fredag 23 december 2022 09:34  $L = \int_{0}^{1} (x^{2}(u))^{2} + (y^{2}(u))^{2} du = \int_{0}^{1} (60 u^{2})^{2} + (60 u \sqrt{1-u^{2}})^{2} du = \int_{0}^{1} (40 u^{2})^{2} + (60 u \sqrt{1-u^{2}})^{2} du = \int_{0}^{1} (40 u^{2})^{2} du = \int_{0}^{1} (40 u^{2})^{2}$ 

$$S = + \cdot V + = \frac{s}{V} dt = \frac{ds}{V(s)} = \frac{1}{V(s)} \cdot ds$$

$$+ = \int_{0}^{20} dt = \int_{0}^{20} \frac{30}{600} ds = \left[\frac{1}{20}s + \frac{s^{2}}{1200}\right]_{0}^{20} = \frac{1}{20} \frac{3}{20} + \frac{900}{1200} = \frac{9}{4} h = \frac{2,25h}{1200}$$

(Sv.: Strizken ir 20 km e dut far 2,25 h for yslisten att Eyckla den stricken.