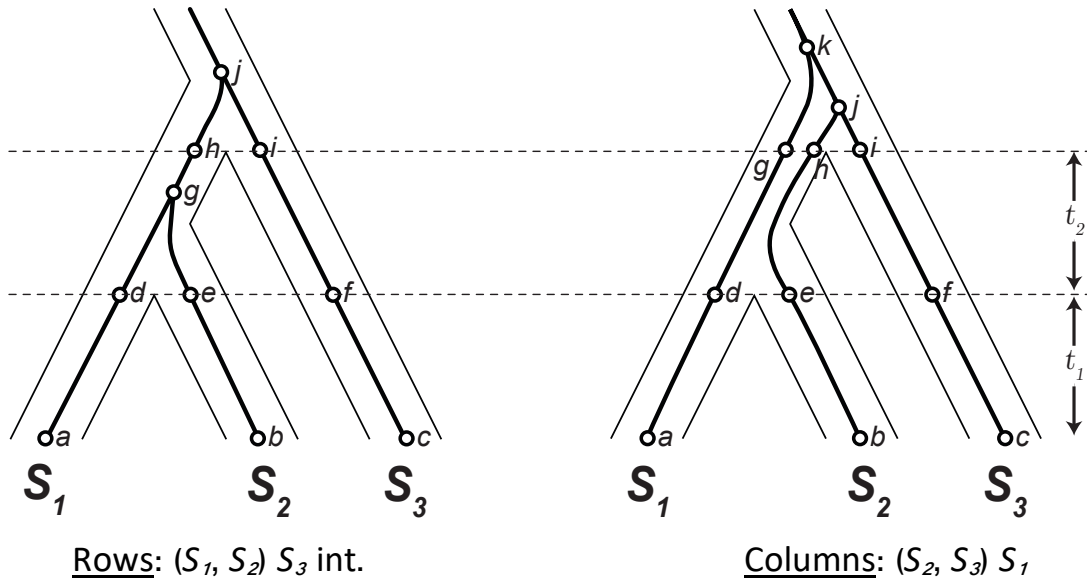
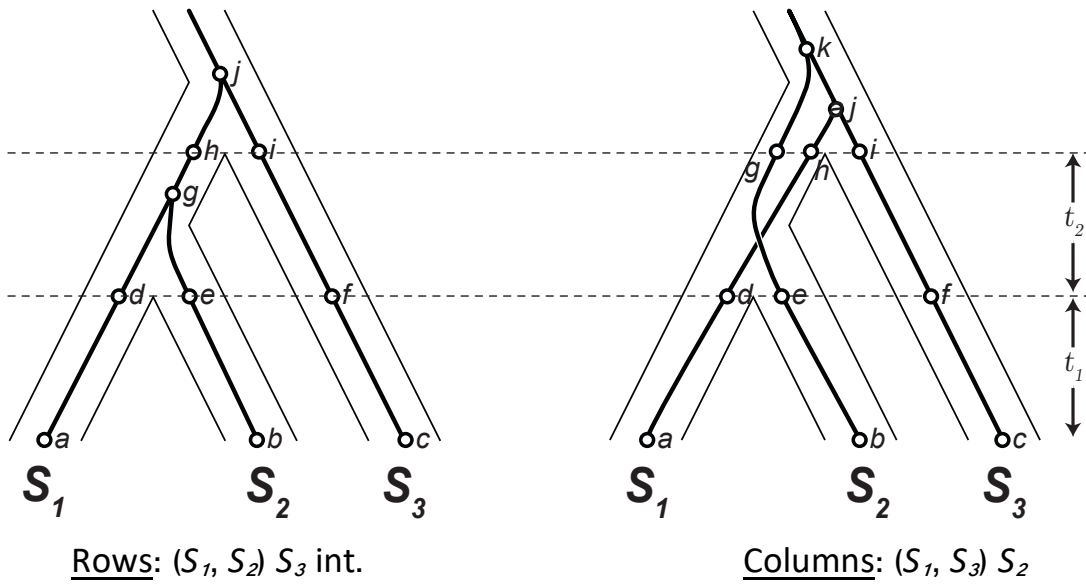


