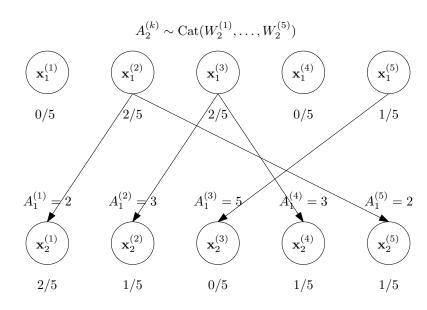
Particle filter

t = 3

Sample parents' indices of 3rd generation



$$A_2^{(1)} = 2$$
 $A_2^{(2)} = 4$ $A_2^{(3)} = 1$ $A_2^{(4)} = 5$ $A_2^{(5)} = 1$