma H}$$

$$\frac{P}{x2 \sigma H}$$

$$x2 \sigma H$$

$$cf = A1 / \cos[\alpha] + A2$$

$$\frac{P}{x1 \sigma H} + \frac{P \sec[\alpha]}{x2 \sigma H}$$

$$V[[1]] Ym / L / \sigma H$$

$$V[[2]] Ym / L / \sigma H // Simplify$$

$$-x1 \cot[\alpha]$$

$$x1 \cot[\alpha]^2 + x2 \csc[\alpha]^2 \sec[\alpha]$$