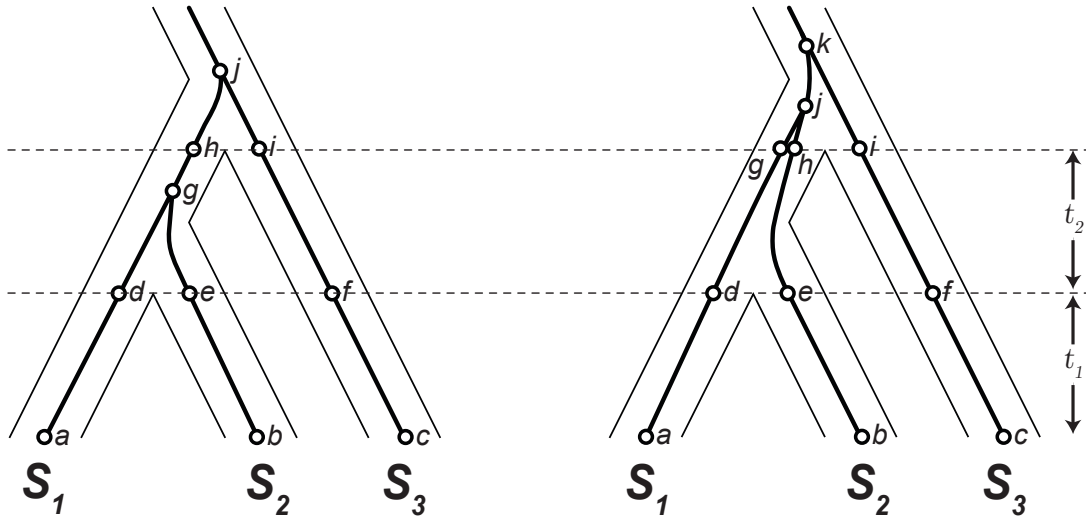
Appendix 1. Incompatibility Matrices



		S ₁ derived			S ₂ derived			S ₃ derived			S _{2, S₃} derived
		ad	dg	gk	be	eh	hj	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂
	eg	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₂} derived	gh	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-
	hj	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-



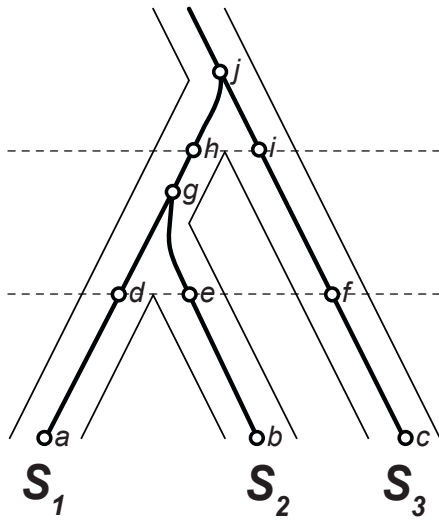
		S ₁ derived			S ₂ derived			S ₃ derived			S _{1, S₃} derived
		ad	dh	hj	be	eg	gk	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃
	eg	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₂} derived	gh	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-
	hj	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-



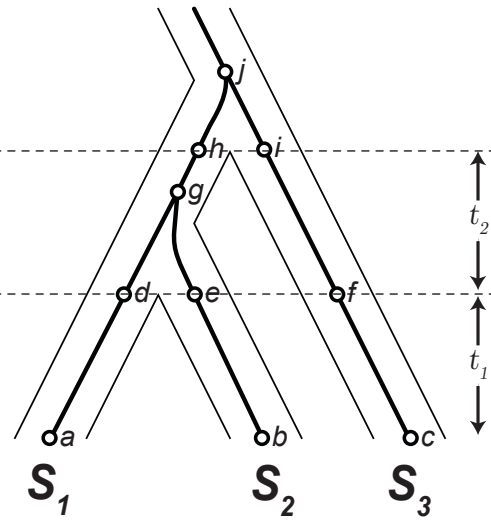
Rows: (S_1, S_2) S_3 int.

