1)	Assignment 4 b and c are thees. Both are connected	
		undirected graph with no simple circuits
2)	10.1.	b) internal node: table, dif, his
	Complete binary tree of height 4:	full 3- dry . tree of beight 3.
		twistign of jet to missions
		e) parent of hotel
		f) sithing f a fp
		17.d.v = m to entroum (e
	$\overline{}$	h) descendants of foot test, from it
		1+500 = 1 (3
	\wedge	1 + (100) + 1
		1+005 =
		=501 vertices
3)		233.774
3)	β _{no}	order: -, *, 1, +, x, 2,3, +,-x,+,3, x,5
	* 5	PA PA
and the second s		order: x,+, 2, 1, 3, *, 4, -, 3, +, x, =,5
	1/	4
	Post	order: x, 2, +, 3, 1, 4, 3, x, +, -, *, 5, -
	+ / 3 + / +	4
		= 150.25
	x/ 2 3/ x	
		8) ad=2 ref=5
4)	Spanning Tizz = 2+ 2+3+3+4+10	eg=2 wheels Madesum
	<u>†</u> . +3 :	ab=3 be=1
	+	01=7b
	5 1/4	7 = 30
		- dath
		- ef
		9) 6 dollars.

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5)	a) cot = a	Assignment of
٠,	a) root = 9 b) internal rode = {a,b,c,d,f,h,j, 2,	4.7
	c) leaves = {e, 1, m, n, g, o, P, i, k, s, r, u}	A . 1 1 2 4 4 4 5 6
-	d) children of j= { 4, r}	2) Complete binary time of height 4:
	e) parent of h > c	
	f) siblings of o = P	
	g) ancestors of m = {a, b, f}	
- Indian	h) descendants of b = {e, f, 1, m, n}	
-	Ity McSCCNMINIS	
6)	Λ = mc+1	
· ,	= 5 (100)+1	
	= 500+1	
	=501 vertices	
	vorinces	- 3)
7)	Be order: - * + + x 217nH-m)+=3.	
	M	- *
	Z= (4-1)1000+1+ E.T. + + + + + + + + + + + + + + + + + +	
	4	-/
	Fest order 4, 2, 4, 3, 4, 1000 #55,	
	4	+ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	= 75 0.15	
		**\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
8)		
		nning Tree = 2+2+3+3+4+10
	ab=3 be=7	= 24 *
	gf = 3 4c=10	
	46:4	* * * * * * * * * * * * * * * * * * *
	46-4	
4)		
9)	6 dollars.	
	T	ends letters to 6 people and receives one
	the chain Starts with one person, will a	s. As the chain progresses, each person in t
		person breaks the chain and no lone receives
	sends letters to b others, since	he chain will ultimately receive 6 doll
	More than one letter, a person	Pare Early 5
		3+4=77
		145=35
-		

