

Table 1. Polynesian consonants correspondence sets and reconstruction.

	Mao	Ton	Sam	Rar	Haw	PP
C1	t	t	t	t	k	*t
C2	p	p	p	p	p	*p
C3	h	h	s	ʔ	h	*s
C4	h	f	f	ʔ	h	*f
C5	∅	ʔ	∅	∅	∅	*ʔ
C6	ŋ	ŋ	ŋ	ŋ	n	*ŋ
C7	∅	h	∅	∅	∅	*h
C8	k	k	ʔ	k	ʔ	*k
C9	m	m	m	m	m	*m
C10	r	l	l	r	l	*L
C11	ϕ	f	f	ʔ	h	*f
C12	n	n	n	n	n	*n
C13	w	v	v	v	w	*V

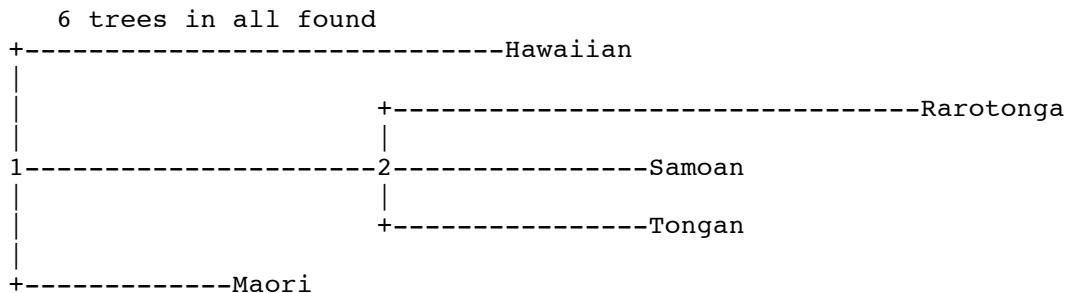
Table 2. ‘Distance’-encoding of Polynesian languages

	Mao	Ton	Sam	Rar	Haw
Mao	0	6	6	4	5
Ton	6	0	4	5	8
Sam	6	4	0	5	6
Rar	4	5	5	0	8
Haw	5	8	6	8	0

Table 3. ‘Character’-encoding of correspondence sets. In total, there are 14 necessary changes. Parsimony results in needing minimally 16 changes

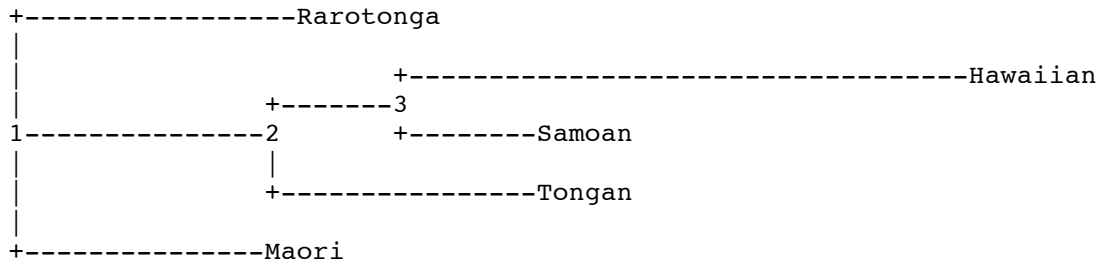
	Mao	Ton	Sam	Rar	Haw
C1	1	1	1	1	2
C2	1	1	1	1	1
C3	1	1	2	3	1
C4	1	2	2	3	1
C5	1	2	1	1	1
C6	1	1	1	1	2
C7	1	2	1	1	1
C8	1	1	2	1	2
C9	1	1	1	1	1
C10	1	2	2	1	2
C11	1	2	2	3	4
C12	1	1	1	1	1
C13	1	2	2	2	1

Discrete character parsimony algorithm, version 3.65



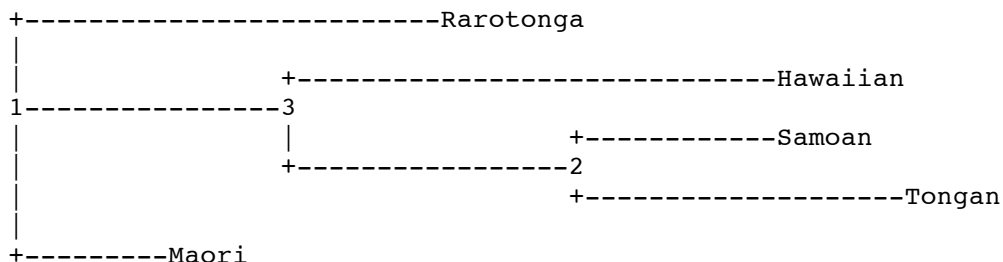
requires a total of 16.000
between and length

between	and	length
1	Hawaiian	3.67
1	2	2.67
2	Rarotonga	4.00
2	Samoaan	2.00
2	Tongan	2.00
1	Maori	1.67



