function GENERAL-SEARCH(*problem*, QUEUING-FN) **returns** a solution, or failure

    nodes ← MAKE-QUEUE(MAKE-NODE(INITIAL-STATE[*problem*]))
    loop do
        if *nodes* is empty **then return** failure
        node ← REMOVE-FRONT(*nodes*)
        if GOAL-TEST[*problem*] applied to STATE(*node*) succeeds **then return** *node*
        nodes ← QUEUING-FN(*nodes*, EXPAND(*node*, OPERATORS[*problem*]))
    end