
7.4. $\lim_{n \rightarrow \infty} \left(\frac{n+1}{n^2+(n+1)^2} + \frac{n+2}{n^2+(n+2)^2} + \dots + \frac{k}{n^2+k^2} + \dots + \frac{7n}{50n^2} \right) = \dots$

7.5. $\lim_{n \rightarrow \infty} \left(\frac{n+1}{2n^2+(n+1)^2} + \frac{n+2}{2n^2+(n+2)^2} + \dots + \frac{k}{2n^2+k^2} + \dots + \frac{5n}{27n^2} \right) = \dots$

7.6. $\lim_{n \rightarrow \infty} \left(\frac{1}{3n^2+1} + \frac{2}{3n^2+4} + \dots + \frac{k}{3n^2+k^2} + \dots + \frac{3n}{12n^2} \right) = \dots$

7.7. $\lim_{n \rightarrow \infty} \left(\frac{n}{n^2+1} + \frac{n}{n^2+4} + \dots + \frac{n}{n^2+k^2} + \dots + \frac{n}{2n^2} \right) = \dots$

7.8. $\lim_{n \rightarrow \infty} \left(\frac{n}{3n^2+1} + \frac{n}{3n^2+4} + \dots + \frac{n}{3n^2+k^2} + \dots + \frac{n}{4n^2} \right) = \dots$

7.9. $\lim_{n \rightarrow \infty} \left(\frac{n}{3n^2+1} + \frac{n}{3n^2+4} + \dots + \frac{n}{3n^2+k^2} + \dots + \frac{n}{12n^2} \right) = \dots$

7.10. $\lim_{n \rightarrow \infty} \left(\frac{n}{3n^2+(n+1)^2} + \frac{n}{3n^2+(n+2)^2} + \dots + \frac{n}{3n^2+k^2} + \dots + \frac{n}{12n^2} \right) = \dots$
