Q 1: Which distance metric is usable for distances between keys?

A: Manhattan I think is more logical metrics when we are finding another keys

Q 2.1: Would you need a particular data structure to represent the keyboard layout?

A: Yes we need data structure to found the password

Q 2.2: Would this structure be needed permanent or once we calculate the distances between keys, could it be replaced by another structure?

A: I think we need to hold the data structure because If the coordinate of the keyboard change password might not be precise as before.

Q 3: Suppose we decided to map each key to a list of valid moves (ie. other keys with 2 to 3 distance). What kind of Java data structure be the best suited for this?A: Not sure but Manhattan is still best I think.

Q 4: Write pseudocode (or Java code) for creating an 8 character password using the data structure you suggested.A: *Shown in the video*

Q 5: Compute the list of valid moves for for the following keys: a, f, h, 8, 0, and p.

A: *Shown in the video*