Columns: (S_1, S_2) S_3 anc.

		S ₁ derived			S ₂ derived			S ₃ derived			S _{1, S₂} derived
		ad	dg	gj	be	eh	hj	cf	fi	ik	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃
	eg	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₂} derived	gh	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	hj	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-

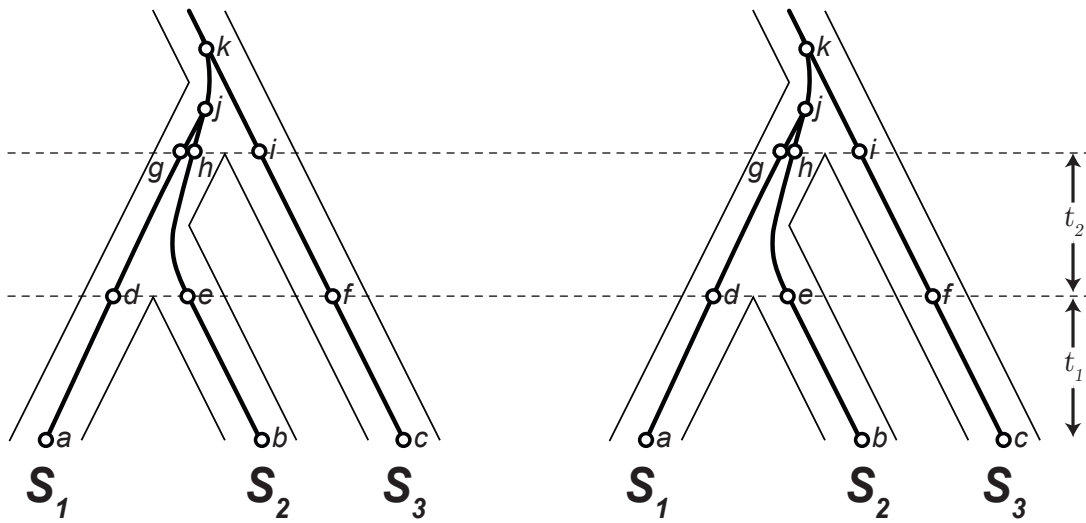


Rows: (S_1, S_2) S_3 int.



Columns: (S_1, S_2) S_3 int.

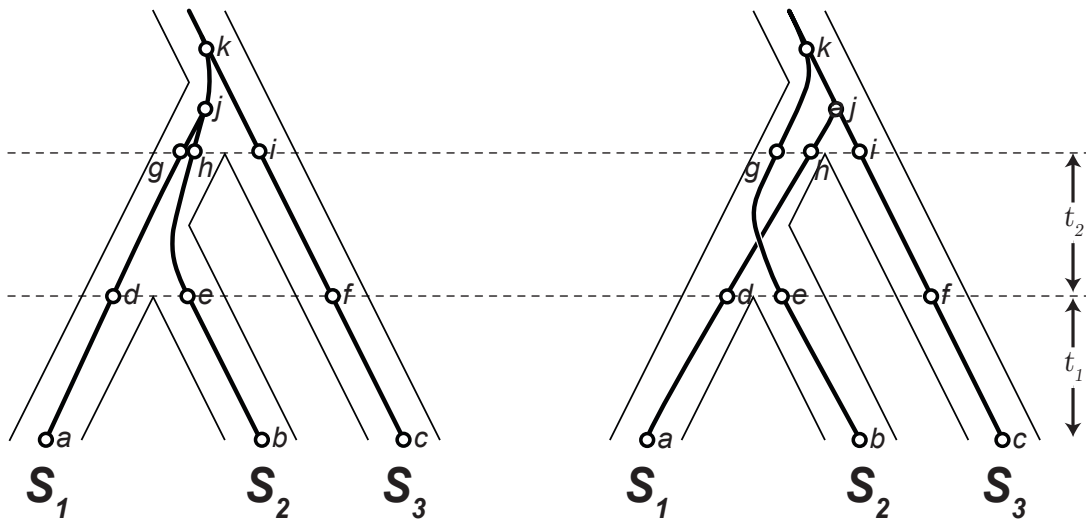
		S ₁ derived		S ₂ derived		S ₃ derived			S _{1, S₂} derived	
		ad	dg	be	eg	cf	fi	ij	gh	hj
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃
	dg	S ₁ x S ₂ S ₁ x S ₃	-	S ₁ x S ₂	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃
	eg	S ₁ x S ₂	-	S ₁ x S ₂ S ₂ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	-
S _{1, S₂} derived	gh	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	hj	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	-



