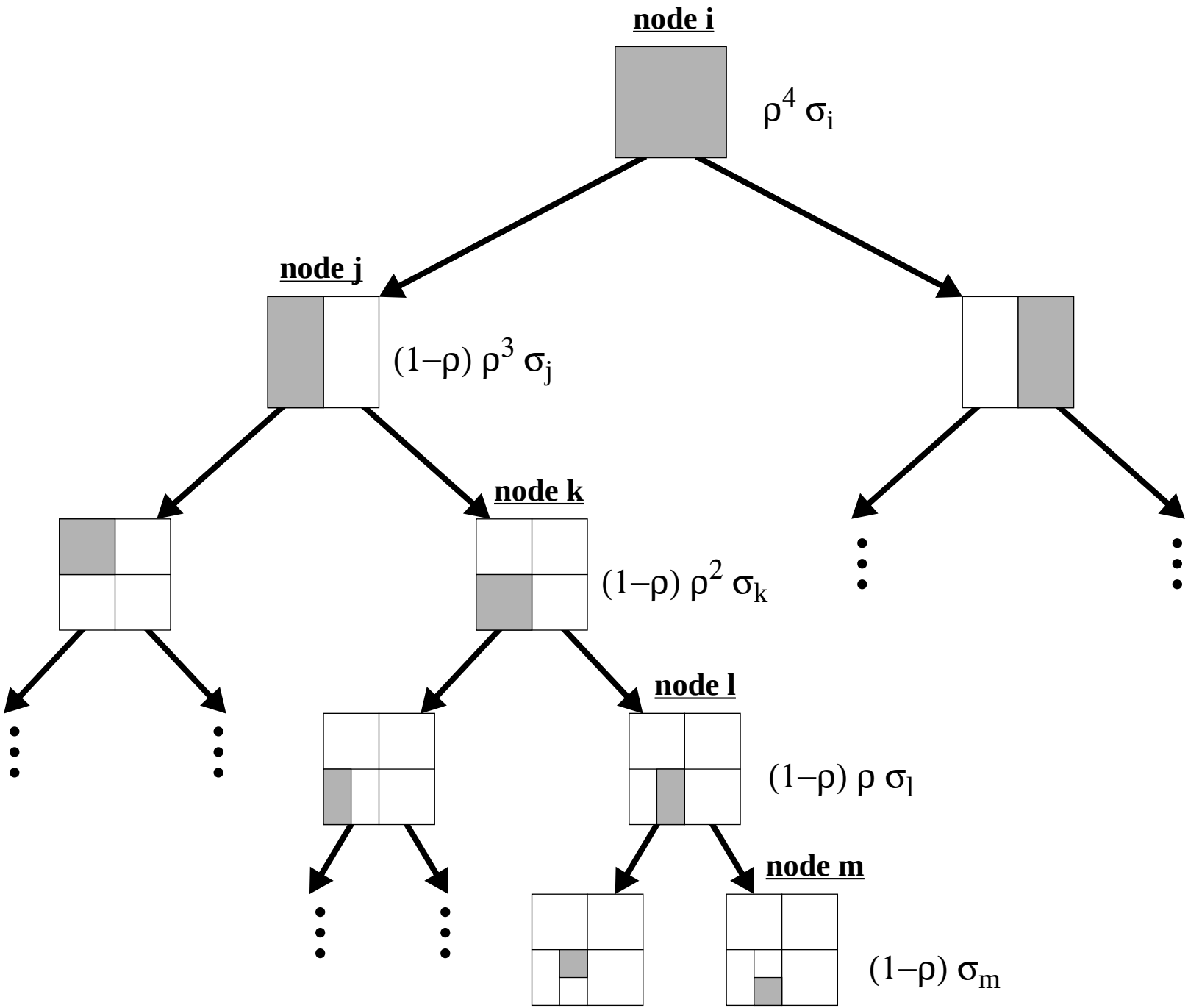
node i
$\rho^4 \sigma_i$
node j
$(1-\rho) \rho^3 \sigma_j$
node k
$(1-\rho) \rho^2 \sigma_k$
node l
$(1-\rho) \rho \sigma_l$
node m
$(1-\rho) \sigma_m$