

3.9

l_u U_m um U_m
und um U_m herum

I	I	1	0,04348
m	II	2	...
u	III	3	GD13
l	III	3	24.10.20
:		(h)	1/2
∑		23	

$a_1 = m, p_1 = 0,26087, \pi_1 = 0$
 $a_2 = u, p_2 = 0,17391, \pi_2 = 0,26087$
 $a_3 = u, p_3 = 0,13043, \pi_3 = \pi_2 + p_2 = 0,43478$
 $a_4 = l, p_4 = 0,13043, \pi_4 = \pi_3 + p_3 = 0,56521$
 \vdots
 $a_{10} = r, p_{10} = 0,04348, \pi_{10} = \pi_9 + p_9 = 0,95652$
 $(\pi_{10} + p_{10} = 1,00000)$

$l_1 = 2$
 $l_2 = 3$
 $l_3 = 3$
 $l_4 = 3$
 \vdots
 $l_{10} = 5$
 $l_i = -\lceil \log_2 p_i \rceil$

π_i in Dualzahlen umrechnen

i	π_i (dual)	l_i	
1	0,00 00000	2	$K(m) = 00$
2	0,010 00001	3	$K(u) = 010$

Shannon

LZW : balakulmanban

Dict = [0, 1, ..., 255, 'ba', 'an', 'na', 'ane']

GD13
24.10.
2/2

read b;	w = b		
read a;	w = a	'b'	256 = ba
read n;	w = n	'a'	257 = an
read a;	w = a	'n'	258 = na
read n;	w = an	—	
read e;	w = e	257	259 = ane
read n;	w = n	'e'	260 = en
read a;	w = na	—	
read n;	w = n	258	261 = nan
read b;	w = b	'n'	262 = nb
read a;	w = ba	—	
read u;	w = u	256	263 = bau
EOF		'u'	

