

$A_1(T, T')$

collapse T, T' , thus creating T_r, T'_r

$$d_{\text{RSPR}}(T, T') = 0$$

while T_r not identical to T'_r

$t, t' \leftarrow$ subtrees in T_r, T'_r , minimal solvable common clusters

$$d_{\text{RSPR}}(T, T') = d_{\text{RSPR}}(T, T') + A_2(t, t', 0)$$

t, t' in T_r, T'_r are collapsed and replaced with identically labelled leafs

return $d_{\text{RSPR}}(T, T')$