

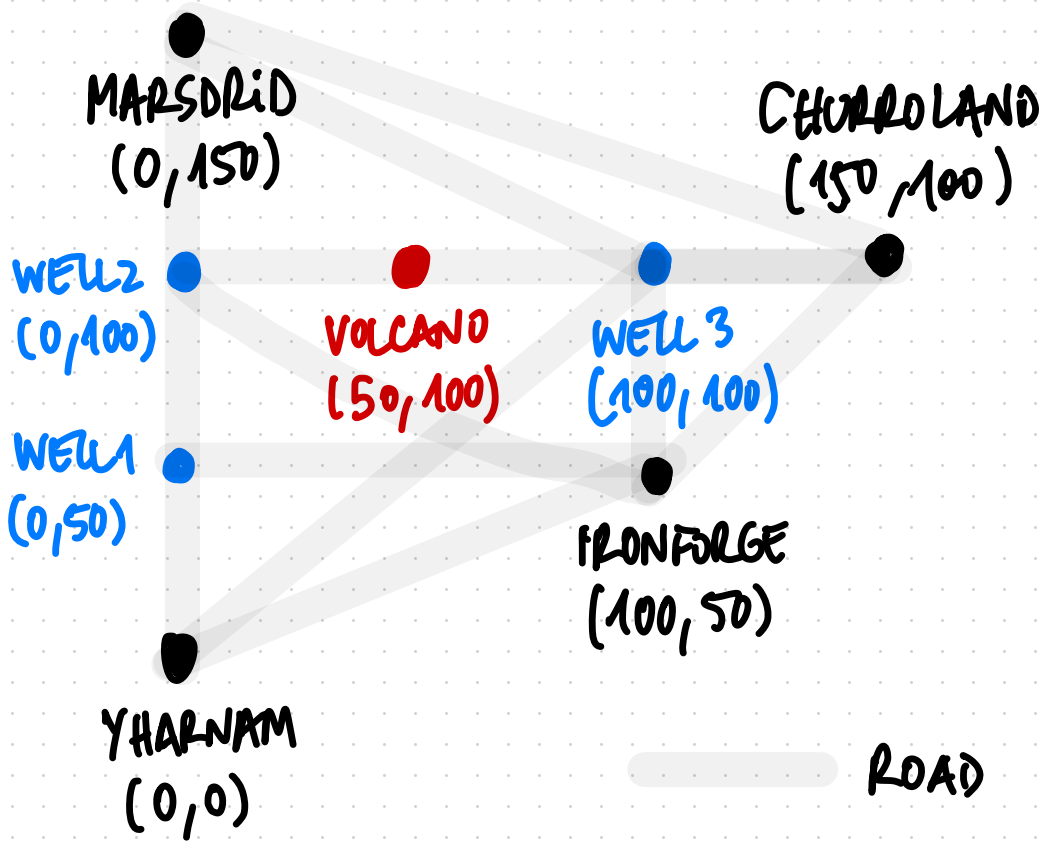
WELCOME TO

MARS!

Including:

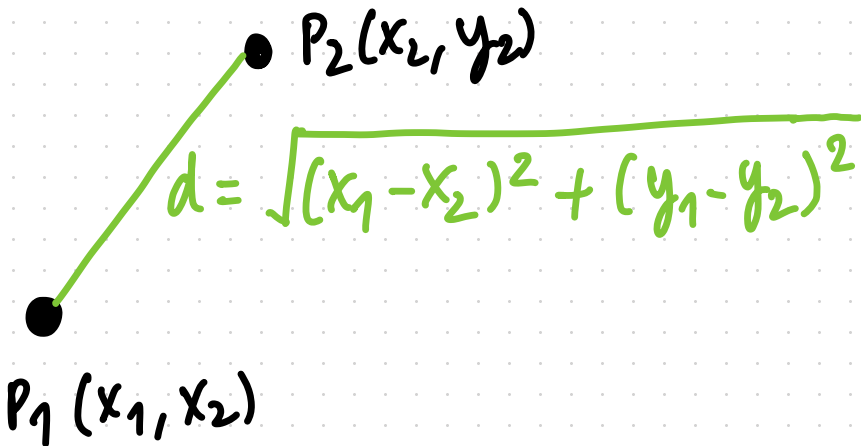
- Map
- How to calculate distances
- How to evacuate (if needed)

