

1. Alan proposes to car of possible-mates, Agnes. She is not engaged yet, so she just says yes.

2. Bob proposes, starting with Agnes. She doesn't like Bob more than her current-husband, Alan, so she says buzz-off. He moves to Bertha, who says yes because she is unengaged.

3. Charles starts proposing, also starting with Agnes. She does like Charles better than Alan, so she dumps Alan and says yes to Charles. Alan is back on the list of unengaged-proposers. Agnes will now say no to everyone else because Charles is her ideal mate and first on her preference-list.

4. David starts proposing. Agnes says no. Bertha says no (she likes Bob her current guy more). Carol says yes because Carol is unengaged too.

5. Ernest starts proposing. Agnes says no. Bertha says no. Carol says yes because she likes Ernest better than David. David is dumped. Alan and David are on the list of divorced/unengaged proposers.

6. Franklin starts proposing. Agnes says no. Bertha still likes Bob better. Carol says yes. Alan, David, and Ernest are still unengaged.

1. Alan doesn't have Agnes on his list of possible-mates anymore, so he starts with Bertha.

No one is left unengaged at the end b/c anyone who is dumped (by the women) goes back onto the list of unengaged-proposers^a. And because any women who are unengaged automatically say yes to the first proposer, the algorithm will automatically

Keep going until everybody
has a mate.