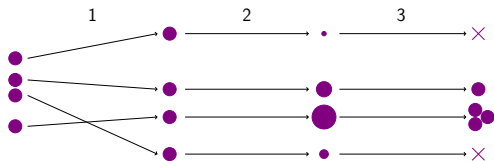


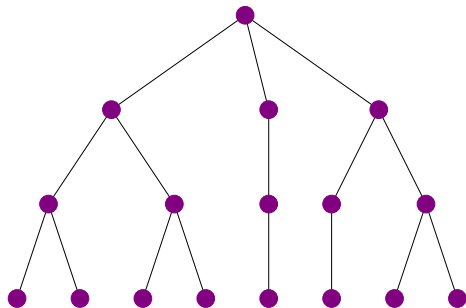
# Genealogies of Sequential Monte Carlo Algorithms

Suzie Brown

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Sequential Monte Carlo induces a genealogical process via resampling



What is the limiting process as number of particles  $N \rightarrow \infty$ ?