you are going to implement BFS (Breadth First Search).

Your program is expected to support the following operations:

- You have two files named cities.txt and graph.txt.
- The cities of Turkey is written in the **cities.txt** file in an ordered way according to their plate. (81 cities)
- In the **graph.txt** file, the neighbourhood of this cities are represented. (81 x 81 matrix)

0 represents Not Neighbour 1 represents Neighbour

Explanation:

Assume that cities.txt file has the following:

Α

В

C

D

Assume that graph.txt file has the following:

0 1 0 1 0 1 0 0 0 0 0 1 1 0 0 0

That means;

	Α	В	C	D		Α -
Α	0	1	0	1	Which represents	В -
В	1	0	1	0		c -
С	0	1	0	1		D -
D	1	0	1	0		

A is neighbour to B and D
B is neighbour to A and C
C is neighbour to B and D
D is neighbour to A and C

- Your goal is to show the neighbourhood levels for a cities of Turkey. (**Hint:** BFS)
- You can use either adjacency matrix or graph representation.

Example Run:

Please select a city to see the neighbourhood level: Ankara				
Neighbourhood Level 1				
Afyon Bolu Cankiri Eskisehir Kirsehir Konya Aksaray Kirikkale	Level 1 represents the direct neighbourhood.			
Burdur Denizli Isparta Kutahya	Level 2 represents the neighbourhood that you can reach from the Level 1 neighbours of a given city.			
Usak Bilecik Sakarya Zonguldak Duzce Corum				
Kastamonu Karabuk Nevsehir Yozgat				
Antalya Mersin Nigde Karaman				
Neighbourhood Level 3				
Mugla Aydin Manisa				

Balikesir
Bursa
Kocaeli
Bartin
Amasya
Samsun
Sinop
Kayseri
Sivas
Tokat
Adana
Neighbourhood Level 4
Izmir
Canakkale
Yalova
Istanbul
Ordu
Kahramanmaras
Erzincan
Giresun
Malatya
Hatay
Osmaniye
Neighbourhood Level 5
Edirne
Tekirdag
Kirklareli
Adiyaman
Gaziantep
Bingol
Elazig
Erzurum
Gumushane
Tunceli
Bayburt
Trabzon

Kilis
Neighbourhood Level 6
Sanliurfa
Mus
Agri
Artvin
Kars
Rize
Ardahan
Mardin
Batman
Neighbourhood Level 7
Bitlis
Van
Igdir
Siirt
Sirnak
Neighbourhood Level 8
Hakkari

- You can check your solution with this output for Ankara.
- You can benefit from the BFS implementations in the following links:
- https://www.geeksforgeeks.org/breadth-first-search-or-bfs-for-agraph/
- https://www.geeksforgeeks.org/implementation-of-bfs-using-adjacency-matrix/