## **Understanding Language Evolution Using an Event-Based Model**

#### **Appendices**

- 1. Character Assignments
- 2. Partition Assignments
- 3. Concepts Used
- 4. Results

#### Appendix 1 - Character Assignments

Each segment gets a different number



#### Appendix 2 - Partition Assignments

## Model: "Linguistically Informed"

1 Nasal Vowel

ẽj õ ũ ĩ ẽ ẽj õ ẽ ẽu ẽ ũ cẽ ẽw

2 Vowel

e o: ə o i ɔ ı u oj u: y e: a v œ ε i: oa i a: aj ε: ej vj ø: εj ø ea α ɔ: α: au ʊ

3 Nasal Consonant

nmŋŋĵ

4 Non Sylabic Sonorant

wjlr

5 Consonant

g z j dz s ∫ v b t d f r x λ κ h tf p z ð k ts r θ ų c g ł k<sup>w</sup> γ g<sup>w</sup> β ϶ ͺ i ç

		We	YouPlural	YouSingular
Latin	- e g o:	n o: - s -	wo: - s	t u:
French	3 9	n u	$ \mathbf{v}   \mathbf{u}  -  \mathbf{v} $	t y
Spanish	j o	n o - s -	b o - s	t u
Italian	$\begin{vmatrix} \mathbf{i} \\ \mathbf{i} \end{vmatrix} - \begin{vmatrix} \mathbf{c} \\ \mathbf{o} \end{vmatrix}$	n o: i	v o: i -	t u
PortugueseBrazi		$\begin{vmatrix} \mathbf{n} & \mathbf{j} & \mathbf{j} \\ \mathbf{n} & \mathbf{j} \end{vmatrix} - \mathbf{s}$	v o j s	t u
i ortagaooobrazi			·   0   J   0	l u
Portuguese	-   e   -   w	$ \mathbf{n} \mathbf{o}  -  \mathbf{f} $	$ \mathbf{v} \mathbf{o} $ - $ \int$	t u
Catalan	3 3	1   1   1   1	b u - s	t u
Walloon	dz 1	n o	$ \mathbf{v}   \mathbf{o}  -  \mathbf{s} $	t y
Friulian	j o	n o:	v o:	t u
Romanian	j e - w	n oj -   -   -	v oj	t u
	YouSingular-VostramMer		Woman-Mulier	Woman-Domina
Latin		f e: - m i - n - a	m u l i e r e m	d o m i n a
French		f a - m		d a m
Spanish	$-  \mathbf{u}  \mathbf{s}  \mathbf{t}  \mathbf{e}  \mathbf{d}$	- e - m - b r - a	m u x - e r	d o p a
Italian		f e m m i - n - a	тоббе	d o n - n a
PortugueseBrazi	v   o   s   -   e   -	f e - m e v	ти у - 6 в	d o n e
J				
Portuguese	v   3   s   -   e   -	f   e   -  m  j   -   -   e	$\mathbf{m}  \mathbf{u}  \mathbf{\Lambda}   -  \mathbf{e}  \mathbf{r}   -   -$	d   o   -   -   n   e
Catalan	v o s t e -	f e - m - b r - a	m u ʎ - e	d o n o
Walloon		f œ - m		d œ m
Friulian		$ \mathbf{f}   \mathbf{\epsilon}  -  \mathbf{m}   \mathbf{i}  -  \mathbf{n}  -  \mathbf{\epsilon} $	m u i: r	d 2 n e
Romanian		f e - m e - j e	m u - j e r e -	d gam - n ə
i torriuriuri		I C III C J C	m u j c i c	u vain n ə
Communicati	ManHumanBeing			
Latin	ManHumanBeing	ManHumanBeing-Homo	Child i n f a n t e m	Child-Ninnus
	h o m i - n e m	ManHumanBeing-Homo	Child	
Latin French	h o m i - n e m - o m	ManHumanBeing-Homo	Child i n f a n t e m	Child-Ninnus
Latin	h o m i - n e m	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Latin French Spanish Italian	h   o   m   i   -   n   e   m   -   -   -   -   -   -   -   -   -	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus
Latin French Spanish Italian	h o m i - n e m - o m - b r e o m ej	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i p o n i n o
Latin French Spanish Italian	h   o   m   i   -   n   e   m   -   -   -   -   -   -   -   -   -	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i p o n i n o
Latin French Spanish Italian PortugueseBrazi	h o m i - n e m - o m - b r e o m ej	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i n o n i n o n e n e ñ e j
Latin French Spanish Italian PortugueseBrazi Portuguese	h o m i - n e m - o m - b r e o m ej o m ej	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i n o n i n o n e n e ñ
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i n o n i n o n e n e ñ
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i n o n i n o n e n e ñ
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Child-Ninnus  n i n o n i n o n e n e ñ
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	h o m i - n e m - o m - b r e o m e j	ManHumanBeing-Homo	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Child-Ninnus  n i p o n i n o n e n e i i n o n e n e i i n o n e n s i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e n e i i n e n e n e n e i i n e n e n e n e n e n e i i n e n e n e n e n e n e n e n e n e n
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	Child  i n f a n t e m α - f α i n f a n t e f a n t e - 1 - f ε - f i  ĭ - f ε - t i -  Ke - f α  Husband  m a r i: t u s m a в i	Child-Ninnus  n i p o n i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n o n e n e i i n e n e i i n e n e i i n e n e i i n e n e i i n e n e i i n e n e i i n e n e i i n e n e i i n e i n e i i n e i n e i i n e i n e i i n e i n e i i n e i n e i i n e i n e i n e i i n e i n e i n e i i n e i n e i n e i i n e i n e i n e i i n e i n e i n e i i n e i n e i n e i i n e i n e i n e i i n e i n e i n e i n e i i n e i n e i n e i n e i i n e i n e i n e i n e i n e i i n e i n e i n e i n e i n e i i n e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	h o m i - n e m - o m - b r e o m e j	ManHumanBeing-Homo  -   h   o   m   o: -   ĵ   -   -     w   o   m   o   -    Wife-Mulier   m   u   l   i   e   r   -     m   u   x   -   e   r   -	Child  i n f a n t e m  α - f α  i n f a n t e -  f a n t e -  1 - f ε - f ε - f i -  1 - f ε - f α  Husband  m a r i: t u s	Child-Ninnus  n i p o n i n o n e n e i i n o n e n e i i n o n e n s i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e i i n o n e n e n e n e i i n e n e n e n e i i n e n e n e n e n e n e i i n e n e n e n e n e n e n e n e n e n
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo    h o m o:	Child   i n f a n t e m   α - f α   i n f a n t e   f a n t e   f a n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e   f α n t e -   f α n t e -   f α n t e -   f α n	Child-Ninnus    n   i   n   o     n   i   n   o     n   e   n   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo  -   h   o   m   o: -   ĵ   -   -     w   o   m   o   -    Wife-Mulier   m   u   l   i   e   r   -     m   u   x   -   e   r   -	Child   i n f a n t e m   α - f α   i n f a n t e f a n t e f a n t e   f α n t e -   f α n t e -   f α n t e   f α n t e -   f α n t e   f α n	Child-Ninnus    n   i   n   o     n   i   n   o     n   e   n   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	Child   i n f a n t e m   α - f α   i n f a n t e   i n f a n t e   f a n t e -   f α n t e	Child-Ninnus    n   i   n   o   n   i   n   o   n   i   n   o   n   e   n   e   i   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	Child   i n f a n t e m   α - f α   i n f a n t e   f a n t e   f a n t e -   f α   f	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	Child   i n f a n t e m   α - f α   i n f a n t e   i n f a n t e   f a n t e -   f α n t e	Child-Ninnus    n   i   n   o   n   i   n   o   n   i   n   o   n   e   n   e   i   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	Child   i n f a n t e m   α - f α   i n f a n t e   f a n t e   f a n t e -   f α   f	Child-Ninnus    n   i   n   o   n   i   n   o   n   i   n   o   n   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ManHumanBeing-Homo	Child   i n f a n t e m   α - f α   i n f a n t e   f a n t e   f a n t e -   f α   f	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

