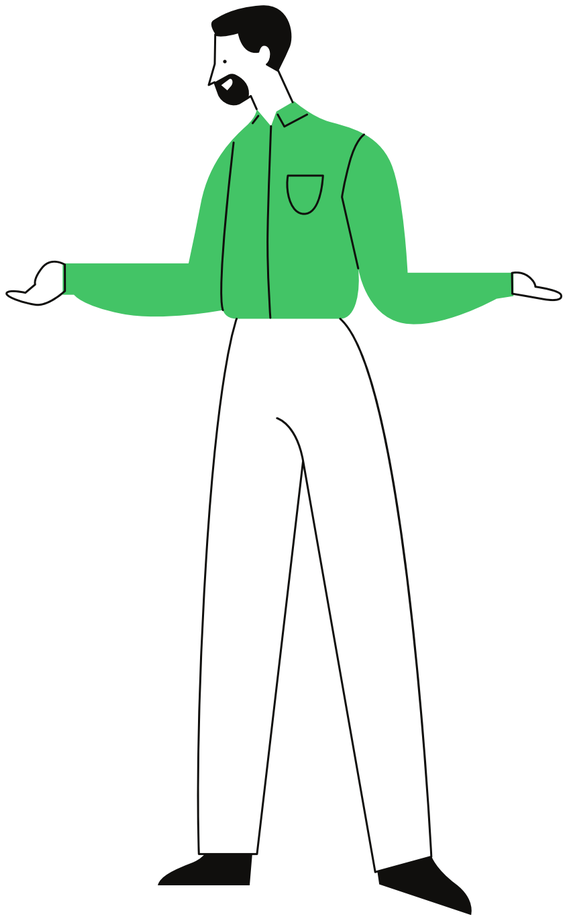
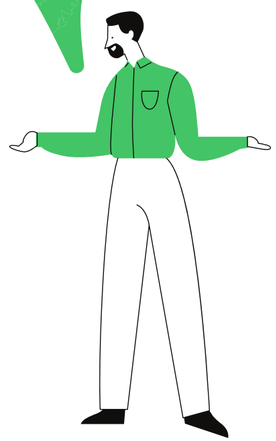
Algorithm project

Undirected Graph



Algorithm project

Hello everyone, what is an Undirected graph?

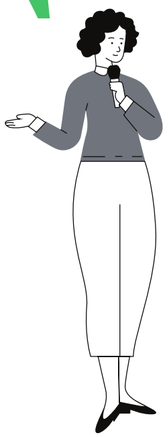


Mitya

Hi, I'll google it.

Aru

I will watch lectures.



Kami

Let's break it down together!

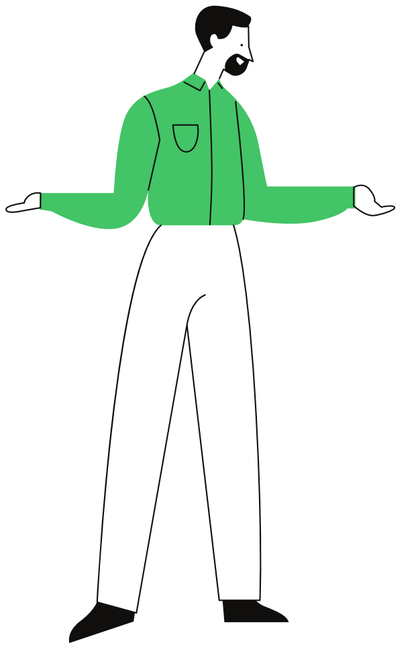
Tomi

Algorithm project

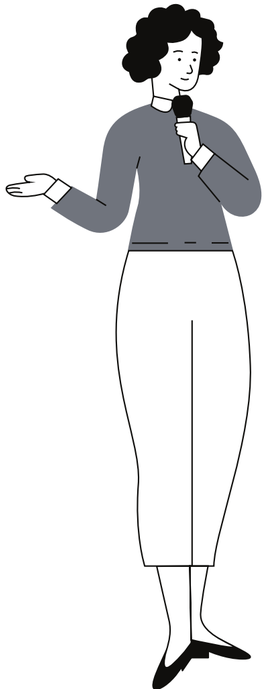
Hmm, Google says: "An undirected graph is graph, ie, a set of objects (called vertices or nodes) that are connected together, where all the edges are bidirectional. An undirected graph is sometimes called an undirected network. In contrast, a graph where the edges point in a direction is called a directed graph. "

Algorithm project

What about a lecture?



