

Exercise 1 Suppose that $\lim_{t \rightarrow 4} b(t) = -1$, $\lim_{t \rightarrow 4} r(t) = 2$, and $\lim_{t \rightarrow 4} R(t) = 3$.
Compute the limit

$$\lim_{t \rightarrow 4} \frac{b(t)}{r(t) - R(t)} = \boxed{1}$$
