$$S = AABCAADEAAB$$

$$\Sigma = \{A, B, C, D, E\} \quad |\Sigma| = 5 = d$$

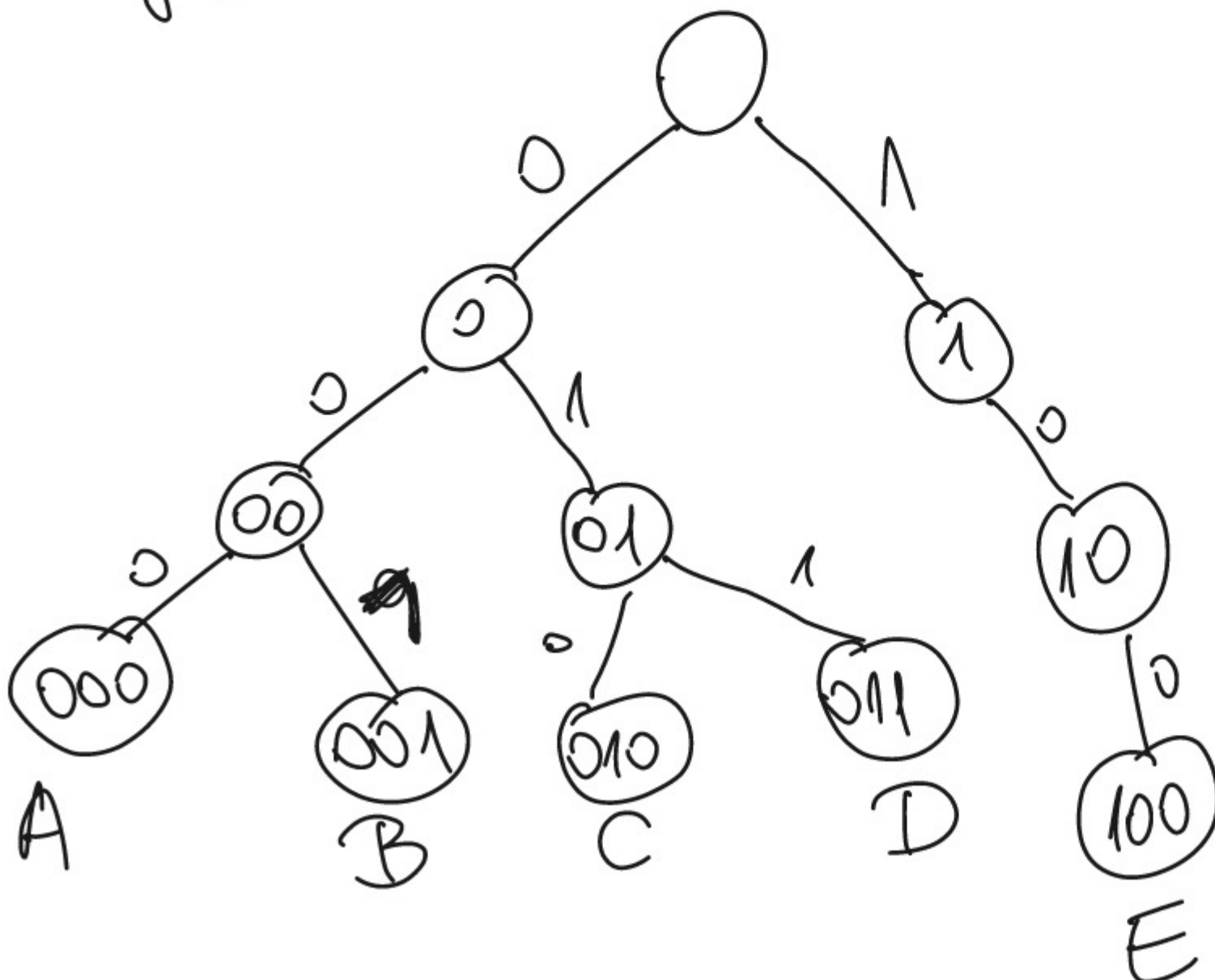$$\Gamma = \{0, 1\} \quad\quad |\Gamma| = 2 = r$$

$$\lceil \log_r d \rceil = \lceil \log_2 5 \rceil = 3$$

karakter	kód
A	000
B	001
C	010
D	011
E	100

kódolva: 000|000|001......

kódfa:

