0.08 0.10 0.12 0.15 0.20 0.35
A B C D E F

Initial Forest

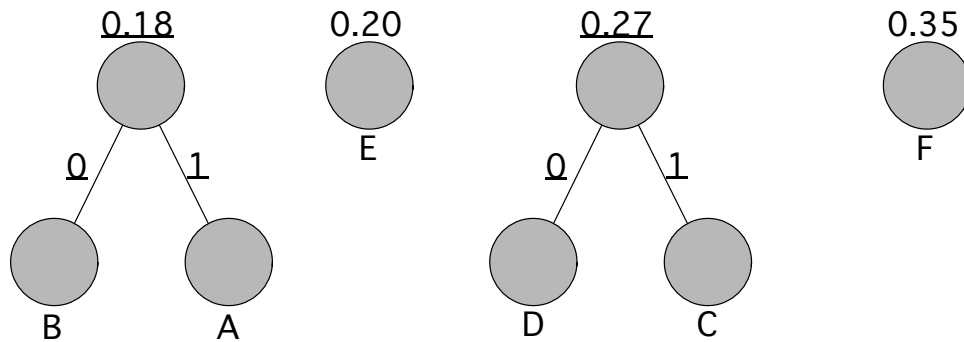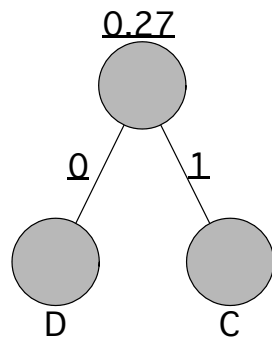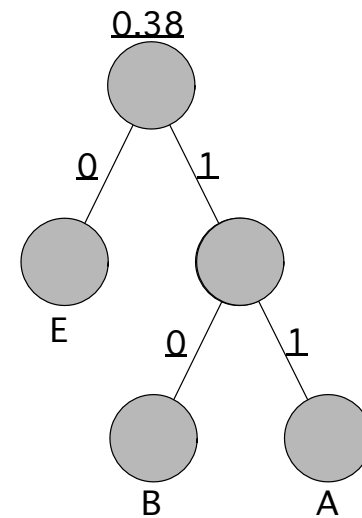0.12 0.15 0.18 0.20 0.35
C D E F
0 1
B A

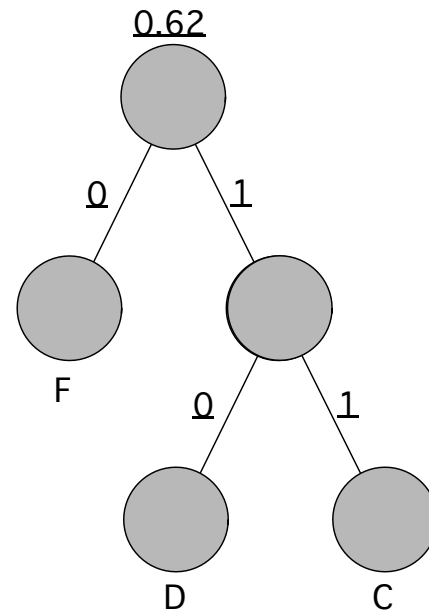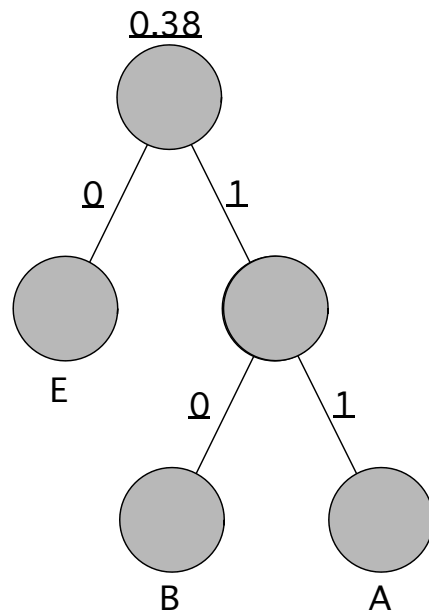Step 1: combine low value nodes into a binary tree; higher frequency value in left node

