Dash – problem solving

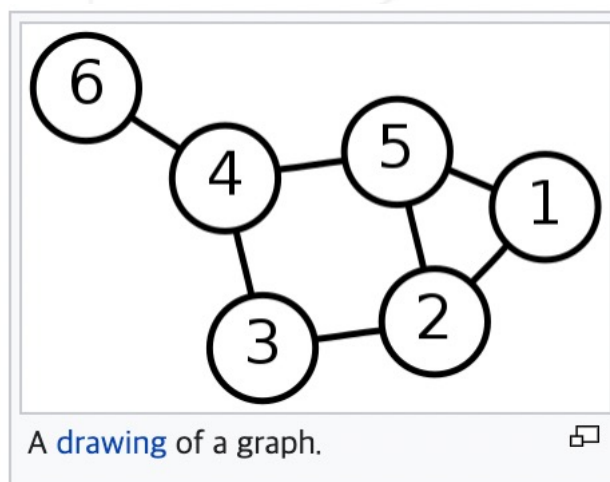Summary: this document is the subject for the dash @ 42Seoul.

Contents

Chapter 1
Foreword

This project focuses on solving problems and aims to develop a diverse perspective on problems.

Chapter 2

Objective

A drawing of a graph.

In Graph Theory, Depth First Search (DFS) and **BFS (Bread First Search) account for many parts.

In fact, it is a technology that is used as a base for navigation in many places, such as finding alignment (Quick, Merge) and shortest distance (Navigation).

Chapter 3

Instructions

- include c99-Wall-Wextra-Werror for the build option.

- I strongly recommend using global variables

- There are limitations for each question, so please read Red Box carefully

- We don't keep normal.

- You can use scanf.

Chapter 4

Exercise 00 : villages

	Exercise 00
permutation	
Turn-in directory : ex00/	
Files to turn in : villages.c	
Allowed function : write	

N * N maps are present. One is where the house is, and zero is where the house is.

Houses connected by East, West, South, and Bok can be talked about as a village, so write a program to find the number of villages.

3 <= N <= 50

input:
6
111111
100100
011111
011001
100111
101110

input:
7
0111100
0101000
0010110
0100111
0101000
1000010
1101110

output:
2

output:
7

Chapter 5

Exercise 01 : Go home

	Exercise 01
	more permutation
Turn-in directory : ex01/	
Files to turn in : go_home.c	
Allowed function : write	

Exercise 01:

SSJ of "Sgang", "Seungyel", and "Johokim" could not pass through "exam05" and decided to enter the maze and conduct a closed tube training. After finishing the closed coffin training, Seung-yel tried to leave the maze, but his memory was poor, so he forgot the exit of the maze.

Please let Seungyel escape the maze before he dies.

N * M maze is given. (2 <= N, M <= 50)
Find the shortest path to the coordinates of [N - 1, M - 1], which is located at [0, 0].

input:
5 5
11111
10001
10001
10001
11111

output:
9

input:
5 7
1111111
1010101
1010111
1010111
1111101

output:
11