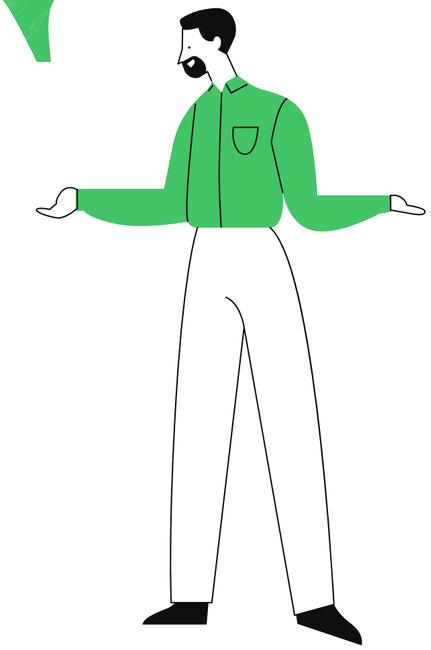
The lecture reads: "UNDIRECTED GRAPHS: an undirected graph G (V, E) is a set of vertices and edges where the edges are bidirectional. It means that edge (u, v) is identical to the edge (v, u) "and" Note: the edges may have weights as well! ".



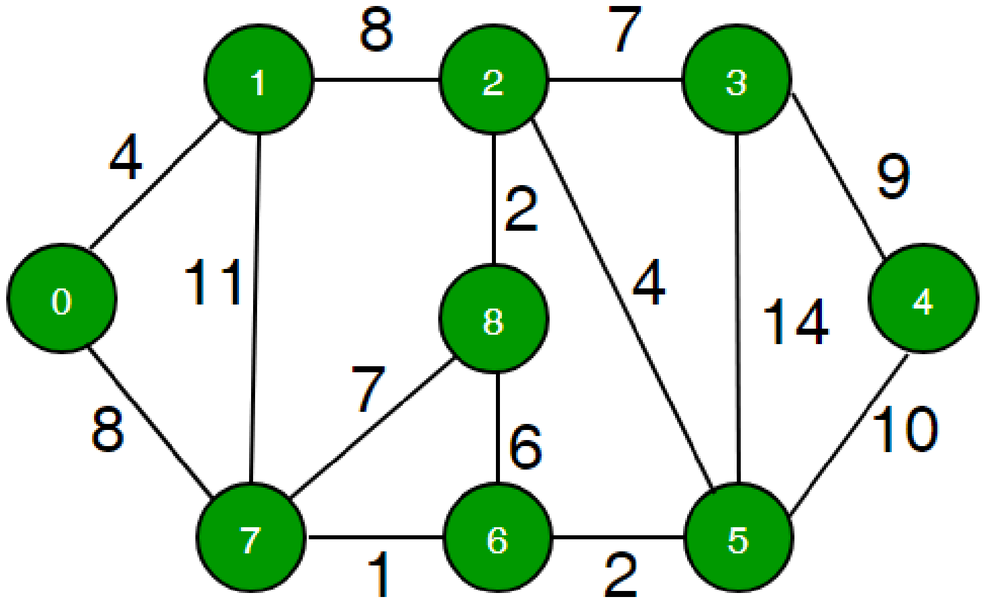
Algorithm project

It turns out UNDIRECTED GRAPHS is when the nodes are connected to each other, where all the edges are bidirectional.

What will it look like?