	Husband-Socius	Mother	Father	Father-Tata
Latin	s o k i u s	m a: t r e m	p a t r e	t a t a
French		m e - r	р е - в -	
Spanish		m a ð r e -	p a ð r e	t a t a
Italian	s o tf - o -	m a: d r e -	p a: d r e	t a t a
PortugueseBrazi		$ \mathbf{m} \mathbf{\widetilde{e}}\widetilde{\mathbf{j}} $ - $ $ - $ $ -	p   aj   -   -   -	t a t a
D				
Portuguese		m ej	p aj	t a t a
Catalan Walloon		m a - r ə -	p a - r ə	
Friulian		m e - R m a - r i -	p e: - r -	
Romanian	s o ts	m a - r i -	p a - r i	t a t ə
	Animal	Animal-Bestia	Fish-Piskem	Fish-Pescion
Latin	a n i m a l i a	b e: s t i a	p i s k e m	TISH I COOLON
French	o m a - j	12 12 12 12 12 12	F   2   2   2   2   2	p w a s õ
Spanish	a 1 i m a n - a		p e   0   -   -   -	F
Italian	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$ \mathbf{b} \mathbf{i} \int  \mathbf{f}  -  \mathbf{a} $	p e f f e -	
PortugueseBrazi		b i - s - e	p ej	
Portuguese		b   i   -   ʃ   -   ɐ	p ej	
Catalan			p   e   ∫   -   -   -	
Walloon				$ p  -  \epsilon  h  \tilde{o} $
Friulian	n e m a: 1	b   i   s   -   -   -	$p \mid \epsilon \mid s \mid - \mid - \mid - \mid$	
Romanian	-   n   ə   m   a   -   j   e		p e   f   t   e   -	
	Bird-Avem	Bird-Avicellum	Bird-Passerem	Louse
Latin	Bird-Avem a w e m	- a w i - k - e l l u m	Bird-Passerem	p   -   e   d   u   -   k   l   u   s
Latin French	a w e m		Bird-Passerem   p   a   s   s   e   r   e   m	p
Latin French Spanish		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Bird-Passerem  p a s s e r e m  p a - x a r o -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian	a   w   e   m     a   b   e   -	- a w i - k - e l l u m	Bird-Passerem	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish	a   w   e   m     a   b   e   -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Bird-Passerem  p a s s e r e m  p a - x a r o -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian PortugueseBrazi	$egin{array}{c c} a & w & e & m \\ \hline a & b & e & - \\ \hline a & v & i & - \\ \hline \end{array}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dird-Passerem	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian	a   w   e   m	$ \begin{vmatrix} - & a & w & i & - & k & - & e & l & l & u & m \\ w & a & - & - & - & z & - & o & - & - & - & - \\ - & - &   & u & - &   & t &   & f &   & - &   & \epsilon &   & l &   & l &   & o &   & - \\ \end{vmatrix} $	Bird-Passerem	p - e d u - k l u s   p - u     p - i - o - k u     p - i - o - k u
Latin French Spanish Italian PortugueseBrazi Portuguese	$egin{array}{c c} a & w & e & m \\ \hline a & b & e & - \\ \hline a & v & i & - \\ \hline \end{array}$	$ \begin{vmatrix} - & a & w & i & - & k & - & e & l & l & u & m \\ w & a & - & - & - & z & - & o & - & - & - & - \\ - & - & u & - & t & tf & - & \epsilon & l & l & l & o & - \\ \end{vmatrix} $	Dird-Passerem	p - e   d   u - k   l   u   s   p - u   p   j   o x   - o   p   - i   d   o   k   k   j   o     p   - i   - o   - K   u       p   - o   K
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	a   w   e   m	$ \begin{vmatrix} - & a & w & i & - & k & - & e & l & l & u & m \\ w & a & - & - & - & z & - & o & - & - & - & - \\ - & - &   & u & - &   & t &   & f &   & - &   & \epsilon &   & l &   & l &   & o &   & - \\ \end{vmatrix} $	Dird-Passerem	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	a   w   e   m	$ \begin{vmatrix} - & a & w & i & - & k & - & e & l & l & u & m \\ w & a & - & - & - & z & - & o & - & - & - & - \\ - & - & u & - & t & tf & - & \epsilon & l & l & l & o & - \\ \end{vmatrix} $	Dird-Passerem	p - e   d   u - k   l   u   s   p - u   p   j   o x   - o   p   - i   d   o   k   k   j   o     p   - i   - o   - K   u       p   - o   K
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	P   a   s   s   e   r   e   m	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	p - e d u - k l u s   p - u       p j o x - o
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	p   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	p   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	P   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Bird-Passerem	P   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	P   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan Walloon	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	P   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -   -   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	a   w   e   m	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dird-Passerem	P   e   d   u   k   l   u   s   p   u   -   -   -   -   -   -   -   -   -

