Part 1:

I like to start from the most challenging parts, so I'm going to tigure out this problem, starting from the logic to find the dependencies

We are going to save the libraries and its dependencies using a literal object call dependencies Table

Given an str, tirst we need to separate them in lines, so:

lines: List = str. splice ("In")

Every line should contain the tollowing pattern

Iw depends on lut"

It some line doesn't tollow the pattern it will be discarded

Now with all the lines validated you going to tigure out how to store them.

Motice that we can do this right away after verifing the line to avoid traversing the list again

So we look up to. The library and

their dependencies with space?

the words depends on could be used as a separator

match = line split (" depends on ")

library = match [0]

dependencies str = match[]

dependencies : dependencies\_stv. split(" ") This should be a set to avoid duplication

So we add library as a key and the dependencies as its value

dependencies Table[library]= dependencies

with this clone we can tollow the next step

Part 2:

Now I'm going to figure at how to find the nested solutions, and here is when using a literal object is really convenient

de pendencies lable "A": ["B", "("] "B": ["(", "E") "(":["G"]
" 0":["A","F"] "E": ["F"] "F": ["H"]

(A) 2 (B) 2 (D) 2 (B)

Il seems that we can use iteration and recursion

find All Libraries ( Key, ob), path, origin) for library in degendency table. Mays find All Library ), library) path add (Key)

it key not in objective - recursive care it key == origin :

tor K in obj [key]
find All Libraries (K, obs, path, origin) obj[origin] = path

Something important to notice before start!

For example, it we have the following string

A->BCEEGH AyBC B > CEF 6H C > G B > ( E Č >G D-> ABCEFGH DAF EOFH モット FOH トッH imput output

Notice that their values are ordered alphabetically

This is not exactly a matter of concern. But there's
some incertify of how other people would make their own test

Just by this I'll make the bajic for ordering using lexicon

. Also we need to avoid circular dependency