

$$\begin{aligned}
 25. \quad \lim_{t \rightarrow 0} \frac{t}{\sqrt{4+t} - \sqrt{4-t}} &= \lim_{t \rightarrow 0} \frac{t(\sqrt{4+t} + \sqrt{4-t})}{(4+t) - (4-t)} \\
 &= \lim_{t \rightarrow 0} \frac{\sqrt{4+t} + \sqrt{4-t}}{2} = 2
 \end{aligned}$$