2.1

THIS-THESIS-IS-THE-THESIS.

ODMIK	DOLŽINA	ZNAK
0	0	T
0	0	H
0	0	I
0	0	S
0	0	—
5	2	E
5	1	I
7	2	I
10	5	—
14	6	.

10·3·8 bit = 240 bit

26·8 bit = 208 bit

R = 208/240=0,867

2.2

(0,0,R)(0,0,A)(0,0,B)(2,1,R)(3,5,R)

R,A,B,AR,BARBAR,

3. 'AAAUUUUA'

SLOVAR	
1	A
2	U
3	AA
4	AAU
5	UU
6	UUU
7	UA

A	AA	U	UU	U	A
1	3	2	5	2	1

4. 1|3|4|2|1

SLOVAR	
1:	A
2:	U
3:	AA
4:	AAA
5:	AAAU
6:	UA

A|AA|AAA|U|A

SLOVAR

0
⋮
255
⋮
304 } 49 NOVIH UNOSOV

$\lceil \log_2 305 \rceil = 9$ bit

5. ZAČETNI SLOVAR 256 ZNAKOV

VHOD: a|aa|aaa|...

IZHOD: 97|256|257|...

VSOTA PRVIH N ŠTEVIL

$\frac{1}{2} \cdot n(n+1) \geq 1275 \Rightarrow n^2 + n - 2550 = 0$

$n_{1,2} = \frac{-b \pm \sqrt{b^2-4ac}}{2a} \Rightarrow n = 50$

KOMPRESIJSKO RAZMERJE

R = 1275*8/50*9=22,67