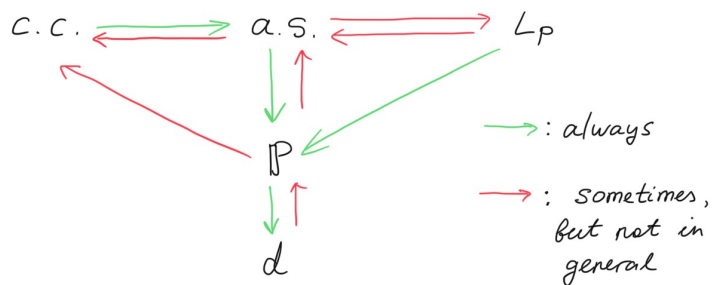
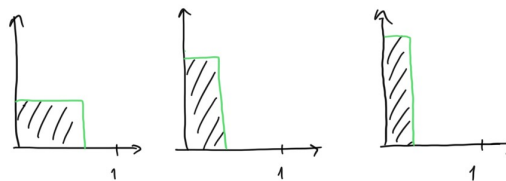


Convergence in pictures

"Reference" $\xi_n \xrightarrow{c.c.} \xi : \sum_n P(|\xi_n - \xi| > \varepsilon) < \infty, \varepsilon > 0$
 $\xi_n \xrightarrow{a.s.} \xi : P(\lim \xi_n = \xi) = 1$
 $\xi_n \xrightarrow{P} \xi : \lim_{n \rightarrow \infty} P(|\xi_n - \xi| > \varepsilon) = 0, \varepsilon > 0$
 $\xi_n \xrightarrow{L^p} \xi : \lim_{n \rightarrow \infty} E|\xi_n - \xi|^p = 0 \ (p > 0)$
 $\xi_n \xrightarrow{d} \xi : \lim_{n \rightarrow \infty} E e^{it\xi_n} = E e^{it\xi}, t \in \mathbb{R}.$

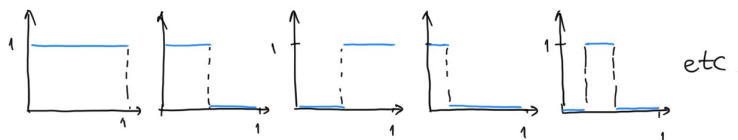


Growing pulse



the shaded area can stay constant, grow to infinity, or decay to zero, as desired.

Type writer sequence / running wave



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Econ / Math