
Algorithm 4 AdjustDivision(K)

- 1: calculate ΔQ from pairs of connected communities
 - 2: **while** maximal $\Delta Q > 0$ **do**
 - 3: select the maximal ΔQ
 - 4: join the pair of communities with the maximal ΔQ
 - 5: update the ΔQ matrix
 - 6: **end while**
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