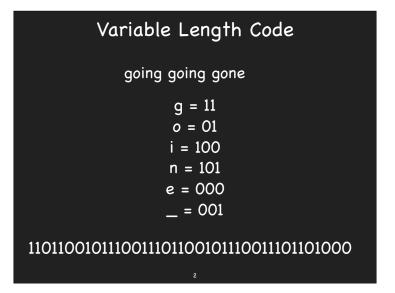
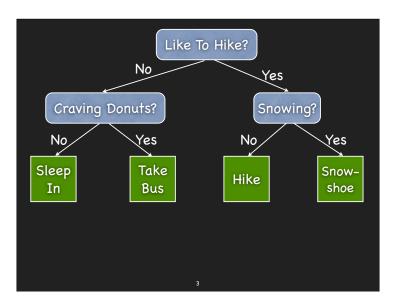
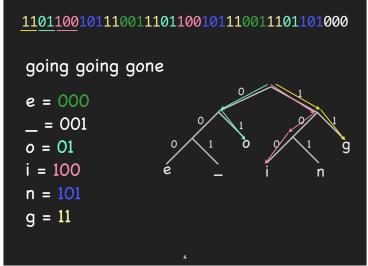
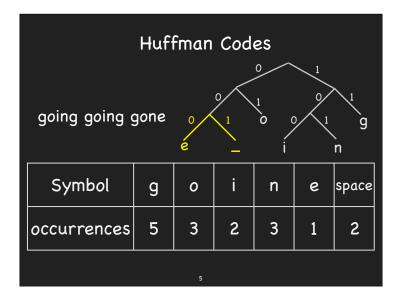
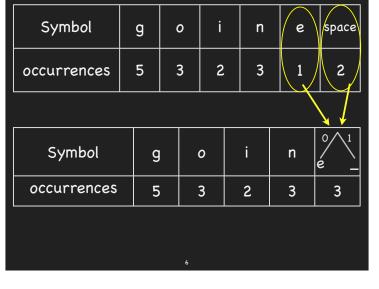
Fixed Length Code going going gone g = 000 o = 001 i = 010 n = 011 e = 100 _ = 101



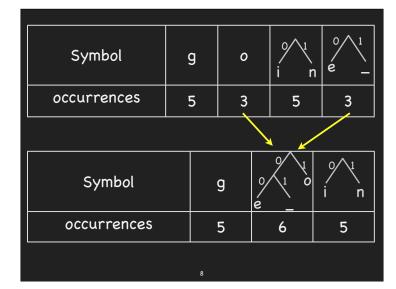


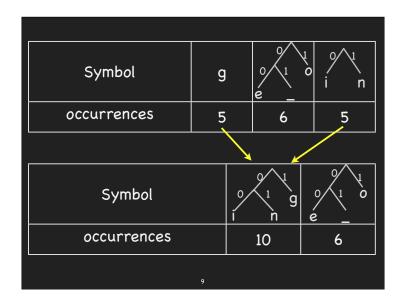


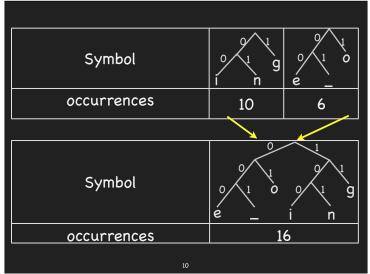




Symbol		g	C)	i		n	0 1 e _
occurrences		5 3		3	2		3	3
Symbol		g	J		0	i	n	0 1 e _
occurrences	5		3			5	3	
			7					







no engine no go

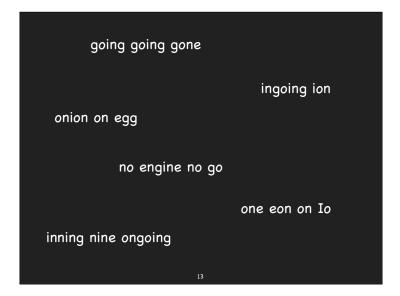
Symbol	е	g	i	n	0	space
occurrences	2	2	1	4	3	3

