





$$M = \frac{H(x)}{L \cdot lg r}$$

Usinkevitost:
$$M = \frac{H(x)}{L \cdot lg r}$$
 $r=3$ $H(x) = H(0.6, 0.12, 0.04, 0.06, 0.04) = 1,857$

a) Huffman

$$k=1: 3+1.2=5$$

 $k=2: 3+2.2=17 > 6$

$$L = 0.3 + 0.04.3 + 0.06.3 + 0.07.2 + 0.11.2 + 0.12.1 + 0.6.4 = \frac{1.38}{1.38} + 0.11$$

$$M = \frac{1,8574 \text{ bit}}{1,38 \cdot \log_2 3} = \frac{0,8492}{1}$$

X;	Pi	l li	1PK	kod	VZEMI Pretvori V Bazo T,
a	0.6	1	0	0	
b	0.42	2	0.6	12	L= 06.1+ 0.12.2 + 0.11.3 +
	0.11	3	0.72	201	0.01.3+ 0.06.3+ 0.04.3= 1,68 th
d	10.01	3	0.83	211	
2	006	3	0.30	2 20	/// =
7	0.04	3	0.96	221	M= 1,68 trit · log_23

→ združuj v skupine po v , hi imajo prisljižno enase veijetnosti

	X.	Pi		1	Kod	\ l;
	a	0.6	0		0	1
	lı	0-12	1	0	10	2
	C	0.11		1	11	2
	d	£0.0		0	20	2
	R	0.06	2	4	21	2
	Ŧ	0.04		2	22	2
		-				~

$$M = \frac{0.6.1 + 0.12.2 + 0.11.2 + 0.01.2 + 0.01.2 + 0.06.2 + 0.06.2 + 0.04.2 = 0.8371}{1.4 + 0.1 + 0.02.3} = 0.8371$$

4.

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3	d. kz	42	1	dini	01	,
0	2	00) +1	. /('	71 ~	i	
1	2 /	61686	o u	-	_`	
W	2/	10 11,2	-			
2	3 /	1102+11				
0	3/1	NA JAM	(20			