	Mouth		Mouth-Gula	Sun	Sun-Soliculus
Latin	b u k		g u l a	s o: 1 e m	s o l i k u l u s
French	b u -	$ \int   -$			s   ɔ   l   εj   -   -   -   -
Spanish	b o -	k a		s o 1	
Italian	b o k	k a		s o l e -	
PortugueseBrazi	b o -	k e		s 3 w	
Portuguese	b o -	k e		s   o   t   -   -	
Catalan	b o -			s   o   1   -   -	
Walloon	b o k			$ \mathbf{s} \mathbf{o} 1 \mathbf{o} $ -	
Friulian	b 5 -				s   o   r   e   -   -   1   i   -
Romanian	b u -		g u r ə	s oa r e -	
	Moon		Star	Water	Rain
Latin	1 u: n		-   s   t   -   e:   1   1   a	$ a  -  k^w  -  a $	p   l   u   -   w   i   a
French	l y n		e   -   t   w   a   -   l   -	0	p   l   q   -   -   i   -
Spanish	l u n		e s t r e - j a	a y w a	j   -   u   -   b   j   a
Italian	l u n		-   s   t   -   e   l   l   a	a k k w a	p j o d d - a
PortugueseBrazi	1   u   -	В	i   s   t   r   e   -   1   e	a  -  g  w e	$\left \int \left  -\left  u \right  - \left  v \right  - \right  e$
Portuguese	1  u   -	n	   i   f   t   r   e   -   1   v	a - g w e	
Catalan	λun		$\begin{vmatrix} \mathbf{a} & \mathbf{b} & \mathbf{b} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{a} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} & $		
Walloon	l ø n		-   s   t   -   Ø:   -   1   -	aj - γ w ə ε: w -	p   1   u   -   3   -   ə   -   -
Friulian	lun		$\begin{vmatrix} - & s & t & - & 0 \\ - & s & t & - & \epsilon & - & 1 \end{vmatrix}$ e		p 1 a B   j e
Romanian	l u n		- s t - ea	a - g - e a - p - ə	p l oa - j e
i Villalliall					
	Lake		Sea	Salt	Earth
Latin	Lake l a k	u m	Sea m a r e	Salt s a: 1 e m	Earth t - e r r a
Latin French	Lake lak lak	u m 	Sea m a r e m ɛ ʁ -	Salt   s a: 1 e m   s & 1	Earth   t   -   e   r   r   a   t   -   e   -   в   -
Latin	Lake lak lak lak lag	u m  o -	Sea   m a r e   e   m ε κ -   m a r   -	Salt s a: 1 e m s ɛ 1 s a 1	Earth   t   -   e   r   r   a   t   -   e -   в   -
Latin French Spanish Italian	Lake lak lak lag lag	u m	Sea   m a r   e   m ε ε -   m a r   -   m a r   e	Salt  s a: 1 e m s c 1 - s a 1 - s a 1 e -	Earth    t   -   e   r   r   a
Latin French Spanish	Lake lak lak lag lag	u m	Sea   m a r e   e   m ε κ -   m a r   -	Salt s a: 1 e m s ɛ 1 s a 1	Earth  t - e r r a  t - e - ε - r a  t - ε r r a
Latin French Spanish Italian	Lake 1 a k 1 a k 1 a g 1 a g 1 a g 1 a g	u m	Sea   m a r   e   m ε ε -   m a r   -   m a r   e	Salt  s a: 1 e m s ɛ 1 s a 1 e - s a l e - s a w	Earth  t - e r r a  t - e - ε - r a  t - ε r r a
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	Lake 1 a k 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g	u m 0 - 0 - u -	Sea mare mare mare mare mare	Salt  s a: 1 e m s ɛ 1 s a 1 e - s a w  s a 1 s a 1	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	Lake 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k	u m o - u - u	Sea  m a r e m a r e m a r e m a r - m a r - m a r - m a r -	Salt  s a: 1 e m s ɛ 1 s a 1 e - s a w  s a 1 s a 1 s a 1	Earth  t - e r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	Lake 1 a k 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k 1 a k 1 a k	u m o - u	Sea	Salt  s a: 1 e m s ɛ 1 s a 1 e - s a w  s a 1 s a 1 s a 1 s a 1 s a 1	Earth  t - e r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a t - ε r a
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	Lake 1 a k 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k 1 a k 1 a k	u m 0 - u - u	Sea	Salt    s a: 1   e   m     s a: 1   -     s a 1   e   -     s a 1   -     s a 1   -     s a 1   -     s a 1   -     s a 1   -     s a r e   -	Earth  t - e r r a t - ε r r a t - ε r r a t - ε - κ ε t - ε - κ ε t - ε - κ ε t - ε - κ ε t - ε - κ ε t - ε - κ ε t - ε - κ - κ ε t - ε - κ - κ - κ - κ - κ - κ - κ - κ - κ
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	Lake 1 a k 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k 1 a k 1 a k Fog	u m 0 - 0 - u	Sea  m a r e m a r e m a r -	Salt    s a: 1 e m     s a: 1     s a 1 e -     s a w     s a 1     s a 1     s a 1     s a 1     s a r e     Fog-Tenebrae	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	Lake 1 a k 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k 1 a k 1 a k Fog	u m 0 - u - u	Sea  m a r e  m a r e  m a r e  m a r -  m a r -  m a r -  m a r -  m a r e  Fog-Nebula  n - e - b u 1 a	Salt    s a: 1   e   m     s a: 1   -     s a 1   e   -     s a 1   -     s a 1   -     s a 1   -     s a 1   -     s a 1   -     s a r e   -	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	Lake 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k 1 a k 1 a k Fog k a: 1	u m	Sea  m a r e  m a r e  m a r e  m a r -  m a r -  m a r -  m a r e  m a r e  Fog-Nebula  n - e - b u l a  n j b l y	Salt    s a: 1 e m     s a: 1     s a 1 e -     s a w     s a 1     s a 1     s a 1     s a 1     s a r e     Fog-Tenebrae	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	Lake 1 a k 1 a g 1 a g 1 a g 1 a g 1 a g 1 a g 1 a g 1 a k 1 a k 1 a k 1 a k Fog k a: 1 k a 1	u m	Sea  m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	Lake	u m	Sea  m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r - m a r - m a r e  Fog-Nebula n - e - b u l a n j σ l y n j e - b - l a n - e b b - j a	Salt    s a: 1 e m     s a: 1     s a 1 e -     s a w     s a 1     s a 1     s a 1     s a 1     s a r e     Fog-Tenebrae	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	Lake	u m	Sea  m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi	Lake	u m	Sea  m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a n - e b b - j a n - ε - v w - ε	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi	Lake	u m	Sea  m a r e m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a n - e b b - j a n - ε - v w - ε	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t - e r r a     t - e - β - r a     t - ε r r a     t - ε r r a     t - ε r r a     t - ε - β θ
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	Lake	u m	Sea  m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a n - e b b - j a n - ε - v w - ε	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	Lake	u m	Sea  m a r e m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a n - e b b - j a n - ε - v w - ε	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t - e r r a  t - e - ε r a  t - ε r r a  t - ε - ε ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε - ε ε  t - ε π - ε ε ε  t - ε π - ε ε ε  t - ε π - ε ε ε  t - ε π - ε ε ε  t - ε π - ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε  t - ε π - ε ε ε ε ε  t - ε π - ε ε ε ε ε  t - ε π - ε ε ε ε ε  t - ε π - ε ε ε ε ε  t - ε π - ε ε ε ε ε  t - ε π - ε ε ε ε ε ε  t - ε π - ε ε ε ε ε ε ε  t - ε π - ε ε ε ε ε ε ε ε ε ε  t - ε π - ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	Lake	u m	Sea  m a r e m a r e m a r e m a r - m a r - m a r - m a r - m a r - m a r e Fog-Nebula n - e - b u 1 a n j σ - 1 y n j e - b - 1 a n - e b b - j a n - ε - v w - ε	Salt  s a: 1 e m  s a 1  s a 1 e -  s a w  s a: 1  s a 1  s a 1  s a 1  s a r e -  Fog-Tenebrae  t e n e: b r aj	Earth  t - e - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r b  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  t - ε - r a  c

