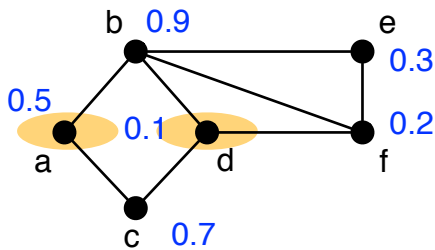


pick random numbers



identify local minimum



$I = \{a, d\}$



updated graph