

Feb 6

Stable Matching

$n=2$

$M = \{BP, BBT\}$

$W = \{JA, AJ\}$

Preference list  $\circ$

$L_{BP}: AJ > JA$

$L_{BBT}: AJ > JA$

$L_{JA}: BP > BBT$

$L_{AJ}: BP > BBT$

Def (Pref. list)  $\circ$

$\forall m \in M, L_m$ : a total ranking of all  $n$  women

$\forall w \in W, L_w$ : a total ranking of all  $n$  men.

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Def (Stable Matching): A perfect matching with no instability.