Tomework 08 22(5) 蒋文翔 *2: Binary search tree in alphabetical order: oenology phronology campanology ichthyology Ornithology alchemy astrology 1 impology Ex. 2: Huffman coding: 0.25 Step2 Step 3 0.27 Step 5 So the average number of bit 175: 2×030+2×0.25+3×0.15+3×0.10 +3×0.08+4×0.07+4×0.05 Step61

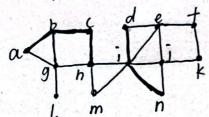
Section11-3

Ex.8 Preorder: abdeijmnocfghklp

Ex.12. Inorder: Kelmbfgrnscondipjq kelmbfrnsgacondipjq

Exit. Postorder, dimnojebfgkplhca

Section 11.4



a→b→c→h→g→l

back to h: h > i > d > e > f > k > j > n

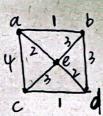
back to i: i→m

then all the vertex has been found

Ex. 16 fa, b3, fa, g3, -> fg, h3, fg, l3 -> fh, m3, fh, i3 -> fi, d3, fi, e3, fi, r \rightarrow {e,f}, {i,k}

Section 11.5

Ex. 2: a 1 b



first edge faib}, then fb, e}, then feid} finally {d,c}, total weight is 1+3+2+1=6

Ex.b: First step: faib? and {c,d} whose weight is }

then: faiez, feidz whose weight is 2

so total weight is 1+1+2+2=6