	Fog-Fumata	Fog-Caecia	Sky	Wind
Latin	f u: m a: t a	k aj k i a	k - aj l u m	w - e n t u m
French	f y m e		s j ε 1	$ \mathbf{v} $ - $ \tilde{\mathbf{a}} $ - $ \mathbf{v} $ -
Spanish	f u m a t a		θ j e 1 o -	b j e n t o -
Italian	f u m a: t a		tf - ε 1 o -	$ \mathbf{v}  -  \mathbf{\varepsilon}  \mathbf{n}  \mathbf{t}  \mathbf{o}  \mathbf{c} $
PortugueseBrazi	f u m a s e		s - ε w	v
J				
Portuguese	f u m a s e		$ \mathbf{s}  -  \mathbf{\epsilon}  \mathbf{w}   -   -$	v   -   e   -   t   u   -
Catalan			s - ε 1	b - e n
Walloon			s - i:	v - ê
Friulian	f u m a t e		tf - i: 1	v - i n t
Romanian		tf ea tf - ə	tf - e r	v - i n t
	Fire-Focus	Year	Name-Nomen	Name-Nominem
Latin	f - o k u m	a n n u m	n o: m e n	n o: m i n - e m
French	f -   ø   -   -	$ \tilde{\alpha} $ - $ $ - $ $ -	n   5   -   -	
Spanish	f w e g o -	a - n o -		n   o   m   -   b   r   e   -
Italian	f w o k o -	a n n o -	n o m e -	
PortugueseBrazi	f - o g u -	e - n u -	n o m i -	
Portuguese	f - o y u -	e - n u -	n o m i -	
Catalan	f - 3 k	a   -   n   -   -	n o m	
Walloon	f - ø:	$ \tilde{\mathfrak{a}} $ - $ $ - $ $ -	$ \mathbf{n}  \mathbf{\tilde{o}}   -    -    -$	
Friulian	f - u: k	a   -   ŋ   -   -	n o ŋ	
Romanian	f - o k	a n	n u m e -	
	Tongue	ToDrink	ToEat	ToEat-Manducare
Latin	$\begin{vmatrix} 1 & i & n & g^w \end{vmatrix} - \begin{vmatrix} a & a \end{vmatrix}$	b i b - e r e	k o m e d e r e	m a n d u k a: r e
French	$\frac{1}{1} \left  \tilde{\alpha} \right  - \left  g \right  - \left  - \right $	p m a r -		m a - 3 - e
Spanish	l e ŋ g w a	b e b - e r -	k o m e r -	m a n d u k a r -
Italian	l i n g w a	b e r e		m a n dg a r e
PortugueseBrazi	I  I - g w e	р е р - е в -	k o m e	m   g   -   g   -   -   a   u   -
Portuguese	1   î   -   g   w   e	b   i   β   -   e   r   -	k   u   m   -   -   e   r   -	m   e   -   3   -   -   a   r   -
Catalan	1111   9   11   0	b = w - 1 = 0	K G III   C I	m ə n ʒ a
Walloon	1 eu	p \omega: R -		m a n i:
Friulian	$1 \stackrel{\epsilon}{\epsilon} n g - \epsilon$	b e v i		m a n f - a:
Romanian	l i m b - ə	b ea		m i n k a
	ToBite	ToBite-Morsicare	ToSuck	ToSpit
Latin	m - o r d e: r e	m o r s i k a: r e	s u: g e r e	k o n s p u e r e
French	ш - о в q - в -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	s y s e	k 5 - s p y e
Spanish	m - o r ð e r -	m o - s - k a r -		1 1 11 15
Italian	m - o r d e r e	m o r s i k a r e		
PortugueseBrazi		$ \mathbf{m} \mathbf{u}  -  \mathbf{s} \mathbf{\vartheta} \mathbf{g} \mathbf{a}  -  \mathbf{s} $	s  u g a B	$ \mathbf{k} \mathbf{u}  -  \mathbf{s} \mathbf{p} \mathbf{i} \mathbf{g}  -  \mathbf{s} $
Portuguese	$ \mathbf{m}  -  \mathbf{u}  \mathbf{r}  \mathbf{\delta}  \mathbf{e}  \mathbf{r}  -$	m u - s ə g a r -	s u g a r -	k   u   -   f   p   i   r   -   -
Catalan	1 1 3 1 5 1 5 1 5 1 5 1	m u - s ə y a		J   F
Walloon		1 1 1 1 1 1	s y s i:	
Friulian	mwardi-		c u c a:	
Romanian	1   44   -   44   -	m u r s e k a	s u dz e	
		0 0 2 2 4	5	

