

The diagram illustrates the steps of Huffman tree construction. It shows four stages of a binary tree being built from 16 leaf nodes (I-P). Stage 1: Initial tree with root A, children B and C. B has children D, E, F; C has children G, H. D has children I, J; E has child K; F has child L; G has children M, N; H has children O, P. Stage 2: Tree after merging L and M into a new node L. Stage 3: Tree after merging N and O into a new node N. Stage 4: Final tree after merging P and Q into a new node P.

- Breakout mates names and emails: