Recall: Given a series $\sum_{k=1}^{\infty} a_k$, if $\sum_{k=1}^{\infty} |a_k|$ diverges, then the original series may converge or diverge.

But when you do the ratio test for $\sum_{k=1}^{\infty} |a_k|$, if $\rho > 1$ or $= \infty$, then you *can* conclude that the *original* series diverges!