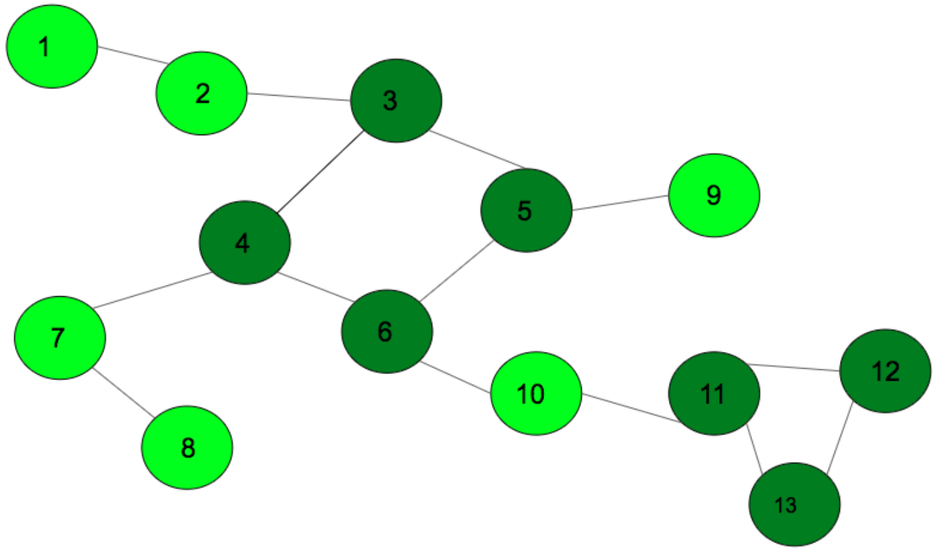


Algorithm project



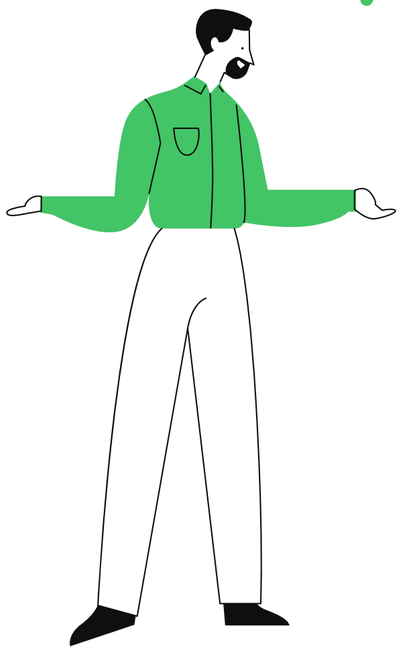
1

2

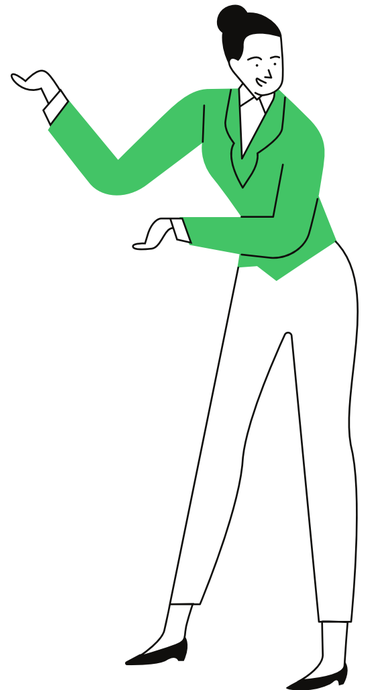


Algorithm project

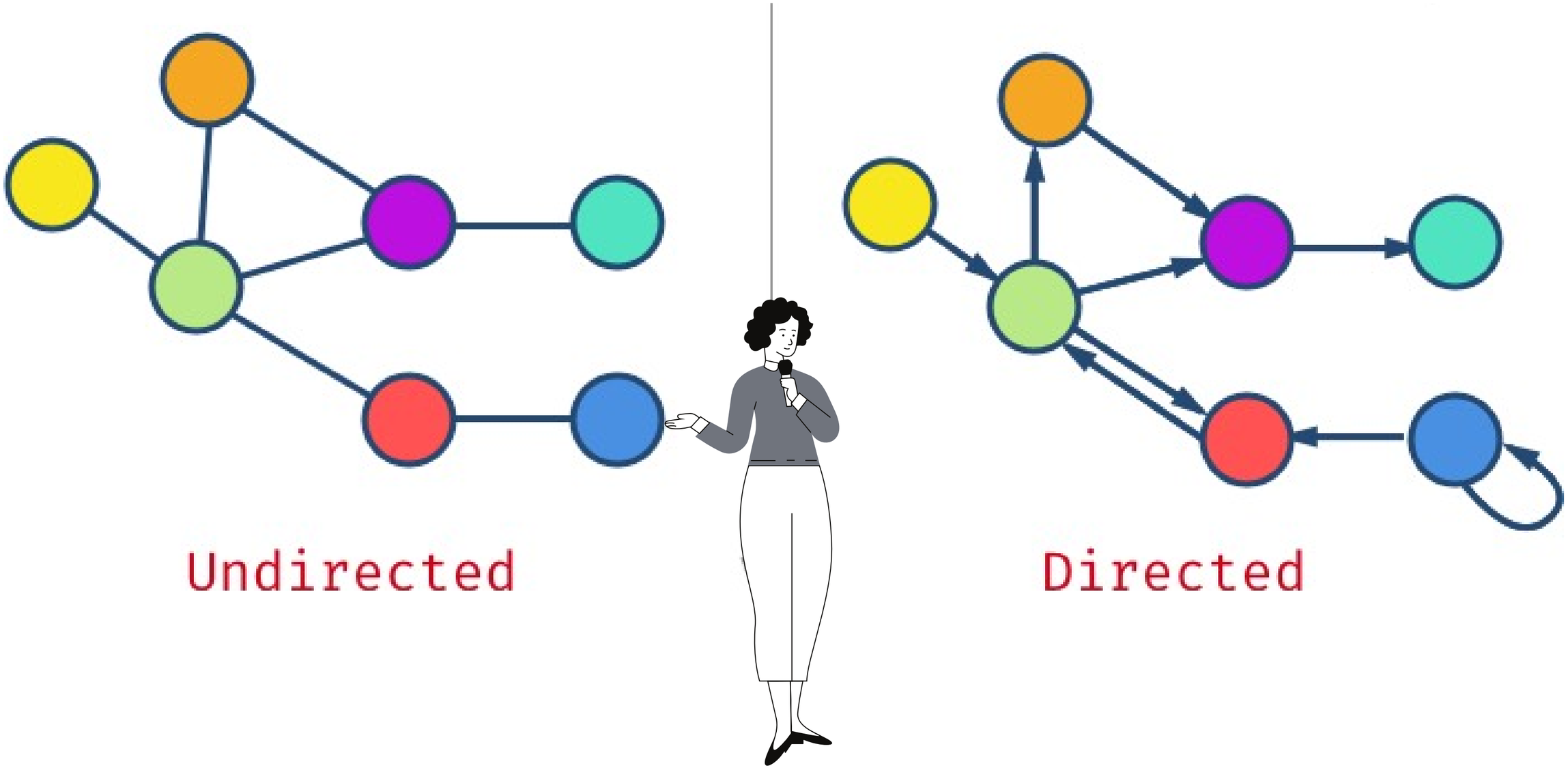
How to distinguish from directed?



The main difference between a directed and undirected graph is that a directed graph contains an ordered pair of vertices, while an undirected graph contains an unordered pair of vertices. A graph is a non-linear data structure that is a graphical structure of a set of objects linked by links.



Algorithm project



We're done!

Thanks for the explanation!
To consider coding you can follow the link above from Mitya!