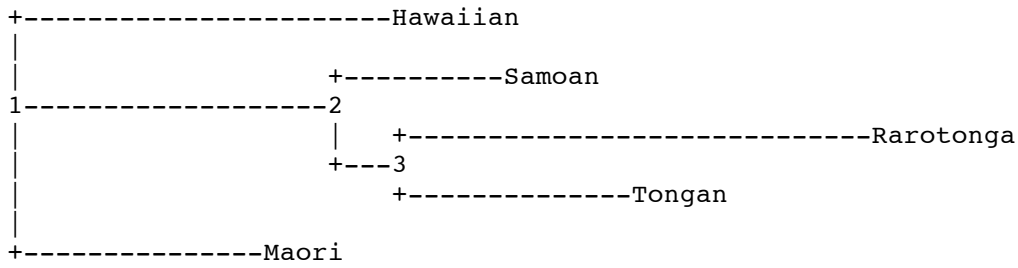
requires a total of 16.000
between and length

between	and	length
1	Rarotonga	2.42
1	2	2.17
2	3	1.00
3	Hawaiian	4.75
3	Samoaan	1.25
2	Tongan	2.25
1	Maori	2.17

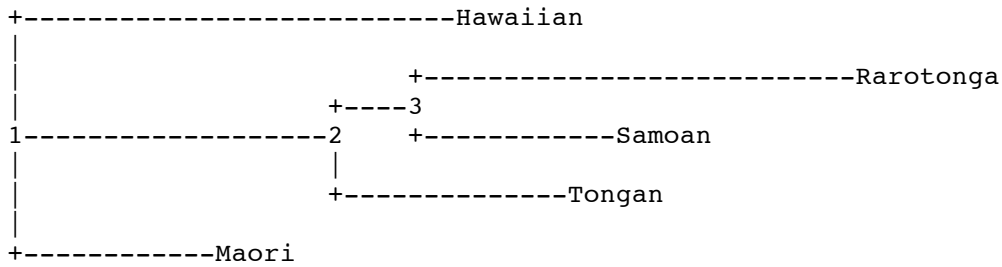


requires a total of 16.000
between and length

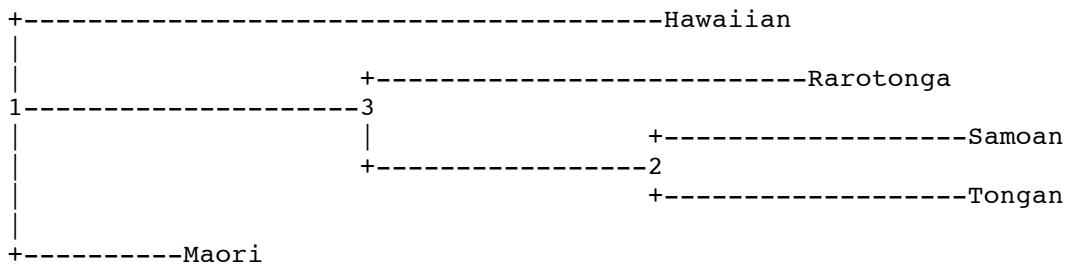
between	and	length
1	Rarotonga	3.12
1	3	2.00
3	Hawaiian	3.62
3	2	2.12
2	Samoaan	1.50
2	Tongan	2.50
1	Maori	1.12



between	and	length
1	Hawaiian	3.17
1	2	2.67
2	Samoan	1.50
2	3	0.50
3	Rarotonga	4.00
3	Tongan	2.00
1	Maori	2.17



between	and	length
1	Hawaiian	3.67
1	2	2.67
2	3	0.67
3	Rarotonga	3.67
3	Samoan	1.67
2	Tongan	2.00
1	Maori	1.67



between	and	length
1	Hawaiian	4.12
1	3	2.17
3	Rarotonga	2.79
3	2	1.79
2	Samoan	2.00
2	Tongan	2.00
1	Maori	1.12