0.18 0.20 0.27 0.35
0 1 E 0 1 F
B A D C

Step 2: combine low value nodes into a binary tree

Step 3: combine low value nodes/trees into a binary tree

0.27 0.35 0.38 0.38
0 1 F 0 1 0 1
D C E 0 1 E 0 1
B A B A
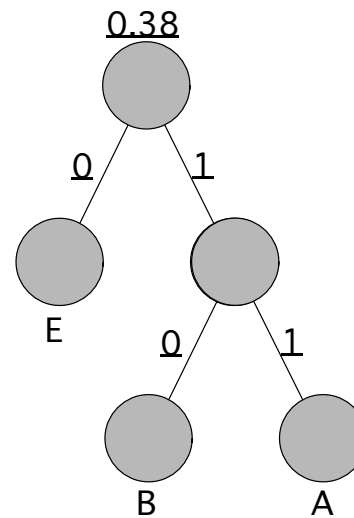
Step 4: combine low value nodes/trees into a binary tree
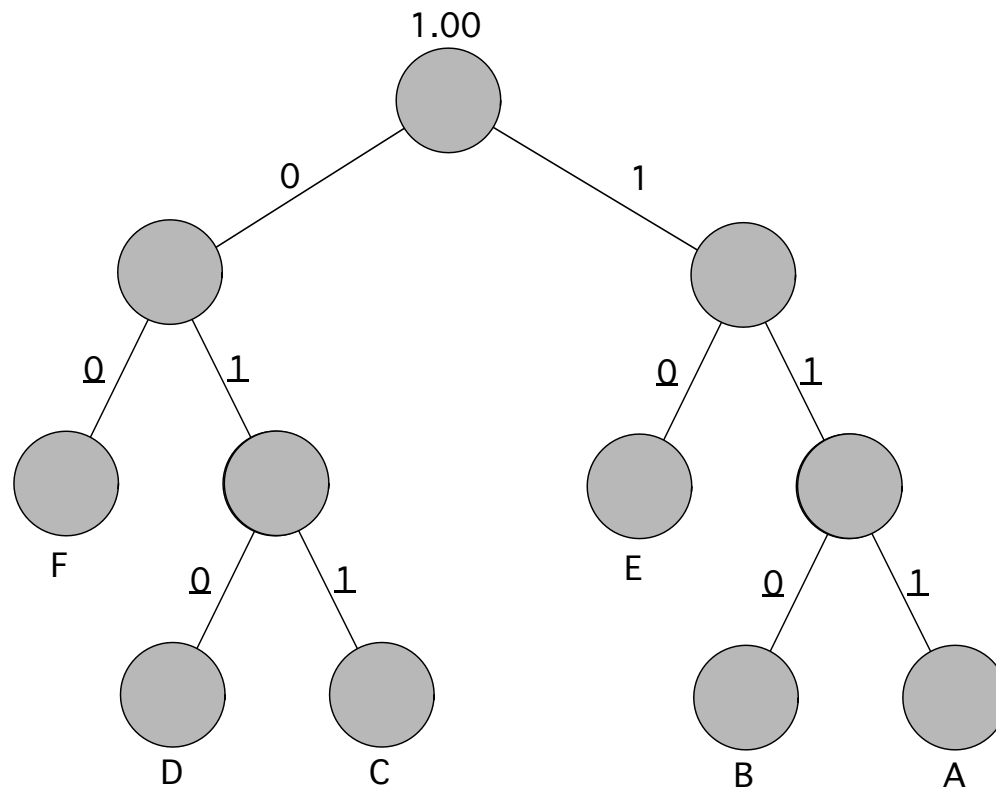
Step 5: combine remaining trees into a binary tree