Read the problem and find out the various processes, their streams and associated components.

Make the process workflow with all the processes and streams labelled according to the convention. e.g. AlijB, [ijA, Bli].

Let number of Streams be Ns Let number of components be Nc

Total Variable are Ns x Nc

Make a table of Ns columns and Nc rows and determine the most appropriate parameter that can be used to analyse the problem.
e.g. n for gases.

Check all streams to find any known variables: i.e. if all components are present in each stream.

Find out the independent material balance for each process, usually it is the number of components involved in the process.