Huffman - prefix kód

A	B	C	D	E	F
5 ✓	13 ✓	18 ✓	7 ✓	30 ✓	7 ✓

~~12~~, ~~19~~, ~~31~~, ~~50~~
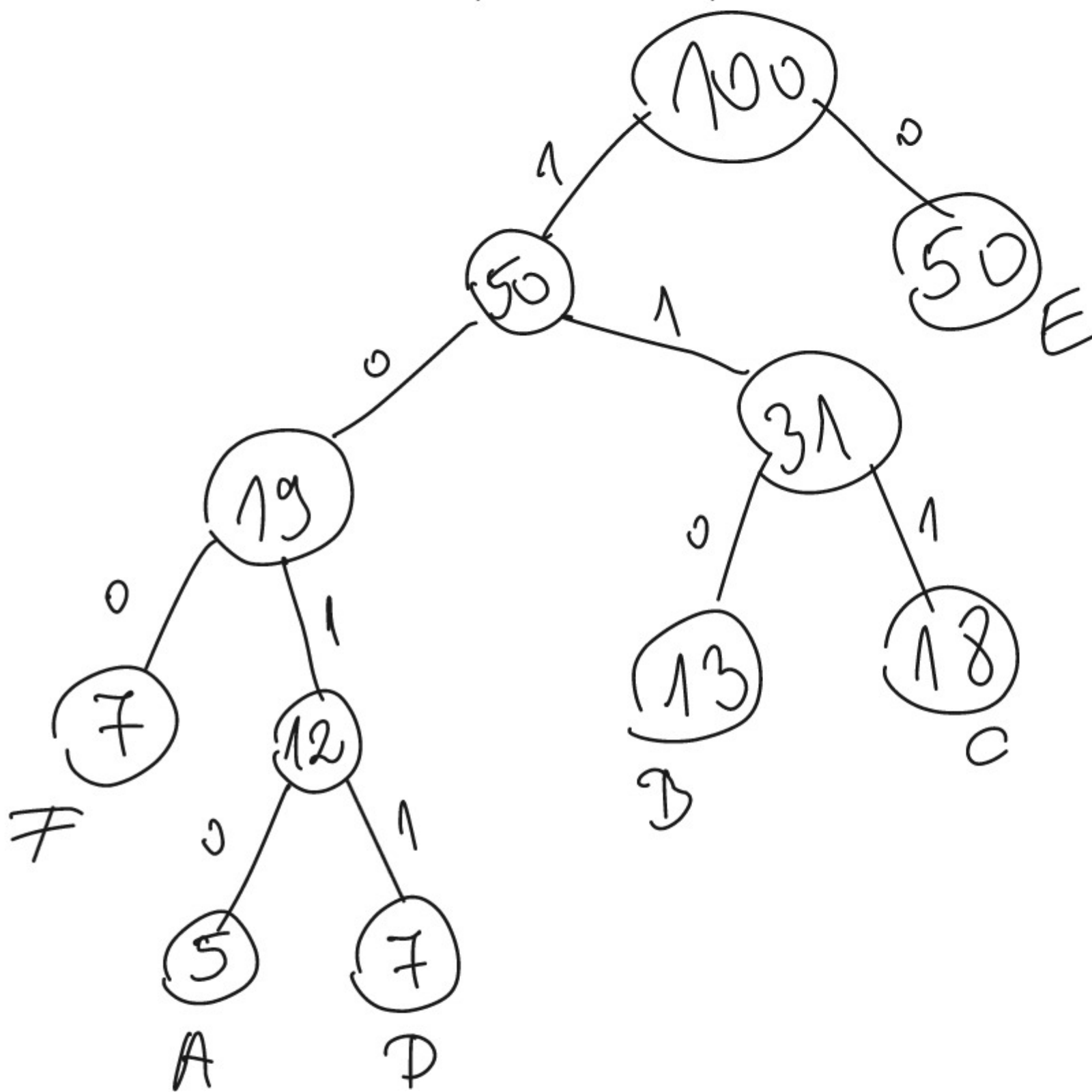
A	1010
B	110
C	111
D	1011
E	0
F	100

$$BECD = 110 \mid 0 \mid 111 \mid 1011$$
$$ B \quad E \quad C \quad D$$

LZW kódolás

$$S = \overset{\centerdot}{a} \, \overset{\centerdot}{b} \, \overset{\centerdot}{a} \, \overset{\centerdot}{b} \, \overset{\centerdot}{c} \, \overset{\centerdot}{a} \, \overset{\centerdot}{b} \, \overset{\centerdot}{a} \, \overset{\centerdot}{b} \, \overset{\centerdot}{a}$$

$$\underset{1}{} \underset{2}{} \underset{4}{} \underset{3}{} \underset{4}{} \underset{8}{}$$

