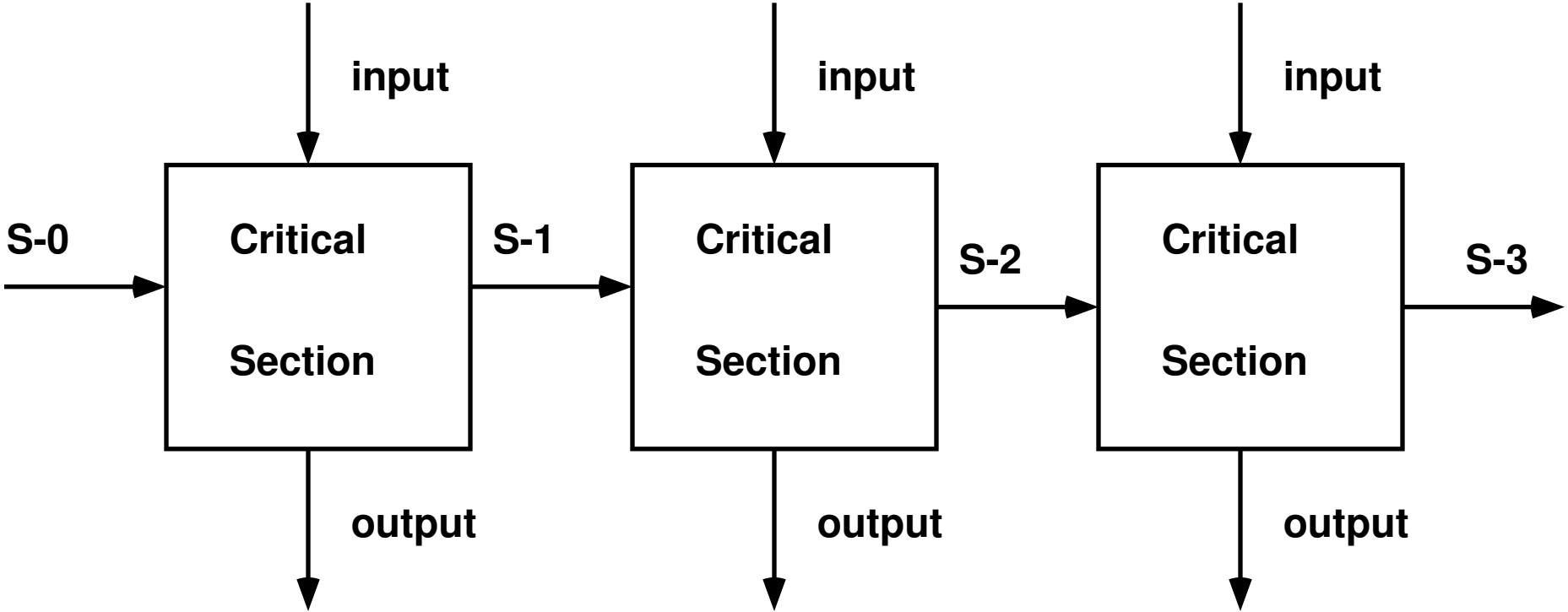
input
input
input
S-0
Critical
Section
S-1
Critical
Section
S-2
Critical
Section
S-3
output
output
output