(define men-preferences-1

'([abe abi eve cath ivy jan dee fay bea hope gay ]

[bob cath hope abi dee eve fay bea jan ivy gay ]

[col hope eve abi dee bea fay ivy gay cath jan ]

[dan ivy fay dee gay hope eve jan bea cath abi ]

[ed jan dee bea cath fay eve abi ivy hope gay ]

[fred bea abi dee gay eve ivy cath jan hope fay ]

[gav gay eve ivy bea cath abi dee hope jan fay ]

[hal abi eve hope fay ivy cath jan bea gay dee ]

[ian hope cath dee gay bea abi fay ivy jan eve ]

[jon abi fay jan gay eve bea dee cath ivy hope]))

(define women-preferences-1

'([abi bob fred jon gav ian abe dan ed col hal ]

[bea bob abe col fred gav dan ian ed jon hal ]

[cath fred bob ed gav hal col ian abe dan jon ]

[dee fred jon col abe ian hal gav dan bob ed ]

[eve jon hal fred dan abe gav col ed ian bob ]

[fay bob abe ed ian jon dan fred gav col hal ]

[gay jon gav hal fred bob abe col ed dan ian ]

[hope gav jon bob abe ian dan hal ed col fred]

[ivy ian col hal gav fred bob abe ed jon dan ]

[jan ed hal gav abe bob jon col ian fred dan ]))

(match 'bob '((fay . jon) (dee . col) (gay . gav) (bea . fred) (jan . ed) (ivy . dan) (eve . hal)) men-preferences-1 women-preferences-1 '(cath hope ian abi abe))

((#f . dan) (bea . fred) (dee . col) (eve . hal) (fay . bob) (gay . jon) (ivy . gav) (jan . ed))

((#f . dan) (bea . fred) (dee . col) (eve . hal) (fay . jon) (gay . gav) (ivy . dan) (jan . ed))

((bea . fred) (dee . col) (eve . hal) (fay . bob) (gay . jon) (ivy . gav) (jan . ed))

((bea . fred) (cath . bob) (dee . col) (eve . hal) (fay . jon) (gay . gav) (ivy . dan) (jan . ed))