24.6 $\quad f(t) = \dfrac{e^{(2,4-t)^2} + t + 30}{\underbrace{e^{(2,4-t)^2}}_{>0}}$ $\quad$ f jatk. ja deriv. R:ssä

$$f'(t) = \frac{1}{5} \cdot \frac{-10t^2 - 276t + 725}{e^{\left(-x+\frac{12}{5}\right)^2}} = 0 \quad \Big| \cdot 5e^{(\;)}$$

$$\Leftrightarrow -10t^2 - 276t + 725 = 0 \quad \Leftrightarrow t \approx \begin{cases} -30,015 \; ↯ \\ 2,4154 \end{cases}$$

	0		2,4154		12
f'		+		−	
f		↗		↘	

$f'(1) \approx 12,4 > 0$

$f'(3) \approx -26,9 < 0$

suurin arvo $f(2,4154) = 33,41$