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niso of a consider the root of the AR polynomial \phi(z) = 1 - 0.5z

z = 2 and |z| > \pm

So the process is causal.

Also Xt = 0.5 \times t - 1 + \omega t

\omega t = xt - 0.5 \times t - 1

= \sum_{j=0}^{\infty} \pi_j \times t^{-j}

\pi_i = -0.5

\pi_i = 0 + t^{-2}

So the process is investible also.
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