



# Top-down approach

J2YB- Challenge 0

# Agenda

01

## **What is it?**

Introduction about top-down approach in general

02

## **How to use?**

Introduction how to use top-down approach

03

## **How to apply**

Show how I apply top-down approach to do this assignment



# **1. What is top-down approach**



The way we see a  
problem in the top-  
down approach





# General idea for the top-down approach



## **A systematic strategy**

Top-down approach is a problem-solving that starts with high-level overview and gradually breaks down the process into smaller

## 2. How to use top-down approach

- **Problem Definition**
- **Decomposition**
- **Sequential Resolution**

# Problem Definition

- **Begin by clearly understanding and defining the problem at a high level.**
- **Identify the key objectives and parameters involved in addressing the issue.**

# Decomposition

- Break down the main problem into smaller, more manageable sub-problems.
- Organize these sub-problems hierarchically, creating a structured overview of the problem space.



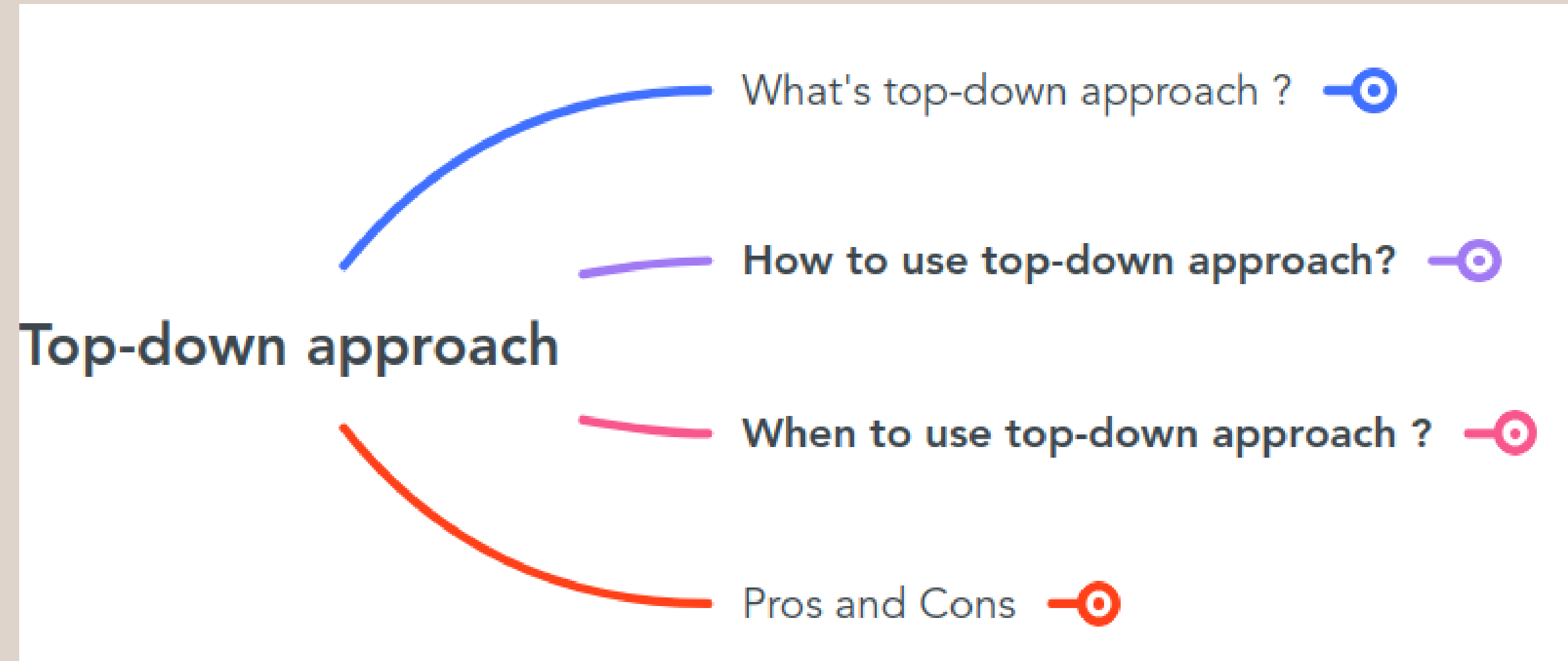
# Sequential Resolution

- **Address the most significant or fundamental sub-problems first.**
- **Systematically work through the hierarchy, resolving each level of detail in a step-by-step manner until the entire problem is successfully solved.**



