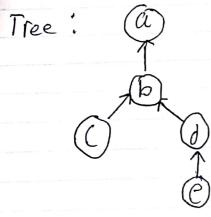
Craphs le Auffman Lub.

Lian Brew
I pledge my honor that I have abided by the Stevens
Honor System - Lange Man

D Edges in MST: BC 1, DE 2, BD: 3, AB5
Weight of MST: 11

Tree: (a)



2) The Vertices	Remaining Vestices
AC-,0)	BCA, I), CCA, 3), DC-, INF), E(-, INF), F(A, lo),
	G(-, INF) G(2) D(DQ) F(R) F(A,b) G(B3)
B(A,1)	(0, 2), (0, 3), (0, 3), (0, 3)
(CB,2)	D(B,8), EC(,5), FCA, 10), (50,3)
G(B,3)	N(B,8), EC,5), P(A,10)
$\frac{E(\zeta,5)}{D(5,7)}$	F(F7)
F(E, 7)	

Path: A→B→C→E→F

Distance: 7

(B) Encoding: 010000101 (C) Decoding: BAD_ADA (C) Decoding: BAD_ADA (D) A= 0, B=100, C=11, D=101, (D) A= 0, B=100, C=11, D=101,

ocaimod with

Encoded Bits =
$$(.4)(1) + (.1)(3) + (.2)(3) + (.15)(3) + (.15)(3)$$

= $.4 + .3 + .6 + .45 + .45$
= $.2.2$

Radio =
$$\frac{3}{2.2}$$
 = 1.363. Compression radio
Compression gain = 36.3%

Scanned with C