ANL - Lista 3 (9) 4) 4 cos 2 x -3. = 0, wsx= + 13, x & { - 17 + 24 m, 17 + 24 m, 16 = 2} 4 cos2x - 3 = cos2x - sin2x - 2 sin2x= cos 2x-2sin2x = cos2 x cosx - 2sin3x cosx $\frac{\cos 2x \cos x - \sin 2x \sin x}{\cos x} = \frac{\cos (2x+x)}{\cos x} = \frac{\cos 3x}{\cos x}$ 6) x-3 (=-x-ercoto(x)= x-3(=-x-(=-adg(x))= x-3 (undg(x)-x) Rozenjeg soctopic): $\chi - \frac{\sqrt{3}}{3} + \frac{\sqrt{5}}{5} - \frac{\sqrt{2}}{2} + \dots$ $\left(\frac{\cot g(x)-x}{x^3}\right): -\frac{1}{3}+\frac{x^2}{5}-\frac{x^4}{7}$

(2)
$$a > 0$$
 $b > 0$ $a < 2 < 6^{2}$

$$-b + \sqrt{b^{2} - 4ec} \approx 0$$

$$b) 6 < 0 \qquad e < >> b^{2}$$

$$-b - \sqrt{b^{2} - 4ec} \approx 0$$

$$2 = b - \sqrt{b^{2} - 4ec} \approx 0$$

$$2 = (a) > 0$$

$$\frac{3}{3} \times = (v + \sqrt{q^{3} + v^{2}})^{1/3} + (v - \sqrt{q^{3} + v^{2}})^{1/3}$$

$$(v + b)^{1/3} + (v - b)^{1/3} + (v - b)^{1/3} + (v - b)^{1/3}$$

$$= (v + b)^{1/3} + (v - b)^{1/3} + (v - b)^{1/3} + (v - b)^{1/3}$$

$$= (v + b)^{1/3} + (v + b)^{1/3} + (v - b)^{1/3} + (v - b)^{1/3}$$

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ANL - Liste 3

$$\left| \frac{h}{x} - \frac{h}{x} \right| = \left| \frac{h}{x} \right| - \text{repleative string of the string of the$$

$$|S|(x) = x^{3} + 2020, \quad |I(x)| = 3x^{2}$$

$$|K(x)| = \left|\frac{x \cdot 3x^{2}}{x^{3} + 2020}\right| = \left|\frac{3}{1 + \frac{2070}{x^{2}}}\right|$$

$$|S|(x) = \left|\frac{\ln x}{x}\right| = \left|\frac{1 - \ln x}{\ln x}\right| = \frac{1 - \ln x}{\ln x}$$

$$|S|(x) = \left|\frac{x \cdot \left(\frac{1 - \ln x}{x^{2}}\right)}{\frac{\ln x}{x^{2}}}\right| = \left|\frac{1 - \ln x}{\ln x}\right| = \frac{1 - \ln x}{\ln x}$$

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$$|S|(x) = \frac{1 - \ln x}{\ln x}$$

$$|S$$

$$(x + \frac{1}{x}(1+\epsilon_{1}))(1+\epsilon_{2}) = (x+\frac{1}{x})(1+y)(1+\epsilon_{2})$$

$$x + \frac{1}{x} + \frac{\epsilon_{1}}{x} = x + \frac{1}{x} + y(x+\frac{1}{x})$$

$$|y| = \frac{\epsilon_{1}}{x^{2}+1} \le |\epsilon_{1}| \le 2^{-t}$$

$$|y| \le 2^{-t} |\epsilon_{2}| \le 2^{-t} |\epsilon_{1}| \le 2^{-t}$$

$$(x + \frac{1}{x}(1+\epsilon_{1}))(1+\epsilon_{2}) = (x + \frac{1}{x})(1+\epsilon_{1})$$

$$\begin{array}{lll}
& \text{ANL- Liste 3} \\
& I = \chi_1 \left(1 + \varepsilon_1 \right) \cdot \chi_2 \left(1 + \varepsilon_2 \right) \cdot \chi_2 \left(1 + \varepsilon_3 \right) \cdot \chi_1 \left(1 + \varepsilon_n \right) \\
& |\varepsilon_i| \leq 2^{-t} |\varepsilon_1| = 0 \\
& I = \prod_{i=1}^{n} \chi_i \left(1 + \varepsilon_i \right) = \left(\prod_{i=1}^{n} \chi_i \right) \left(\prod_{i=1}^{n} \chi_i \right) \left(1 + \varepsilon_i \right) \\
& I = \prod_{i=1}^{n} \chi_i \left(1 + \varepsilon_i \right) = \left(\prod_{i=1}^{n} \chi_i \right) \left(\prod_{i=1}^{n} \chi_i \right) \left(1 + \varepsilon_i \right) \\
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& I = \prod_{i=1}^{$$

bes zoloien = 0 $rd(x_i) = x_i$ $I = x_i (1+v_i) (1+\varepsilon_1) x_2 (1+v_2) (1+\varepsilon_2) ... x_n (1+v_n) (1+\varepsilon_n)$ $I = \prod_{i=1}^n x_i (1+v_i) (1+\varepsilon_i) = \left(\prod_{i=1}^n (x_i (1+v_i)) \prod_{i=1}^n (1+\varepsilon_i) = \left(\prod_{i=1}^n x_i (1+v_i)\right) (1+\varepsilon_i)$ $|\varepsilon_0| \neq 0 \quad |\varepsilon_i| \leq 2^{-t} |v_i| \leq 2^{-t} |\varepsilon| \leq (n-1)2^{-t}$