Vyrelisvom puelche funke Lovering last 2016/2017 +(x) = ln (x2-5x+6) o) + nom suda oni lika [f(-x) +f(x) +-f(x)] 1) Df x2-5x+6>0 (x-3)(x-2) 2/3 Df = (-00/2)U(3, +00) 2) limity or Georgian locatoch De a) lim ln (x2-5x+6) = lim log(y) = +00 I limbo storene funde lin x2-5x+6=lin x2(1-5+62)= 1) lim lm(x2-5x+6) = lim log(y) = +00 x>-00 - Limila strèse france lin x2-5x+6-lin x2(1-5x+62)= - lim x2. lim (1-5+6) = = +00 · 1 = +00

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lim ×2-5×+6 limber & Striene fundace |

lim ×2-5×+6 = 0 (+) => + ma svislou asymptohu xx=3 (Errore) d) lim log (x2-5x+6) = lim log (y) = 2 limite storené fundee lim x2-5x+6=04 => fma svislow asymptoh v x=2 (Elen) 3) pruseuly s osomi Py = [0; log (6)] = [0; 1,79] Px: log(x2-5x+6) = 0 = log 1 X2-5x+6=1 x2-5x+5=0 X112= 5 \$ 15 5 3,62 Px = 13,62; 03 Prz=[438;0]

4) cesymploty a) vtoo lim f(x) = lin log(x²-5x+6) = 0 = a lim $f(x) - 0x = \lim_{x \to +\infty} f(x) = +\infty = b$ $x \to +\infty$ neexislage B) N-00 lin f(x) - lin by (x2-5x+6) = 0 - a lim +(x) - 0x = lim +(x) = +0x=-B x->-0x = lim +(x) = +0x=-B necessly = necessly = necessly = 10x = $5) f(x) = \frac{1}{x^2 - 5x + 6} \cdot (2x - 5) = \frac{2(x - 5)}{(x - 2)(x - 3)}$ 6) monotonie 2 2,5 3 Ax (-0;2) (3;+0s) f(x)<0 (f(x) >0 f slesa | frosle 3424 7) low extremy - france both (extremy

8) Druke Drivosa $f'(x) = \frac{2(x^2-5x+6) - (2x-5)(2x-5)}{(x-2)^2(x-3)^2}$ $D_{+11} = (-0.2)$ $U(3; +\infty)$ $= 2x^{2} + 10x + 12 - 4x^{2} + 10x - 25$ $(x-2)^{2} (x-3)^{2}$ $\frac{-2 \times ^{2} - 13}{(x-2)^{2}(x-3)^{2}}$ -2 x 2 - 13 = 0 D=0-4(-2)(-13) 60 (-2x4-13 100 LO 9) hondonod honoeval

f'BCOIXEDE f honroom no colon De 10) grab 11) ober hadnol He= A (nalyra vied hodnol) 12) globólm exkem f neme zidný globěn setrem