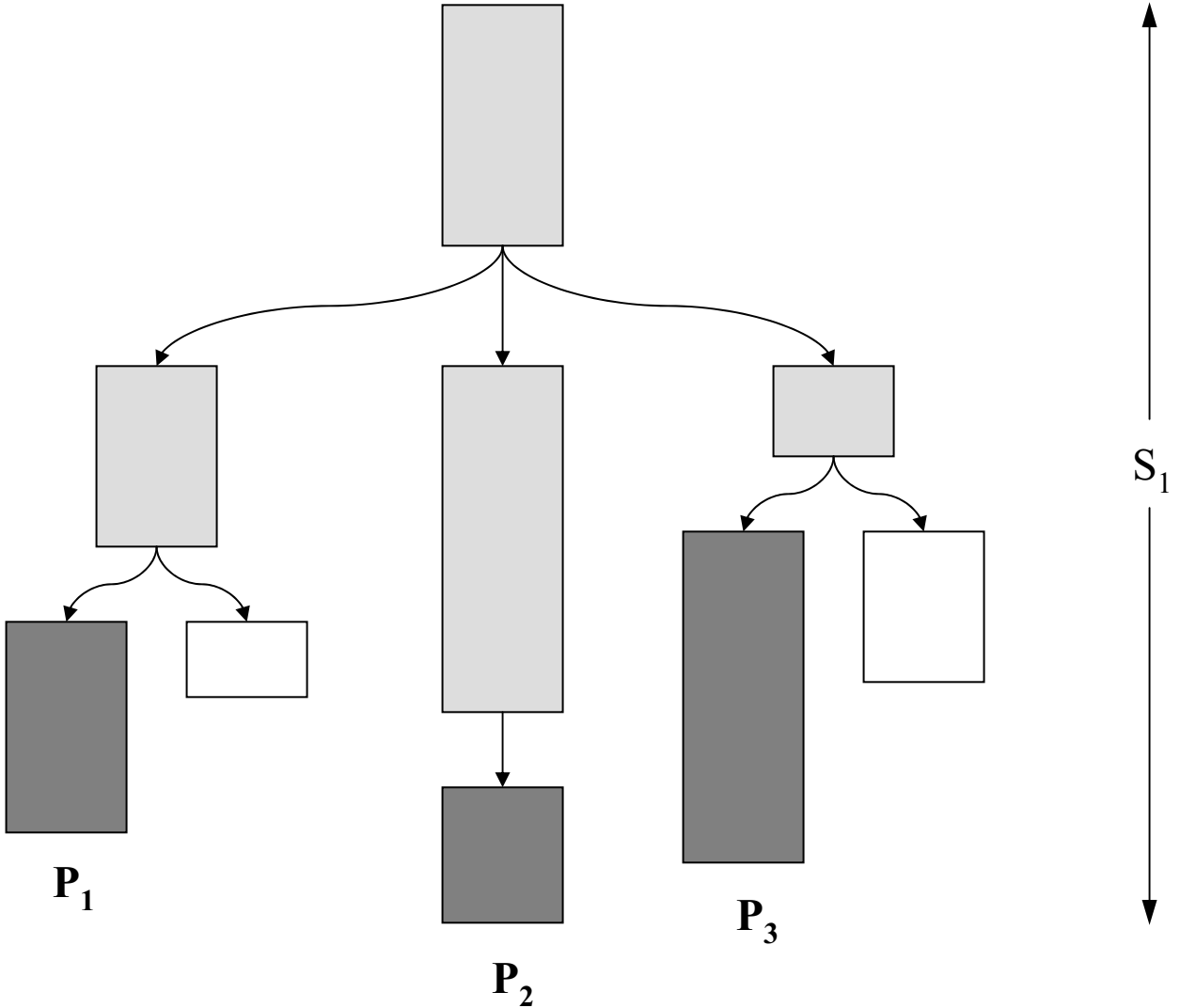
S_1
P_1
P_2
P_3