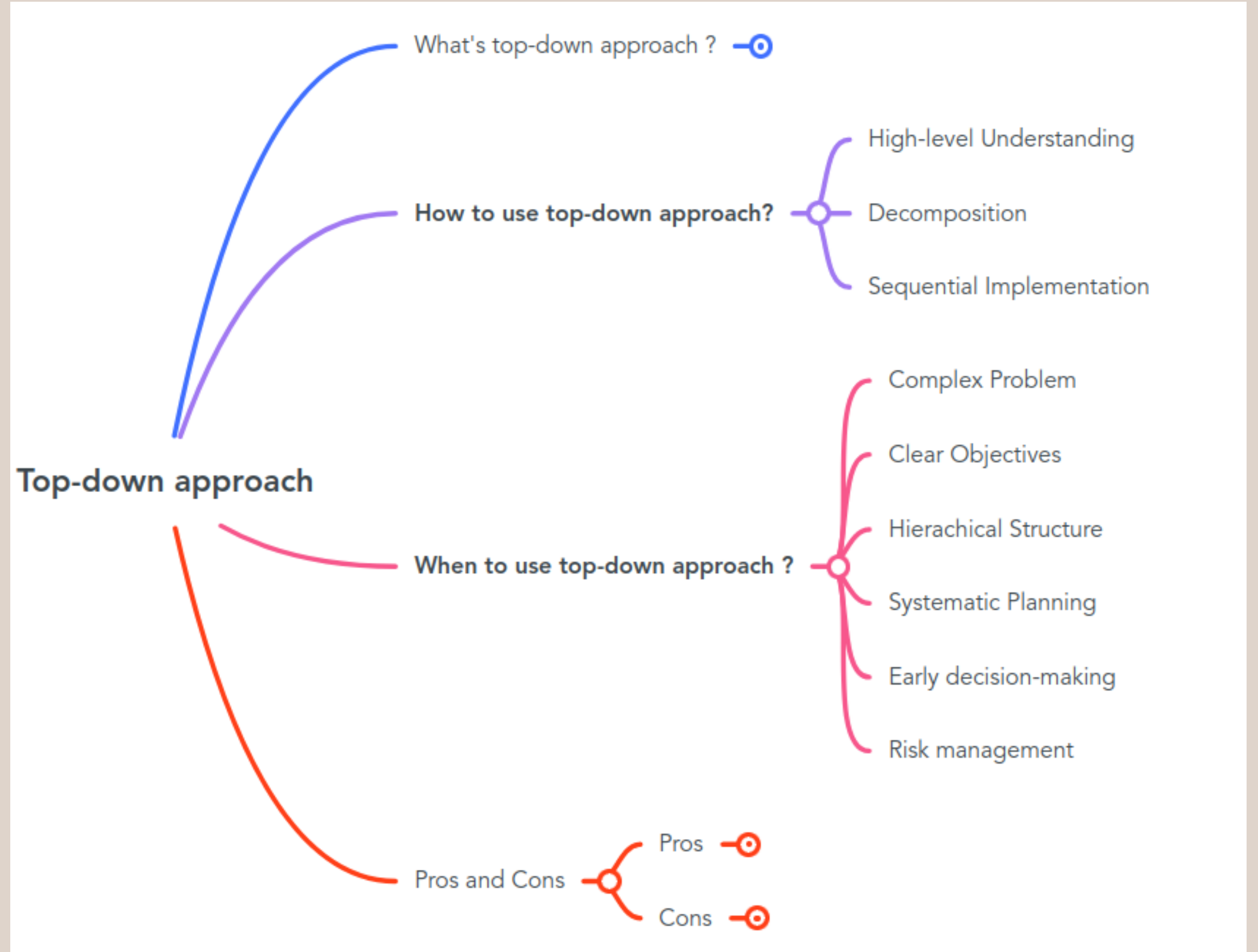
### **3. How I apply top-down approach**