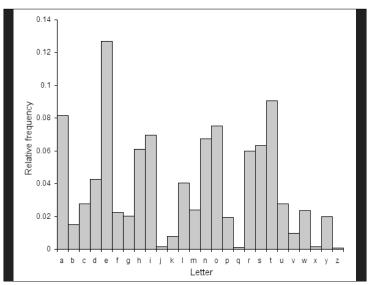
going going gone

no engine no go

•
$$e = 000$$

•
$$n = 01$$

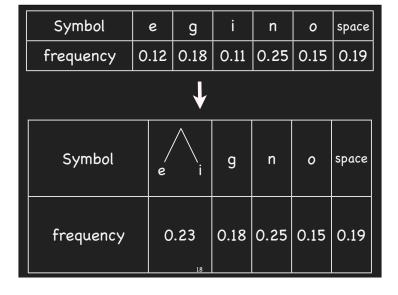




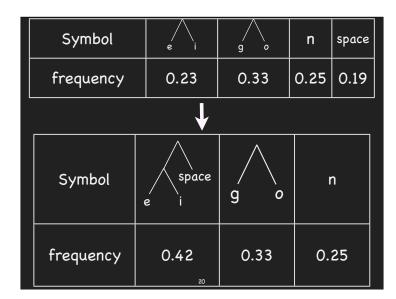
egg	egging	eggnog	ego	en	engine	eon	gee			
gene	genie	genii	gi	gig	gin	ginning	go			
going	gone	gong	goo	goon	in	ingoing	inn			
inning	Io	ion	nee	neo	Neogene	neon	nine			
ninon	no	nog	noggin	nogging	non	none	noon			
nooning	ogee	on	one	ongoing	onion					
	15									

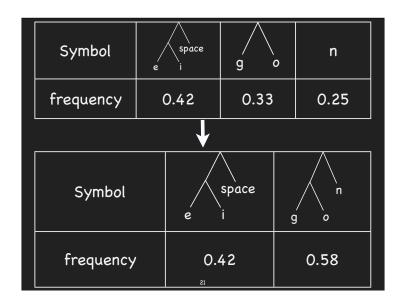
Symbol	e	g	i	n	o	space	ALL
occurrences	28	42	26	58	35	46	235
frequency	0.12	0.18	0.11	0.25	0.15	0.19	1.00
			16				

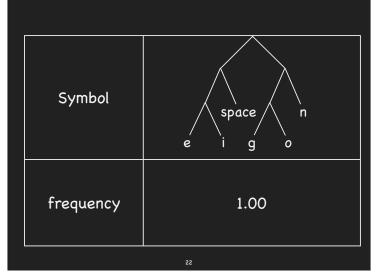
Symbol	e	g	i	n	o	space
frequency	0.12	0.18	0.11	0.25	0.15	0.19
		17				



Symbol	e i	g	n	o	space			
frequency	0.23	0.18	0.25	0.15	0.19			
<u> </u>								
Symbol	e i	g	g o		spac	æ		
frequency	0.23	0.	.33	0.25	0.19	9		







Code For Messages									
Symbol	е	g	i	o	n	space			
frequency	0.12	0.18	0.11	0.15	0.25	0.19			
codeword	000	100	001	101	11	01			

Expected Bits per Symbol									
Symbol	е	g	i	o	n	space			
frequency	0.12	0.18	0.11	0.15	0.25	0.19			
codeword	000	100	001	101	11	01			
code length	3	3	3	3	2	2			
24									

Expected Bits per Symbol									
Symbol	е	g	i	o	n	space			
frequency	0.12	0.18	0.11	0.15	0.25	0.19			
codeword	000	100	001	101	11	01			
code length	3	3	3	3	2	2			

3 * 0.56 + 2 * 0.44 = 1.68 + .88 = 2.56

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