Rows: (S_1, S_2) S_3 anc.

Columns: (S_1, S_2) S_3 anc.

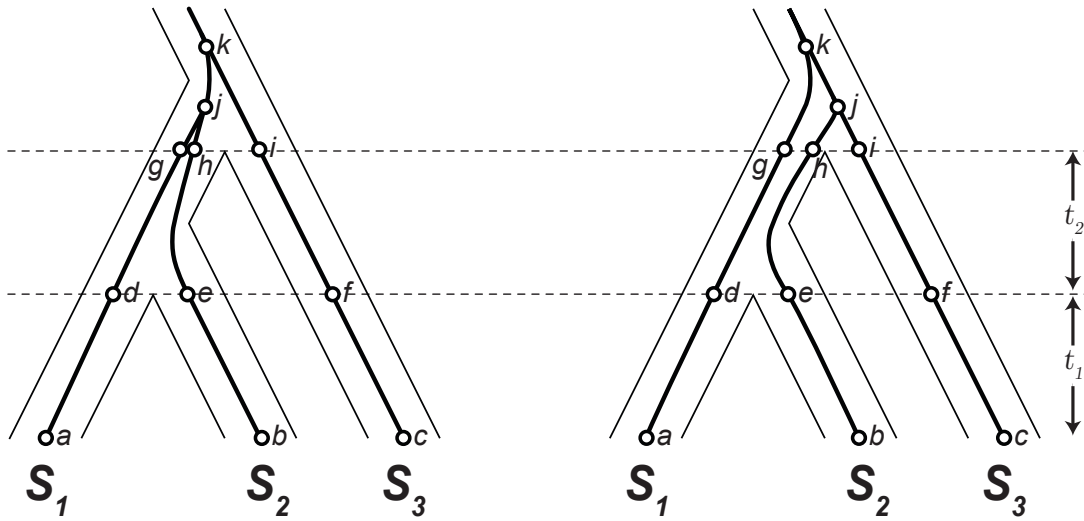
		S ₁ derived			S ₂ derived			S ₃ derived			S _{1, S₂} derived
		ad	dg	gj	be	eh	hj	cf	fi	ik	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃
	gj	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃
	eh	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃
	hj	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃
	ik	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₂} derived	jk	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-



Rows: (S_1, S_2) S_3 anc.

Columns: (S_1, S_3) S_2

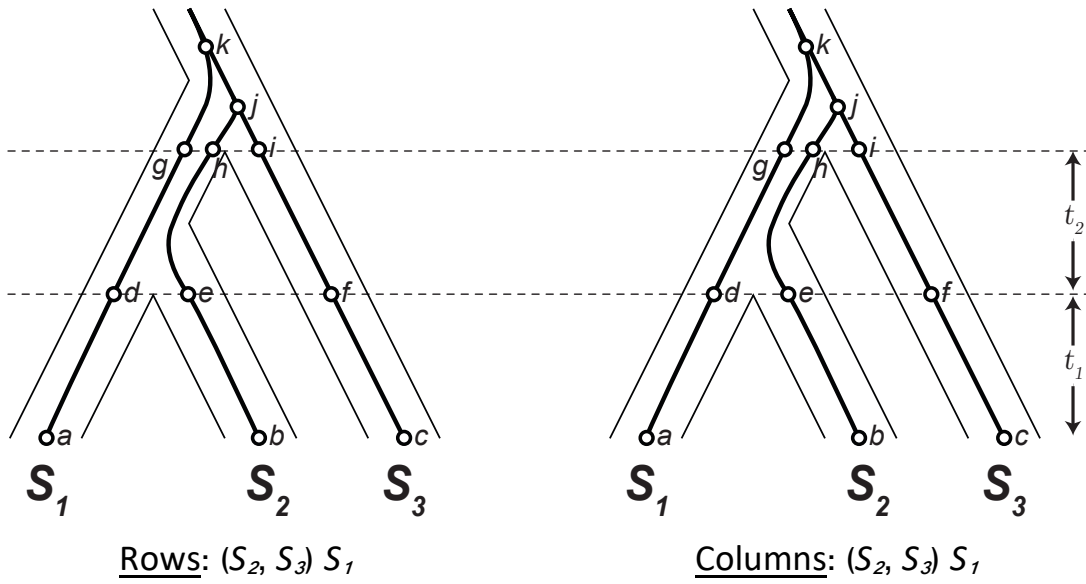
		S ₁ derived			S ₂ derived			S ₃ derived			S _{1, S₃} derived
		ad	dh	hj	be	eg	gk	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
	gj	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃
	eh	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
	hj	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	ik	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₂} derived	jk	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-



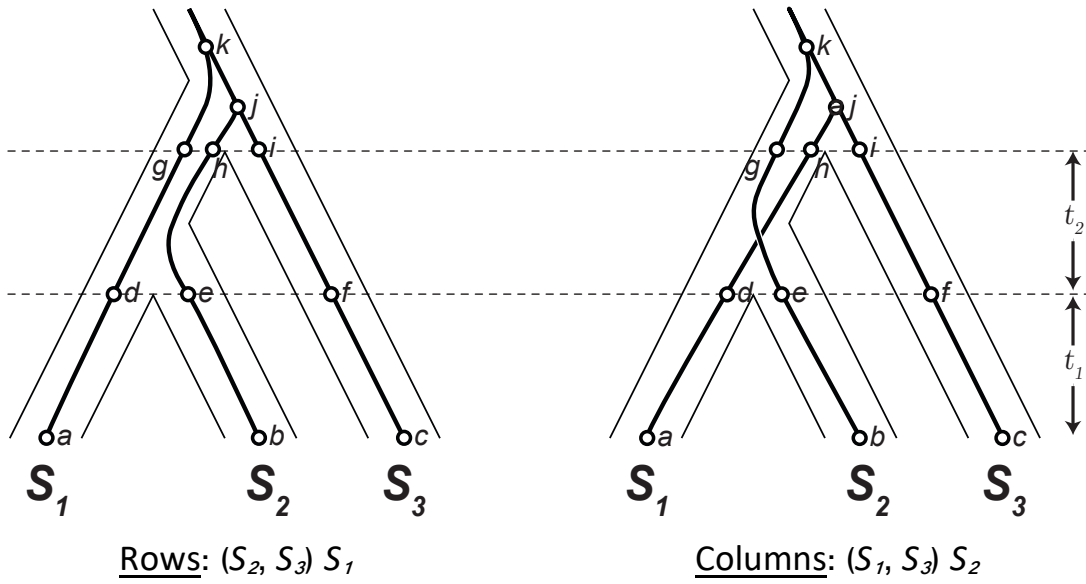
Rows: (S_1, S_2) S_3 anc.

