Fucading FSW codes 0-255 - individual characters bytes example A-65; B-68; C-67 256 - 4095 - substruings (Ei) Emcoding for imput ABABBABBB Step 1: A -> is in table => more next

AB -> in not in table => 1) add in table from

position 250 (improment AB 256 C- Step 1 1-13A 257 <+ Step 2 position for most substraings)[ABB 258 <+ Step 3 (65) BAB 259 & Step 4 BB 260 & Step 5 2) prient profix A code => Step? Remove prainted char: XBABBABBB B-> is ion table = 1 move mext BA+> is not intable => 1) add in table BA 2) primt prafix B code => (66) XXABBABBB A -> is in table => move AB > is in table => move mext ABB > is not in table => 1) add in table ABB
2 print prefix AB=> 256 BA > is im table =31) odd in table BAB (10= 257) <= AB xiford tribal (257) DAB > is mot im table B=> is in table
B=> is not in table 2) primt prefix B (GG) BB -> in im table
BB -> in im table -> print BB cade (250)

Ez. Empading for imput: GAB*AB*CA
Step 1: C => in the table => move ment  CA> not in table => 1) add CA  2) print C GY  C - GY  + - 42
Step2: XAB*AB*CA  CA - 256  AB - 257
A3 im table => more mext  AB > most in table => 1. add AB  2. primt A 65 ABX -260  *C -261
Steps: XXXXX AB * CA  B- in toble  B* - not in toble => 1. add B*
2. prum 15 code (66)
Stept: XXXXXABACA  *-in toble  *A - not in table => 1. add *A
2. pount & code (42)
Step 5: XXXXXX AB*CA  A-> in table  AB - in table
AB - in table => 1. add AB* 2. print AB (254)
Step 6: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
*C - mot im table => 1.odd *C 2. prunt * (42)
Step 7: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
C- in table powrit (256)
Output code: 67 65 66 42 257 42 256

Es. Huffman codes for AAA BBBBCC BLCCC BELLE
Step 1. a) Freez table A:3] B:4] C:5 D:4
b) Extract 2 min freq nodes: A:3 and B:4.
Croate meus made: (sum (freg (A) + frag (B))  (A13) (B14)
Step 2 a) Freq table [ C :5 mew mode: 7]
b) Extract 2 min freq mades: C15 and new node?
(c15) (F)
A13 (B14)
Step 3: a) Frieg table [ 1:4 made:12]
b) mew made (19)
(617) (12)
C15
Step 4: • when moving to the right child white I
Step 5: Write codes from read > bef. (15) (3)  A: 110  B: 111
Step 5. Write codes from root > leaf. (C15) of .
A: 110 B: 111