	ToSpit-Exconspuere	ToSpit-Sputare	ToKnow	ToKnow-Sapere
Latin	Propir Execuspation	- s p u t e r e	s k i: r e	s a p - e r e
French				s a v w a r
Spanish	e   s   k   u   -   p   i   r	e s p u t a r -		sab-er-
Italian	1   1   1   1	- s p u t a r e		s a p - e r e
PortugueseBrazi				s a b - е в -
Portuguese				s   e   b   -   e   r   -
Catalan	$  \mathbf{a}   \mathbf{s}   \mathbf{k}   \mathbf{u}   -   \mathbf{p}   \mathbf{i}   -$			s ə β - ε
Walloon				s a v - ø: R -
Friulian		s p u d a:		s a v - ei
Romanian	-  s  k  u  j  p  a -		$\int  \mathbf{t}  \mathbf{i}  $ – $ $ –	
	ToKnow-Cognoscere	ToThink	ToThink-Pensare	ToFear
Latin	k o g n o: s k e r e	k - o: g i t a: r e	p e: n s a: r e	t i m e: r e
French	$ \mathbf{k}   \mathfrak{d}  -  \mathbf{n}   \mathfrak{e}  -  \mathbf{t}   \mathfrak{u}  -  \mathbf{n} $	k   q   -   -   i   d   e   -   -	p   a   -   s   e   -   -	
Spanish	$ \mathbf{k}   \mathbf{o}  -  \mathbf{n}   \mathbf{o}   \mathbf{\theta}   \mathbf{e}   \mathbf{r}  -  \mathbf{r} $	k   w   -   -   i   d   a   r   -	p e n s a r -	t e m e r -
Italian	$ \mathbf{k}   \mathbf{o}  -  \mathbf{n}   \mathbf{o}  \int  \mathbf{f}   \mathbf{e}   \mathbf{r}   \mathbf{e} $	k - o dz i t a r e	p e n s a r e	t e m e r e
PortugueseBrazi	$ \mathbf{k} \mathbf{o} $ - $ \mathbf{n} \mathbf{e} \mathbf{s} $ - $ \mathbf{e} \mathbf{k} $ -	$ \mathbf{k}  -  \mathbf{u}  \mathbf{z}  \mathbf{i}  \mathbf{t}  \mathbf{a}  \mathbf{s}  $ -	p   e   -   s   a   r   -	t   e  m   e   r   -
Portuguese	k u - n i s - e r -	k - u 3 i t a r -	p e - s a r -	t i m e r -
Catalan	$ \mathbf{k}   \mathbf{u}  -  \mathbf{n}   \mathbf{\epsilon}   \mathbf{f}  -  \mathbf{a}  -  \mathbf{f} $		p ə n s a	t   e  m   ə   -   -
Walloon	k i - n o h		$p \mid \tilde{\epsilon} \mid - \mid s \mid e \mid - \mid - \mid$	
Friulian	k o - n o s - i		p e n s a:	t e m i
Romanian	k u - n oa ∫ t e	k - u dz e t a	p   ə   -   s   a   -   -	t e m e
	ToFear-Tremere	ToSleep	ToLive	ToDie
Latin				
	t r e m - e r e	d - o r m i: r e	w i: w e r e	
French	k   к   е   -   q   -   к   -	d -   2   R   m   i   R   -	v i v - B -	m u s i s -
French Spanish	k в ё - d - в г -	d - o t m i t -	v         i         v         -         r         -           b         i         b         i         r         -	m o r i r -
French Spanish Italian	k	d - o r m i r - d - o r m i r e	v i v - в - v i v e r e	m o r i r e
French Spanish	k	d - o t m i t -	v         i         v         -         r         -           b         i         b         i         r         -	m o r i r -
French Spanish Italian PortugueseBrazi	k       k       e       d       e       r       e         t       r       e       m       -       e       r       e         t       r       e       r       -       e       r       -       e         t       r       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r </td <td>q - o R m i R -         q - o L m i L e         q - o L m i L e         q - o R m i R -</td> <td>v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e</td> <td>m o r i r e m o r i r e</td>	q - o R m i R -         q - o L m i L e         q - o L m i L e         q - o R m i R -	v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e	m o r i r e m o r i r e
French Spanish Italian PortugueseBrazi Portuguese	k	q - n l m i r e       q - o r m i r e       q - o r m i r e       q - o r m i r e	v       i       v       -       в       -         b       i       b       i       r       -         v       i       v       e       r       e         v       i       v       e       r       -	m o r i r e m o r i r e
French Spanish Italian PortugueseBrazi Portuguese Catalan	k       k       e       d       e       r       e         t       r       e       m       -       e       r       e         t       r       e       r       -       e       r       -       e         t       r       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r </td <td>d - u r m i r e         d - o r m i r e         d - o r m i r e         d - o r m i r - e</td> <td>v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e</td> <td>m o r i r e m o r i r e m o r i r -</td>	d - u r m i r e         d - o r m i r e         d - o r m i r e         d - o r m i r - e	v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e	m o r i r e m o r i r e m o r i r -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon		d       -       n       r       u       i       -       -         d       -       o       r       m       i       r       -         d       -       o       r       m       i       r       -         d       -       o       r       m       i       r       -         d       -       o       r       m       i       r       -         d       -       o       r       m       i       r       -         d       -       o       r       m       i       r       -       -	v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e         v       i       v       e       r       e         b       i       w       e       r       e	m o k i - m o k e k - m o k i r e m o k e k -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	k       k       e       d       e       r       e         t       r       e       m       -       e       r       e         t       r       e       r       -       e       r       -       e         t       r       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r       -       e       r </td <td>d - u r m i r - d w a m i m i r - d w a m i m i r - d w a m i m i m i m i m i m i m i m i m i m</td> <td>  V   i   V   c   B   -                                </td> <td>m o r i r e m o r i r e m o r i r - m u r i - m u r i - m u r i -</td>	d - u r m i r - d w a m i m i r - d w a m i m i r - d w a m i m i m i m i m i m i m i m i m i m	V   i   V   c   B   -	m o r i r e m o r i r e m o r i r - m u r i - m u r i - m u r i -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	k       g       -       d       -	d - o r m i r - d - o r m i r - d - u r m i - d - u r m i - d - u r m i - d - u r m i - d - u r m i -	v       i       v       -       b       -	m o r i r e m o r i r e m o r i - m u r i - m u r i - m u r i - m u r i - m u r i -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -	d - u r m i r - d w a m i m i r - d w a m i m i r - d w a m i m i m i m i m i m i m i m i m i m	V   i   V   c   B   -	m o r i r e m o r i r e m o r i - m u r i - m u r i - m u r i - m u r i - ToKill-Mactare
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -	d - o r m i r - d - o r m i r - d - u r m i - d - u r m i - d - u r m i - d - u r m i - d - u r m i -	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r - m u r i - m u r i - m u r i - ToKill-Mactare m a k t a: r e
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -	d - o r m i r e d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d w a r m i - d - u r m i - ToKill-Adnecare	V   i   V   c   B   -	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i - m u r i - m u r i - Tokill-Mactare m a k t a: r e m a - t e -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i - d - u r m i ToKill-Adnecare	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r - m u r i - m u r i - m u r i - ToKill-Mactare m a k t a: r e
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       -       -       -	d - o r m i r e d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d w a r m i - d - u r m i - ToKill-Adnecare	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i - m u r i - m u r i - m u r i - Tokill-Mactare m a k t a: r e m a - t e - m a - t a r -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       -       -       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i - d - u r m i ToKill-Adnecare	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i - m u r i - m u r i - ToKill-Mactare m a k t a: r e m a - t e -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       -       -       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i - d - u r m i ToKill-Adnecare	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i - m u r i - m u r i - m u r i - Tokill-Mactare m a k t a: r e m a - t e - m a - t a r -
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	k       g       -       d       -       s       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i d - u r m i ToKill-Adnecare	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese	k       g       -       d       -       s       -         t       r       e       m       -       e       r       -         t       r       e       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       e       r       -         t       r       i       m       -       -       -       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i d - u r m i ToKill-Adnecare	V   i   V   C   K   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i - m u r
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	k       g       -       d       -       s       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i d - u r m i ToKill-Adnecare	V   i   V   C   B   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i
French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	k       g       -       d       -       s       -	d - o r m i r - d - o r m i r e d - o r m i r e d - o r m i r - d - u r m i r - d - u r m i d - u r m i d - u r m i ToKill-Adnecare	V   i   V   C   K   C   C   C   C   C   C   C   C	m o r i r e m o r i r e m o r i r e m o r i r e m o r i r e m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m u r i m a r i r e m a r r e m a r r e m a r r e m a r r e m a r r e m a r r e m a r r e m a r r e m a r r e m a r r e m a r r e