Columns: (S_2, S_3) S_1

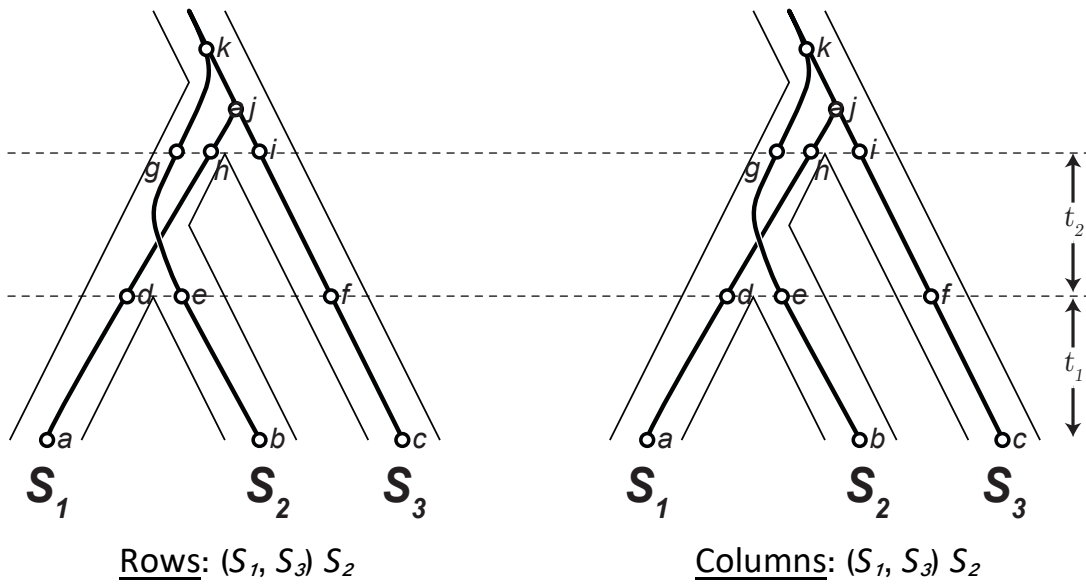
		S ₁ derived			S ₂ derived			S ₃ derived			S _{2, S₃} derived
		ad	dg	gk	be	eh	hj	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
	gj	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂
	eh	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
	hj	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃
	ik	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₂} derived	jk	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-



		S ₁ derived			S ₂ derived			S ₃ derived			S ₂ , S ₃ derived
		ad	dg	gk	be	eh	hj	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
	gk	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂
	eh	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
	hj	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S ₂ , S ₃ derived	jk	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-



		S ₁ derived			S ₂ derived			S ₃ derived			S _{1, S₃} derived
		ad	dh	hj	be	eg	gk	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂
	dg	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
	gk	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃
	eh	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
	hj	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{2, S₃} derived	jk	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-



		S ₁ derived			S ₂ derived			S ₃ derived			S _{1, S₃} derived
		ad	dh	hj	be	eg	gk	cf	fi	ij	jk
S ₁ derived	ad	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂ S ₁ x S ₃	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₂
	dh	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	-
	hj	S ₁ x S ₂ S ₁ x S ₃	-	-	S ₁ x S ₂	-	-	S ₁ x S ₃	S ₁ x S ₃	-	-
S ₂ derived	be	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₂ S ₂ x S ₃
	eg	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	-
	gk	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-
S ₃ derived	cf	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	fi	S ₁ x S ₃	S ₁ x S ₃	S ₁ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	S ₂ x S ₃
	ij	S ₁ x S ₃	S ₁ x S ₃	-	S ₂ x S ₃	S ₂ x S ₃	-	S ₁ x S ₃ S ₂ x S ₃	S ₁ x S ₃ S ₂ x S ₃	-	-
S _{1, S₃} derived	jk	S ₁ x S ₂	-	-	S ₁ x S ₂ S ₂ x S ₃	-	-	S ₂ x S ₃	S ₂ x S ₃	-	-