MAP OF MARS COLONIES



CALCULATING DISTANCES

Given two points — P_1 and P_2 — where each point is defined by its coordinates (x, y) , then we can calculate the distance as:

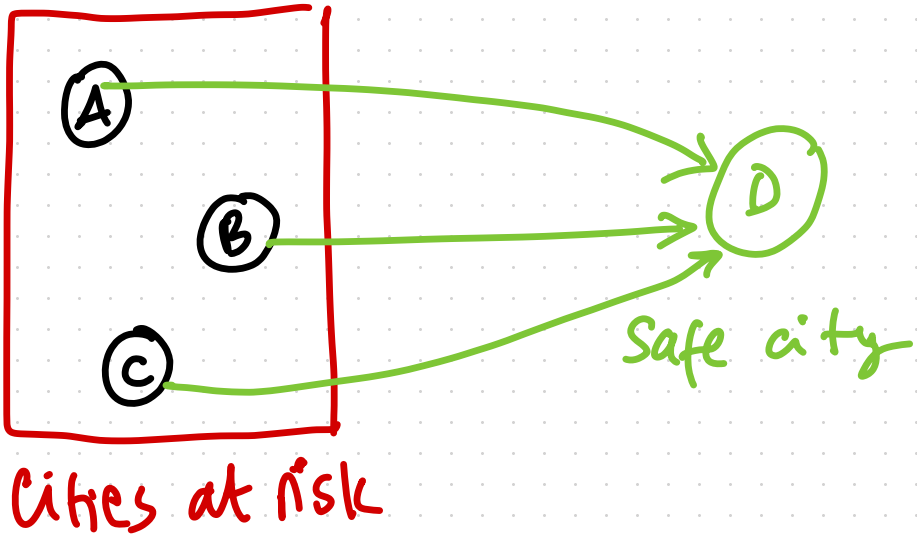


A diagram illustrating the distance between two points. Two black dots represent points P_1 and P_2 . A green line segment connects them. The point P_1 is at the bottom left and is labeled $P_1(x_1, y_1)$. The point P_2 is at the top right and is labeled $P_2(x_2, y_2)$. To the right of the line segment, the distance formula is written in green: $d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$.

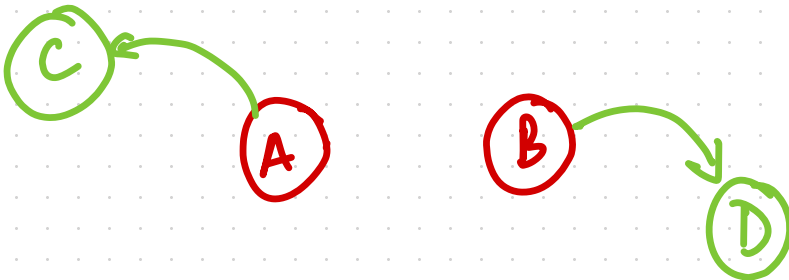
$$d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

EVACUATION OPTIONS

- ① EVACUATE ALL POPULATION AT RISK TO A SINGLE SAFE CITY



- ② EVACUATE EACH CITY AT RISK TO THEIR CLOSEST SAFE CITY

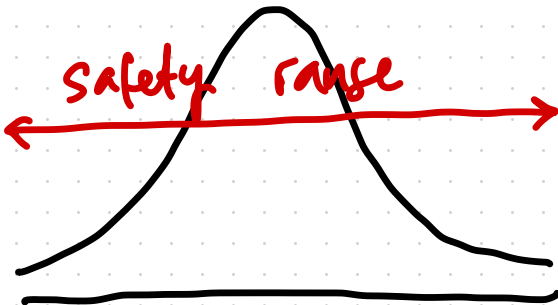


Extra Material and tips

* There are many ways to do each exercise

* The thinner the distribution of grades, the easier it is to fall in the lower grades.

* Grade distribution becomes thinner if you share your work



vs.

