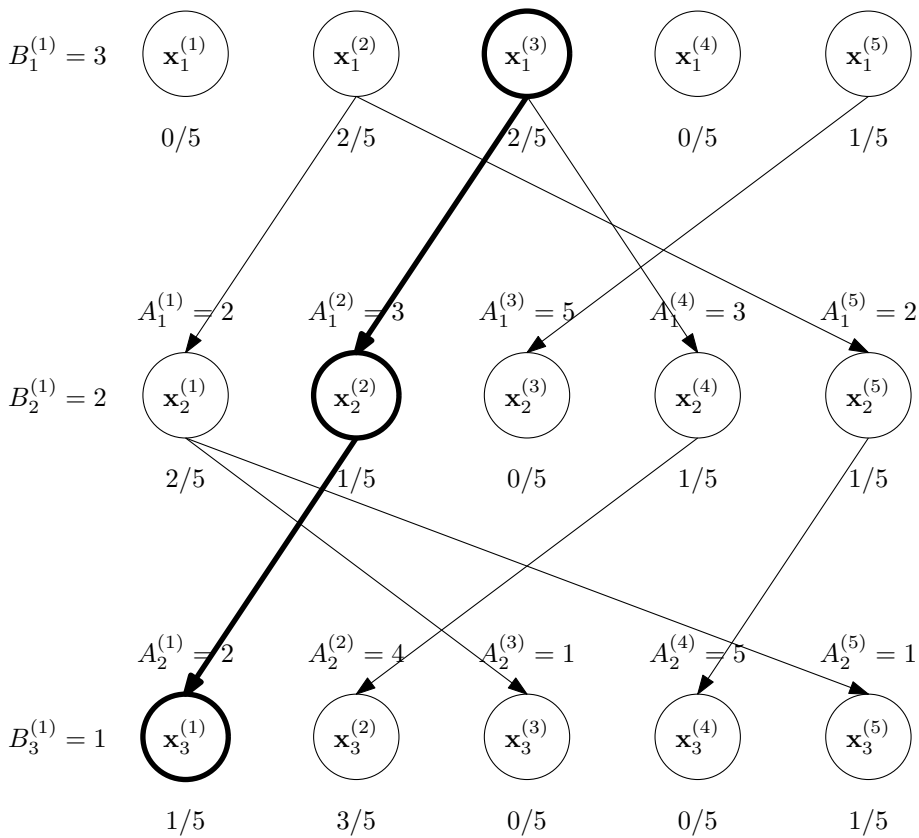


Particle filter

Calculate lineage of $\mathbf{x}_3^{(1)}$.



$$\mathbf{B}^{(1)} = (3, 2, 1)$$