	ToKill-Occidere	ToFight	ToFight-Battuere	ToHunt-Captiare
Latin	o k k i: d e r e	p u g n a: r e	battuere	k a p t i a: r e
French	э k s i в -		b a t в	$\int a - s - e - e$
Spanish		p   u   -   n   a   r   -	ba-t-ir-	$\begin{vmatrix} \mathbf{k} & \mathbf{a} & - & \mathbf{\theta} & - & \mathbf{a} & \mathbf{r} \end{vmatrix}$
Italian	$ \mathbf{u}  \mathbf{t}  \mathbf{f}  \mathbf{i}  \mathbf{d}  \mathbf{e}  \mathbf{r}  \mathbf{e}$	p u n n a r e	b a t t - e r e	k a t tf - a r e
PortugueseBraz			рагтеве	k a - s - a r -
rortuguesebraz			b   a   -   t   -   C   в   -	K   a   -   S   -   a   B   -
Portuguese			b   e   -   t   -   e   r   -	k   e   -   s   -   a   r   -
Catalan	u k s i	p   u   -   n   a   -   -	ba-t-rə	k ə - s - a
Walloon	u   K   S   I   -   -   -   -	$ \mathbf{p} \mathbf{u}  =  \mathbf{j} \mathbf{a}  =  \mathbf{j} $	b a t - e	
Friulian			b a t - i	
Romanian	u - tf i d e - -			$ \mathbf{c} \mathbf{a}  -  \mathbf{tf}  -  \mathbf{a}  -  \mathbf{c} $
Nomanian		ToCut		TaCut Evanutara
Latin	ToHit		ToCut-Curtare	ToCut-Excurtare
	p u l s a: r e		k u r t a: r e	e k s k u r t a: r e
French	p u - s e	s   j   e   -   -   -	1	e   -   -   k   u   в   t   e   -   -
Spanish	p u - x a r -	s - e g a r -	$ \mathbf{k}  \mathbf{o}  \mathbf{r}  \mathbf{t}  \mathbf{a}  \mathbf{r}  $	
Italian	p u l s a r e	s - e g a r e		-   -   s   k   o   r   t   a   r   e
PortugueseBraz		s   -   e   g   a   r   -	k o r t a r -	
Dortuguese			1, 1, 1 , 1 , 1 , 1	
Portuguese	$p  u  -  \int  a  f $	$ \mathbf{s}  -  \mathbf{i}  \mathbf{\gamma}  \mathbf{a}  \mathbf{r}  $	k u r t a r -	
Catalan		$ s  -  \vartheta  \gamma  a  -  -$		
Walloon				
Friulian	p u 1 s a:	s - e - a:		-   -   s   k   u   r   t   a:   -   -
Romanian	p u 1 s a			-   -   s   k   u   r   t   a   -   -
1 1	ToCut-Taliare	ToSplit	ToSplit-Scindere	ToSplit-Findere
Latin	t a: - l i a: r e	d i: w i d e r e	s k i n d e r e	f i n d e r e
French	t   a   j   -   -   e   -   -		$ s  -  \tilde{\epsilon}  -  d e  -  -$	$ \mathbf{f}   \mathbf{g}  -  \mathbf{q}  -  \mathbf{R}  -$
Spanish	t a - x - a r -	d i b i d i r -		- e n d e r -
Italian	t a - A A a r e	d i v i d e r e	$\int \left  - \right  i \left  n \right  d \left  e \right  r \left  e \right $	$f \mid \epsilon \mid n \mid d \mid e \mid r \mid e$
PortugueseBraz	t   a   -   K   -   a   B   -	ф і v і ф і к -		$\left  \mathbf{f} \left  \mathbf{\tilde{e}} \right  - \left  \mathbf{d} \right  \mathbf{e} \left  \mathbf{\kappa} \right  - \right $
Portuguese	t e - A - a r -	d i v i ð i r -		$ \mathbf{f}   \mathbf{\tilde{e}}  -  \mathbf{d}   \mathbf{e}   \mathbf{r}  -  \mathbf{r} $
Catalan	t   ə   -   A   -   a   -   -	d   i   b   i   d   i   -   -		$f \mid \varepsilon \mid n \mid d \mid - \mid r \mid \vartheta$
Walloon	t   ε   -   -   j   i:   -   -			$\left  \mathbf{f} \left  \mathbf{ ilde{\epsilon}} \right  - \left  \mathbf{t} \left  - \right  - \right  - \right $
Friulian	t a j a:	d i v i d i		
Romanian	t   ə   -   -   j   a   -   -	d   i   v   i   d   e   -   -		
	ToSplit-Partire	ToSplit-Separare	ToStab	ToStab-lugulare
Latin	p a r t i: r e	s e: p a r a: r e -	p - u n g e r e	j u g u l a: r e
French	b a r   t   i   r   -	s ə - v <b>x</b> e	$ \mathbf{b} \mathbf{m}  \mathbf{\hat{\epsilon}}  $ - $ \mathbf{q}  $ - $ \mathbf{r}  $ -	3   y   g   y   1   e   -   -
Spanish	partir-	s e p a r a r		
Italian	p a r t i r e	s e p a r a r e -	p - u n dz e r e	j  u   g   u   1   a:   r   e
PortugueseBraz		separar-	р - й - з і в -	
	b   a   R   ft   i   R   -	S С Р а I а в	1   3	
Portuguese		$\begin{vmatrix} \mathbf{s} & \mathbf{i} & \mathbf{p} & \mathbf{k} \end{vmatrix} = \begin{vmatrix} \mathbf{s} & \mathbf{i} & \mathbf{k} \end{vmatrix} = \begin{vmatrix} \mathbf{i} & \mathbf{k} & \mathbf{k} \end{vmatrix}$		
Portuguese	p   g   f   i   f   -	s   i   p   e   r   a   r   -   -	p   -   ũ   -   ʒ   i   r   -	
Portuguese Catalan	p   p   r   t   i   r   - p   ə   r   t   i   -	s   i   p   e   r   a   r   -   -	p   -   ũ   -   ʒ   i   r   -	

