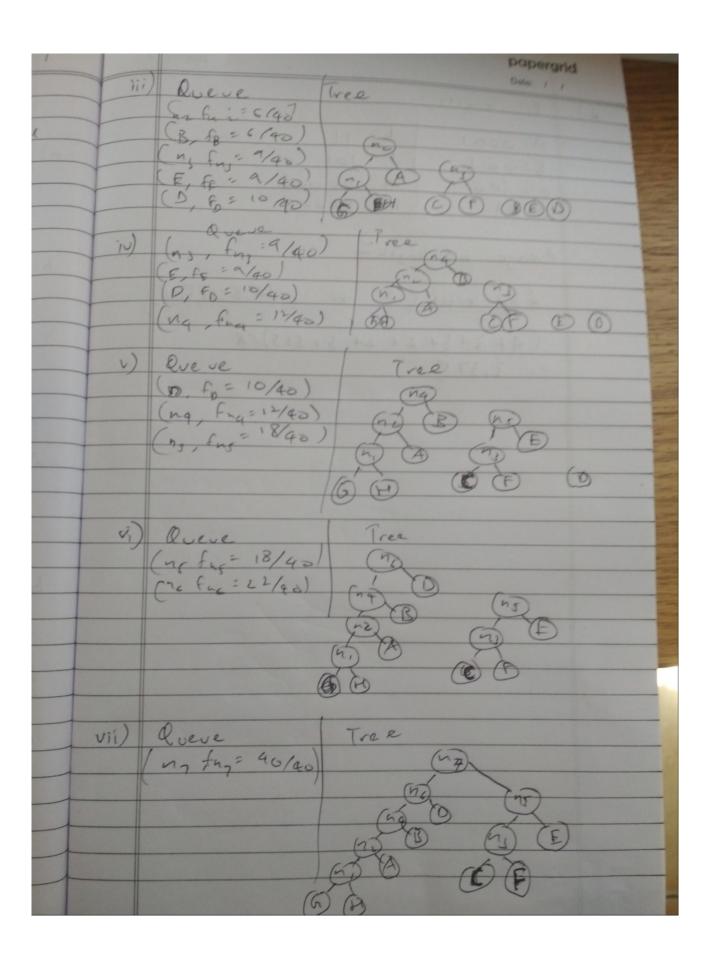
	Name: Shreyas Bhat Kera
	Name: Shreyas Bhat Kera FD: 2018A7PS11198
a)	A= 0000 E= 100
	B: 0001 F: (3)
	C° 001 6= 110
	D= 01 / H= 111
	E Riese Courses I lee
5)	
	A 15 1
	(O O O
	B C
	1000000000000000
3	c) next page
	(a) a (a) (a) (a) (a) (a) (a) (a) (a) (a

	a node	7
- ()	We create a tree, where can node	
	is identified by a lasel, and can le determined as a leaf node lasel	
	is identified by a last node lassel	
	or its traguency, which is the	
	Jon of it shildrens	
	node. Using a min priority queve	
	to store the characters:	100
	(G, fa=1/40	10
	H, fn= 2/as	
	A fa= 3/40	
	C7 fc: 4/40	
	F, PF=5/40	
	B, F8 = 6/40	V
	E 1 = 9/40	
	0,80=10/40)	
		1
	Algorithm: fot 12 reli till the quece is not enoty	
	take 2 elements and create a parent	
	hoseo frequency is the som of ite	
	hildren	0
- 1)	Priority aveve Corresponding Vee	
16	1, fn, = 3/40	
11	15.34	
-	C F (= 4/40)	
	F : 5/4)	
1	B : 6/a)	
1/1	Comment Comment of the comment of th	
	DED TOTAL	
(i)	Diese (40) Free	vii
10	fc = 4/40	
F	FF = 5/40	
v	f = 6 /40 (m)	
8	£6 = \$/40 (5) (B)	
G	a ste 19km GB GB CORD	
1/0	807 19/40)	



	Date: / /
(a)	Bil lengths:
	A = 0001 $E = 11B = 001$ $F = 101C = 100 C_0 = 00000D = 01$ $M = 00001$
	Average bit length = [Bit length (i) for i in [A, B, CDEFF, H]
	$\frac{7}{-(4+3+3+2+2+3+5+5)/8}$ = $\frac{3}{3.375}$
	10 for 19/40) (da)