Marvin Döbel Rabanus Derr	1	2	3	4	Σ

Übungsblatt Nr. 5
(Abgabetermin 28.05.2018)

Aufgabe 1

To illustrate the Viterbi Algorithm we compute a table with the rekursive Viterbi variable for the string `GATA`:

Tabelle 1: Viterbi Algorithm

v		G	A	T	A
0	1	0	0	0	0
P	0	**0,1**	**0,028**	0,00196	0,0002352
Q	0	0,075	0,006	**0,000294**	**0,0002352**

The two optimal sequences of states are marked (underlined, bold). Because both sequences have the same total propability.

Tabelle 2: My caption

G	A	T	A
P	P	P	P
P	P	Q	Q

Aufgabe 2

in code

Aufgabe 3

in code

Aufgabe 4

in code