

$$C(x_1y_1z) = 3xy + 2(xz + yz)$$

 $C(y_1z) = 3.2y.y + 2(2yz + yz) &$

V = xy.2 = 500 =) $2 = \frac{500}{xy}$

$$C(y) = 6y^{2} + 2(2y.500 + y.500)$$

$$= 6y^{2} + \frac{1000}{y} + \frac{500}{y} = 6y^{2} + \frac{1500.51}{y}$$

V = 500 m3

$$C' = 12 y - 1500 y^2 = 12y - 1500 = 12y^3 - 1500$$

$$e' = 0 \implies 12y^3 - 1500 = 0$$

$$y^3 = \frac{1500}{12} = 125$$

$$y = Tm$$
 => $X = 2.y = 10m$
 $z = \frac{500}{2.25} = \frac{500}{50} = \frac{10m}{50}$

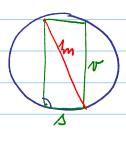
$$C'' = 12 + 2.1500 \, j^3 \implies C''(5) > 0 \implies \text{NAFLI SITE}$$
MINIMUM

$$S'(r) = 4\pi r - 2r^2 = 4\pi r - \frac{2}{r^2} = \frac{4\pi r^3 - 2}{r^2}$$

$$r = \sqrt[3]{\frac{2}{4\pi}} = \sqrt[3]{\frac{1}{2\pi}}$$

$$S''(v) = 4\pi + 4v^{-3} = 4\pi + \frac{4}{v^3} > 0$$
 MINIMUM

DOPOCÍTAME
$$h = \frac{1}{\pi (\frac{1}{2\pi})^{\frac{2}{3}}} = \frac{1}{\pi (\frac{1}{4\pi^2})^{\frac{1}{3}}} = \frac{1}{\pi (\frac{1}{2\pi^2})^{\frac{1}{3}}} = \frac{1}{\pi (\frac{1}{2\pi^2}$$



$$N = C. S. T^2$$

$$konstanta = charakterutka$$

$$drera$$

$$\sqrt{v^2} = 1 - \sqrt{2}$$

$$T^2 = 1 - \frac{1}{3} = \frac{2}{3}$$

$$N|A| = C.A.(1-A^2) = CA - CA^3$$

$$3\sqrt{2} = 1$$

$$A = \overline{\left[\frac{1}{3}\right]} = \overline{\prod}$$

$$N''(A) = -3C.2A = -6CA$$

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$$N''(\frac{\pi}{3}) = -6.c.\frac{\pi}{3} = -2c\pi \leq 0$$