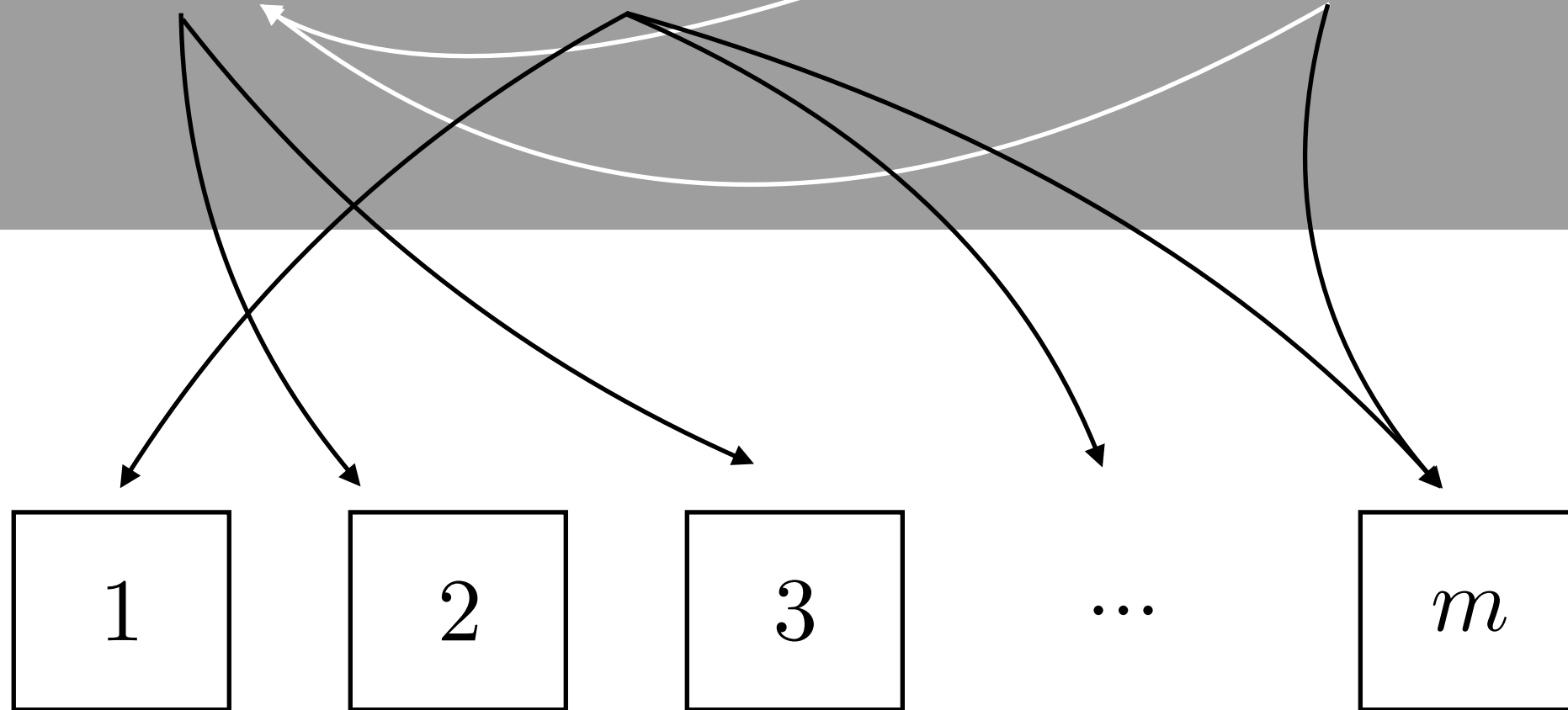


hidden state

$S_t = k$



observed state

$X_t = m$