## 1. Defining Problem at high-level

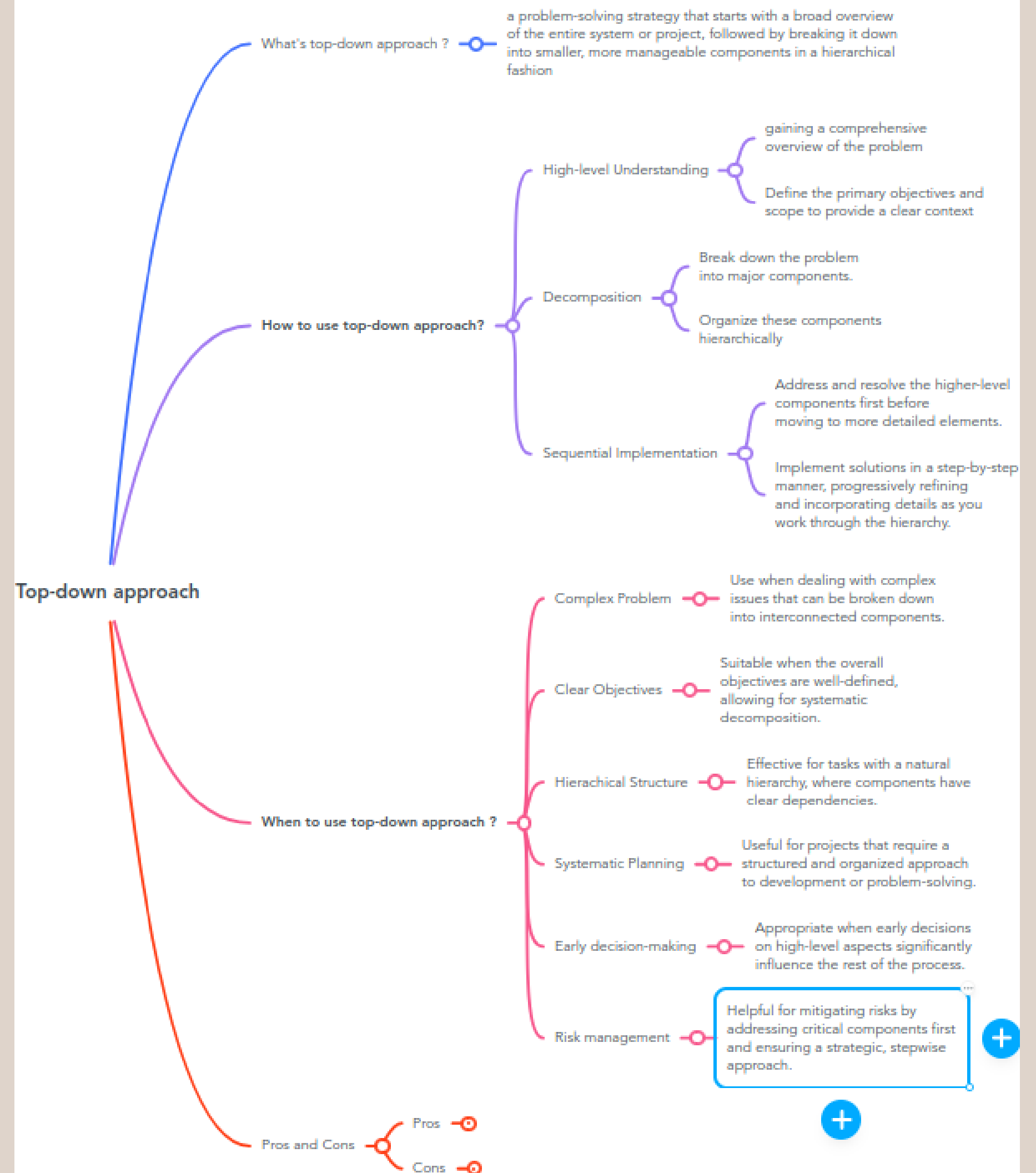




## 2.Decomposition



### 3.Sequential Resolution



THANKS FOR WATCHING