

EXERCISE

(STABLE MATCHING PROBLEM)

Stable matching problem

- Consider a **stable matching problem** with
 - ▣ Three men X, Y, Z
 - ▣ Three women A, B, C
 - ▣ The preferences are on the right
- What is the **matching** obtained by applying **Gale-Shapley (GS) algorithm**? Describe all the steps of GS.

X: $C > A > B$

Y: $C > A > B$

Z: $C > A > B$

A: $X > Y > Z$

B: $Z > Y > X$

C: $Y > Z > X$