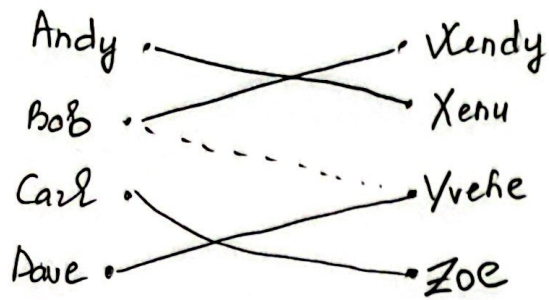


# Gale Shapley Algorithm for stable matching:



Example:

A	<del>X</del>	X	Y	Z
B	Y	X	<del>X</del>	Z
C	<del>X</del>	Y	X	Z
D	<del>X</del>	Z	<del>X</del>	Y

X	B	D	C	<del>A</del>
X	C	<del>A</del>	<del>B</del>	B
Y	B	C	D	A
Z	A	B	D	C

Assumptions:

- Equal number of elements in each set
- Every element must be paired
- Every element must be paired to an element in the opposing set.
- Preference lists have a strict ordering.