String code

String	code
a	1
b	2
c	3
ab	4
ba	5
abc	6
ca	7
aba	8

$$S = [1, 2, 4, 3, 4, 8]$$

Huffman kódolás:

$S = AZABBRAKADABRAA$

gyakorisági táblázat   kódolva: 0 11 0 1 0 ....
                                     A Z

A	Z	B	R	K	D
7	1	3	2	1	1

2, 3, 5 8
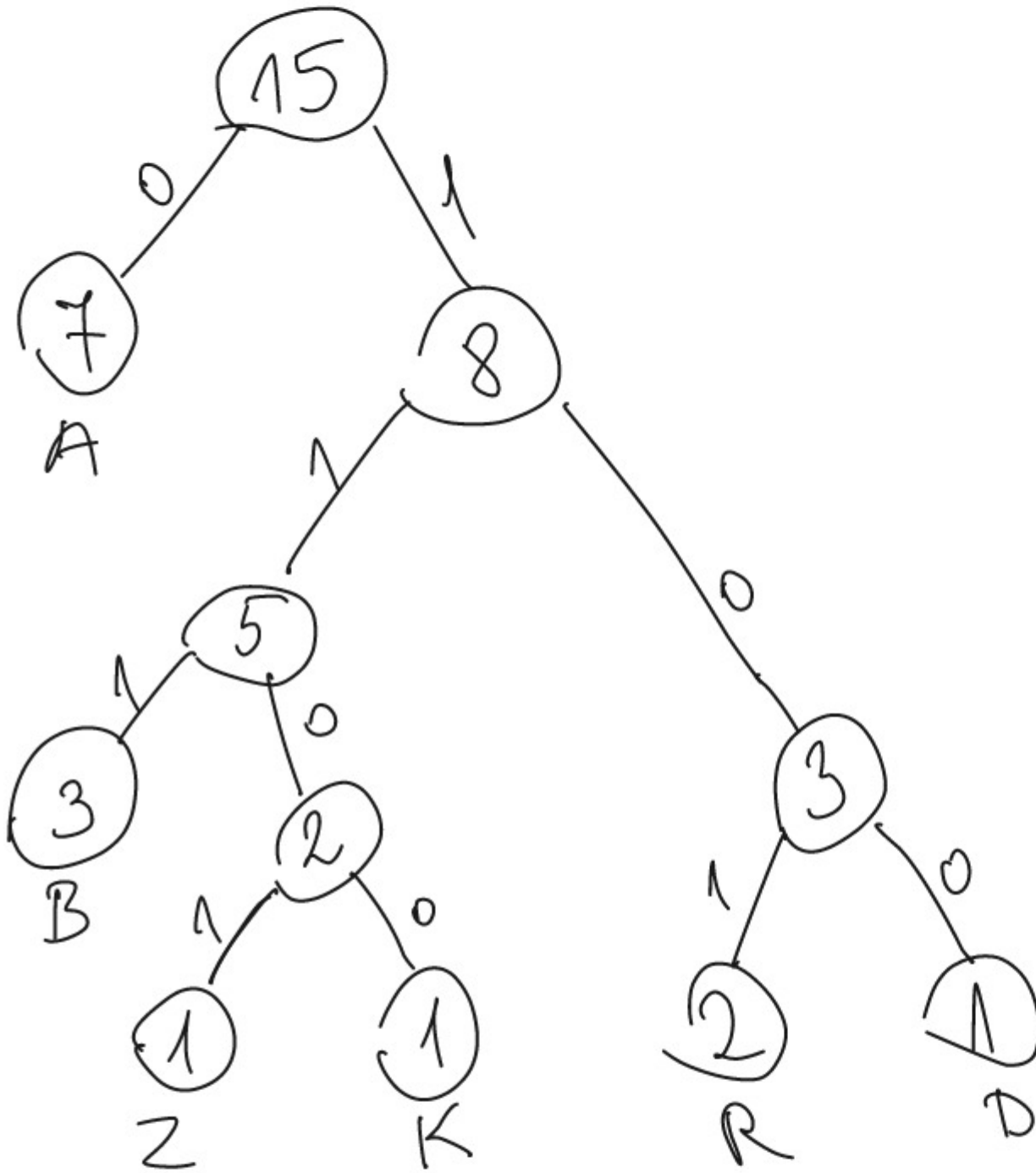
A	0
B	111
D	100
K	1100
R	101
Z	1101