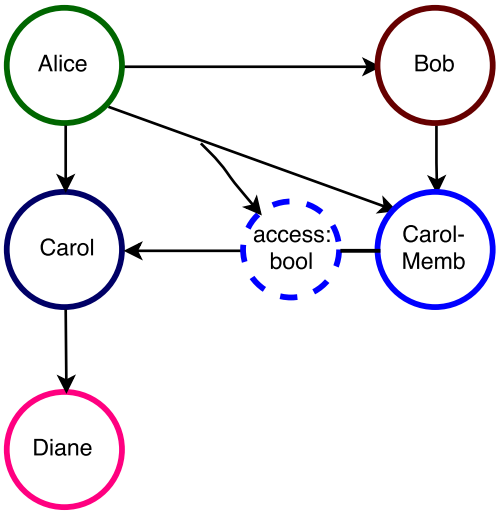
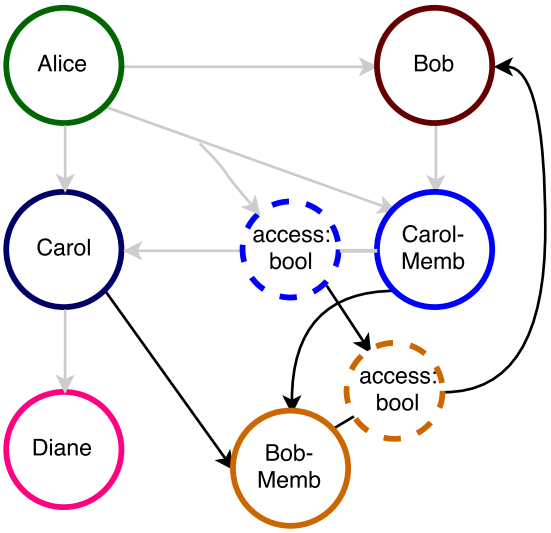
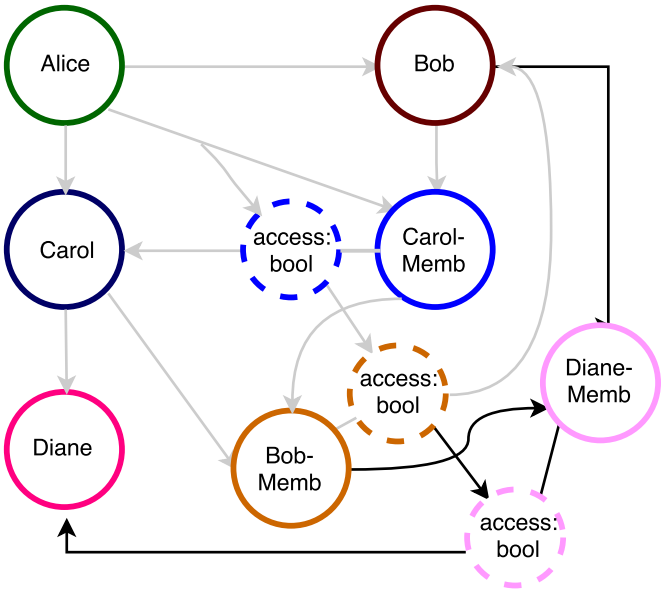
1) Initially, Alice is endowed with the capabilities of Bob and Carol, and Carol endowed with the capability of Diane. Alice wants to let Bob speak to Carol, so she creates a membrane for Carol (Carol-Memb) and passes it to Bob. Bob can now speak to Carol through the Carol-Memb.



2) Bob sends Carol his capability, but Carol-Memb detects that a capability is passed in a message, and wraps Bob's capability with a new membrane (Bob-Memb) and forwards Bob-Memb to Carol. Carol can now speak to Bob, but only through Bob-Memb.



3) Carol then sends Diane's capability to Bob, but Bob-Memb wraps Diane's capability with a new Diane-Memb and forwards it to Bob.



4) When Alice, who is the owner of Carol-memb and has the capability to lock the access:bool of Carol-memb, disables the access of Carol-memb, the lock can propogate to Bob-Memb, and Diane-Memb, ensuring that both Bob and Carol can no longer communicate to each other and to all other subsequent capabilities passed between them, including Diane. **This reverts the access graph back to the initial endowment configuration (Alice, Bob and Carol still have capabilities to the membranes but they are now locked).** The red dotted circle represents the entire membrane-chain that sits between Carol and Bob