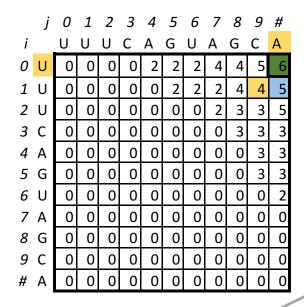
Recursiver TraceBack

1. Starte bei traceBack(0, Länge RNA-1)



1. Fall:

M(0,10) = 0?	Nein
2. Fall:	
M(0,10) = M(1,10)?	Nein
3. Fall:	
M(0,10) = M(1,9) + (U,A)?	Ja

Ergebniss = '(' traceBack(1,9) ')' '(((. . . .)) .)'

'((....)).'

2. traceBack(1,9)

	j	0	1	2	3	4	5	6	7	8	9	#
i		U	U	U	С	Α	G	U	Α	G	С	Α
0	U	0	0	0	0	2	2	2	4	4	5	6
1	U	0	0	0	0	0	2	2	2	4	4	5
2	U	0	0	0	0	0	0	0	2	3	3	5
3	С	0	0	0	0	0	0	0	0	3	3	3
4	Α	0	0	0	0	0	0	0	0	0	3	3
5	G	0	0	0	0	0	0	0	0	0	3	3
6	U	0	0	0	0	0	0	0	0	0	0	2
7	Α	0	0	0	0	0	0	0	0	0	0	0
8	G	0	0	0	0	0	0	0	0	0	0	0
9	С	0	0	0	0	0	0	0	0	0	0	0
#	Α	0	0	0	0	0	0	0	0	0	0	0

1. Fall:

M(1,9) = 0?	Nein
2. Fall:	
M(1,9) = M(2,9)?	Nein
3. Fall:	_
M(1,9) = M(2,8) + (U,C)?	Nein
4.Fall:	_
M(1,9) = M(1,2) + M(3,9)?	Nein
M(1,9) = M(1,3) + M(4,9)?	Nein
M(1,9) = M(1,4) + M(5,9)?	Nein
M(1,9) = M(1,5) + M(6,9)?	Nein
M(1,9) = M(1,6) + M(7,9)?	Nein
M(1,9) = M(1,7) + M(8,9)?	Nein
M(1,9) = M(1,8) + M(9,9)?	Ja

Ergebnis = traceBack(1,8) + traceBack(9,9)





	j	0	1	2	3	4	5	6	7	8	9	#
i		U	U	U	С	Α	G	U	Α	G	С	Α
0	U	0	0	0	0	2	2	2	4	4	5	6
1	U	0	0	0	0	0	2	2	2	4	4	5
2	U	0	0	0	0	0	0	0	2	3	3	5
3	С	0	0	0	0	0	0	0	0	3	3	3
4	Α	0	0	0	0	0	0	0	0	0	3	3
5	G	0	0	0	0	0	0	0	0	0	3	3
6	U	0	0	0	0	0	0	0	0	0	0	2
7	Α	0	0	0	0	0	0	0	0	0	0	0
8	G	0	0	0	0	0	0	0	0	0	0	0
9	С	0	0	0	0	0	0	0	0	0	0	0
#	Α	0	0	0	0	0	0	0	0	0	0	0

1. Fall:

'((...))'

$$M(1,8) = 0$$
? Nein

2. Fall:

$$M(1,8) = M(2,8)$$
?

3. Fall:

$$M(1,8) = M(2,7) + (U,G)$$
?

'(. . . .)'

3b. traceBack(9,9)

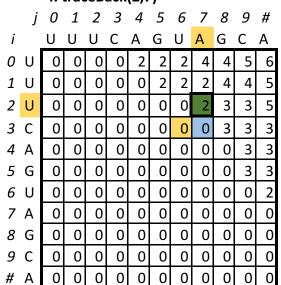
	j	0	1	2	3	4	5	6	7	8	9	#
i		U	U	U	С	Α	G	U	Α	G	С	Α
0	U	0	0	0	0	2	2	2	4	4	5	6
1	U	0	0	0	0	0	2	2	2	4	4	5
2	U	0	0	0	0	0	0	0	2	3	3	5
3	С	0	0	0	0	0	0	0	0	3	3	3
4	Α	0	0	0	0	0	0	0	0	0	3	3
5	G	0	0	0	0	0	0	0	0	0	3	3
6	U	0	0	0	0	0	0	0	0	0	0	2
7	Α	0	0	0	0	0	0	0	0	0	0	0
8	G	0	0	0	0	0	0	0	0	0	0	0
9	С	0	0	0	0	0	0	0	0	0	0	0
#	Α	0	0	0	0	0	0	0	0	0	0	0

1. Fall:

$$M(9,9) = 0$$
 Ja

Ergebnis = '.' * 1

4. traceBack(2,7) -



1. Fall:

$$M(2,7) = 0$$
 Nein

2. Fall:

$$M(2,7) = M(3,7)$$
 Nein

3. Fall:

$$M(2,7) = M(3,6) + (U,A)$$
 Ja

1 1

5. traceBack(3,6)												
	j	0	1	2	3	4	5	6	7	8	9	#
i		U	U	U	С	Α	G	U	Α	G	С	Α
0	U	0	0	0	0	2	2	2	4	4	5	6
1	U	0	0	0	0	0	2	2	2	4	4	5
2	U	0	0	0	0	0	0	0	2	3	3	5
3	С	0	0	0	0	0	0	0	0	3	3	3
4	Α	0	0	0	0	0	0	0	0	0	3	3
5	G	0	0	0	0	0	0	0	0	0	3	3
6	U	0	0	0	0	0	0	0	0	0	0	2
7	Α	0	0	0	0	0	0	0	0	0	0	0
8	G	0	0	0	0	0	0	0	0	0	0	0
9	С	0	0	0	0	0	0	0	0	0	0	0
#	Α	0	0	0	0	0	0	0	0	0	0	0

1. Fall: M(3,6) = 0