

Huffman

7: 4,2%

6: 8,1%

5: 12,3%

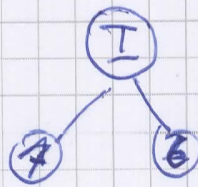
4: 14,5%

3: 16,5%

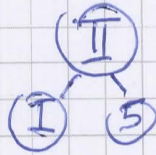
2: 17,9%

1: 26,5%

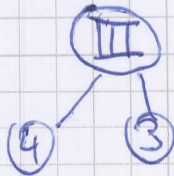
I >



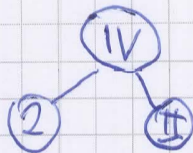
$P(I) = 12,3\%$



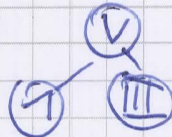
$P(II) = 24,6\%$



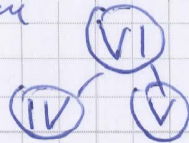
$P(III) = 31\%$



$P(IV) = 42,5\%$



$P(V) = 57,5\%$

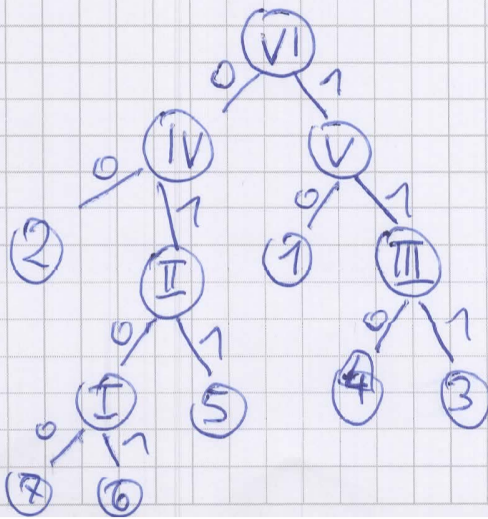


$P(VI) = 100\%$

Huffman Codierung

generiert den best
möglichen Code

es gibt keine bessere
möglichkeit!

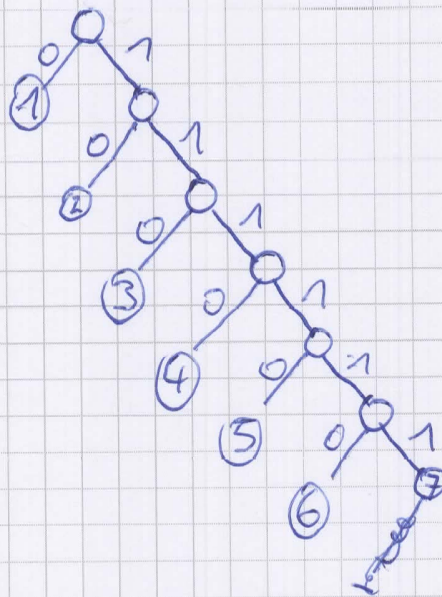


1: 10
2: 00
3: 111
4: 110
5: 011
6: 0101
7: 0100

Aufgabe 5.3

Naiver Präfix Baum

- 1) 26,5% = 0
- 2) 17,9% = 10
- 3) 16,5% = 110
- 4) 14,5% = 1110
- 5) 12,3% = 11110
- 6) 8,1% = 111110
- 7) 4,2% = 1111111



Huffman würde sich empfehlen, da er den optimalen Code erstellt und es keine bessere Lösung gibt.