
Algorithm ConsistentSplitsFromRankedList

Require: An ordered list of M splits, $\mathcal{R} = [R_1, R_2, R_3, \dots, R_3, \dots, R_M]$

$\mathcal{C} = [R_1]$

for each split i in $[2, 3 \dots M]$ **do**

$\mathcal{T} \leftarrow \mathcal{C} + R_i$ \triangleright where ‘+’ means concatenating 2 lists

if BUILD(\mathcal{T}) does not return null **then**

$\mathcal{C} \leftarrow \mathcal{T}$

end if

end for

return \mathcal{C}
