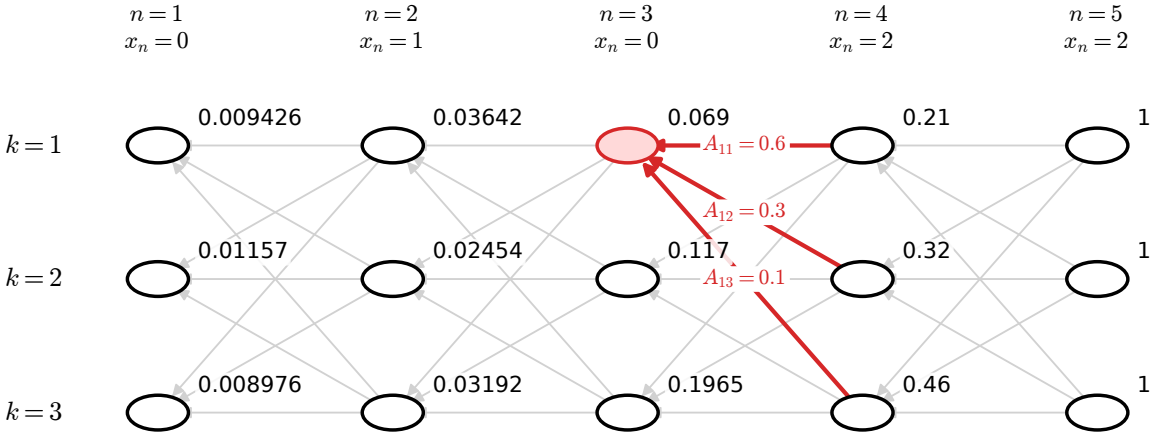
Backward recursion (13.38): the value next to each node is $\beta(z_{nk}) = p(x_{n+1}, \ldots, x_N | z_{nk} = 1)$



$$\beta(z_{3,1}) = \sum_k \beta(z_{4,k})\, p(x_4 | z_{4,k})\, A_{1k} = 0.21(0.1)(0.6) + 0.32(0.3)(0.3) + 0.46(0.6)(0.1) = 0.069$$