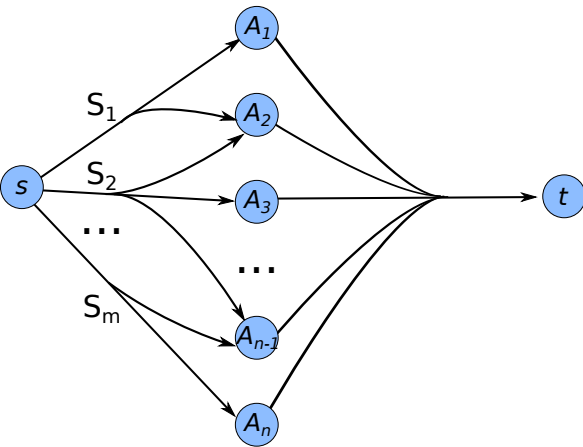
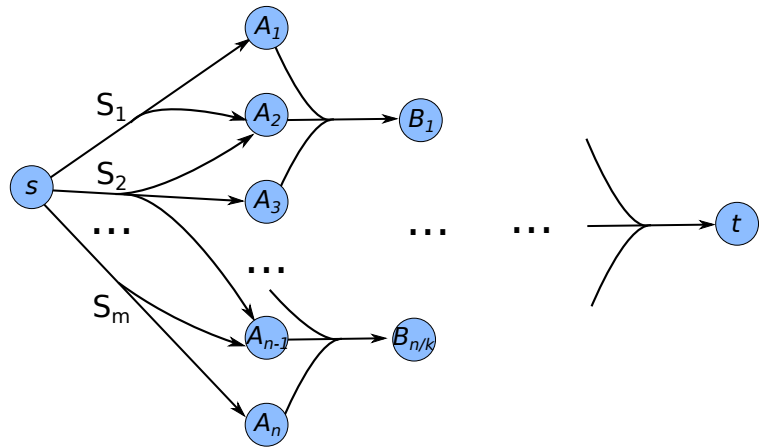


Reduction from
Minimum Set Cover



Reduction from
Minimum k -Set Cover



k -way tree of height $\log_k n$