type graph = bool [n,n];
chan probe[n](graph spanningTree; message m);

process Node[p = 0 to n-1] {  
    graph t; message m;
    receive probe[p](t, m);
    for [q = 0 to n-1 st q is a child of p in t]  
        send probe[q](t, m);
}

process Initiator { # executed on source node S  
    graph topology = network topology;
    graph t = spanning tree of topology;
    message m = message to broadcast;
    send probe[S](t, m);
}

Figure 9.9  Network broadcast using a spanning tree.