

B: Bye Bye Bilbo

Problem author: Jannik Olbrich

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Given a tree, find a minimal subset of nodes, such that every node has distance less than k to this subset.

- Solve the problem greedily. Consider a node with maximum depth u .

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- Solve the problem greedily. Consider a node with maximum depth u .
- Walk up $k - 1$ steps to the node v and add v to the subset.
- Remove the subtree rooted at v and repeat all the steps.