Exercise 4.3			Date	No.
Alanithm : We choose most frequent	t laters	with	rode words	of length
which costs less time and less length				7.7.20
For example, "." => 0, "-" => 1			· ·	/
$time(2) \Rightarrow 0$				
time $(4) \Rightarrow 00$ , 1			1	
fime (6) => 000 ,01, 10	44 /	. 11		
time (8) =) 0000, 001, 010, 100,	11			
time (10) =)00000,000 , 00 lo, 0 00	, 1000 ,	1001,1	01, 110	
time (10) =) 00000,000 , 0010, 0100  time (12) =) 00   , 0	101,01106	-		,111
- 14 mg	1			
Therefore, the order is 0,1,00,01,10	,000,	11,001	,00,100	, 0000 , 011
110,0001,0010,0100,1000,00000, 11.	0011, 0101	,0110,1	001 , 1010 /	ıllo
b). After calculating the result, we get	average	time	9.7140	
c). After calculating the result, we get	average	length	: #.484 b	its
H(x) = 3.90 bit				
H(x) < exported average length < H	(x) +1			
Therefore, it is optimal				
d). Prefix coole:				
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