# Particle filter
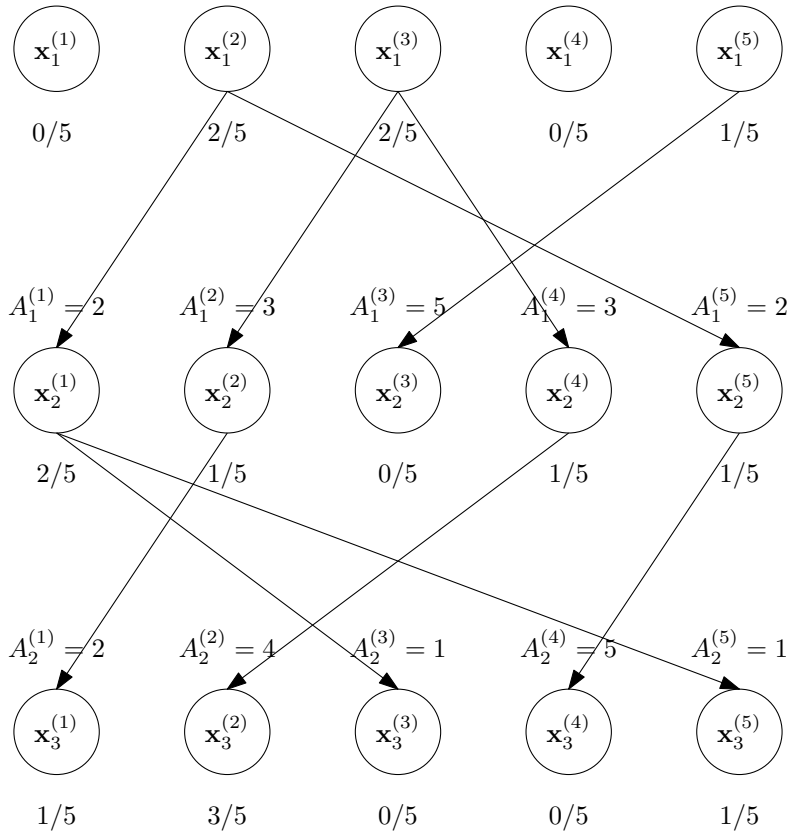
Calculate linage of the rest in similar way.



$$\mathbf{B}^{(1)} = (3, 2, 1)$$
$$\mathbf{B}^{(2)} = (3, 4, 2)$$
$$\mathbf{B}^{(3)} = (2, 1, 3)$$
$$\mathbf{B}^{(4)} = (2, 5, 4)$$
$$\mathbf{B}^{(5)} = (2, 1, 5)$$