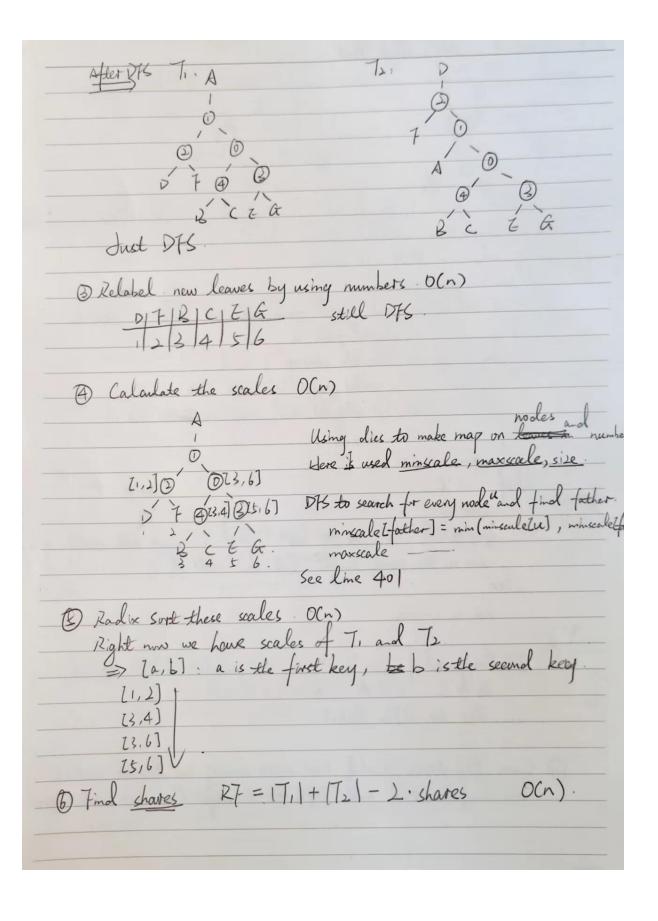
Interpretation of my implementation of Day's algorithm 1985: Author: Zhang Leyi, Master's in Aarhus University BiRC 2022-04-20

CONTRACTOR OF THE CONTRACTOR O
Aib Project 4. Day's Alice than
A:B Project 4: Day's Algo, ithm. Compute RT Distance for two unmoted trees. In newick format. D. A. B. F. A.
D, AB & A
The state of the s
THE GOVERNMENT OF GOVERNMENT O
1 (((D:,7:):,A:):,(B:,(C:):,(E:,G:):): E To (((A:,7:):,D:):,(B:,C:):,(E:,G:):)
O Store there two unroled trees. O(n)
def unnot Leader (newick)
Read each symbol and letter i from right to laft, in newick
if i == ')' # should push in.
using not to store the strings I read.
if na == "", only sush") into <1.
else push 's' into SI and push na into S).
elifi==',' # A,B
elif i=='('
push in
pop andil ',' # pop both SI and SI and all about 1
pop antil ',' # pop both SI and SI and all strings poped are in the same layer (A,B) => \$2
- Chie
$n\alpha = i + n\alpha$
In along elif i== 101 we co will (A 2)
In along elif i=='(', we can put (A: B:) Ci into adjancy A>C. C>A, B>C, C>B
Smee two trees should have same names in leaves and
one leaf as vivit and DHS to bransfer them into until a
Desince two trees should have same names in leaves, select one leaf as rul and DTC to transfer them into ruled tree.



2T-distance = Ti + Ti - Deshaves