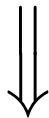
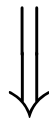


$$\mathcal{L}_\infty \implies \mathcal{L}_p \implies \mathcal{L}_{p'}, \, p' \in [1, p)$$



$$\text{a.s.} \implies \text{p} \implies \text{d} \implies \text{CDF (pointwise)}$$



$$\text{a.s. (subseq.)}$$