	ToScratch	ToScratch-Rasare	ToScratch-Rasicare	ToScratch-Coctiare
Latin	r a: d e r e	. o o o i o i o i o i o i o i o i o i o		rocordion Coolidae
French	-   -   -   -   -   -   -   -   -   -	в а z е		
Spanish	r a - e r -	r a s a r -	r a s k a r	
Italian	r a d e r e	r a s a r e		
PortugueseBrazi		ва zав -	ва ј ка в	k o s a l
. ortagacoobrazi			D   U   J   I   U   D	
Portuguese	R B - 6 U -	R B Z Z L -	в в ј к а г	k u s a r
Catalan	r a w - r ə	r ə z a	rəska-	
Walloon	1   4   1   0	1 0 2 4		
Friulian	r a d a:	r a s a:		
Romanian	r a d e			
	ToDig	ToDig-Cavare	ToDig-Excavare	ToSwim
Latin	f o d e r e	k a w a: r e	e k s k a w a: r e	n - a t a: r e
French	fwir		0     0     0   1   1   0   -   0	
Spanish		kabar-	e s k a b a r	n - a d a r -
Italian		k a v a r e	- skavare	n w o t a r e
PortugueseBrazi		к в м а в -	i - f kevar -	n - a d a в -
			J     -   -   -   -	1 1 1 1 1
Portuguese		k e v a r -	i   -   f   k   e   v   a   r   -	n   -   e   ð   a   r   -
Catalan		k ə b a	1 13 1 1 1 1 1	n - ə d a
Walloon		ç a: v - 1 e		
Friulian		Java:	-   -   z   <del>J</del>   a   v   a:   -   -	n - a d a: - -
Romanian		3   12   1   12   1	1 1 1 1 3 1 3 1 3 1 3 1	1 1 1 2 1 2 1 2 1 1
	ToSwim-Navigare	ToFly	ToFly-Exvolare	ToWalk
Latin	n a v i g a: r e	w o l a: r e		
French	n a 3 e	v o l e		$\int \left  \mathfrak{d} \right  m \left  \mathfrak{i} \right  n \left  \mathfrak{e} \right  - \left  - \right $
Spanish	n a b e g a r -	b o 1 a r -		k a m i n a r
Italian	n a v i g a r e	v o l a r e	z v o l a r e	k a m m i n a r e
PortugueseBrazi	$ \mathbf{n}  \mathbf{a}  \mathbf{v}  \mathbf{i}  \mathbf{y}  \mathbf{a}  \mathbf{E} $ -	v   o   -   a   ʁ   -		k   e   m   i   n   a   в   -   -
Portuguese	n e v i y a r -	v   w   -   a   r   -		k e m i n a r
Catalan	n ə b ə g a	b u 1 a		k   ə m   i   n   a   -   -   -
Walloon	$ \mathbf{n}   \mathbf{\epsilon}  -  \mathbf{d}\mathbf{g}   \mathbf{i}\mathbf{r}  -  \mathbf{g} $	v   o   l   e   -   -		tf   i   m   i   n   e   -   -   -
Friulian	n a v i g a:		z v o 1 a:	c   a   m   i   n   a:   -   -   -
Romanian	n a v i g a		z b u r a	
	ToWalk-Marcher	ToWalk-Mergere	ToWalk-Ambitare	ToCome
Latin				
		$ \mathbf{m}   \mathbf{e}   \mathbf{r}   \mathbf{g}   \mathbf{e}   \mathbf{r}   \mathbf{e} $	a m b i t a: r e	w e n i: r e
French	$ \mathbf{m} \mathbf{a} \mathbf{g} \mathbf{g}$	$ \mathbf{m}  \mathbf{e}   \mathbf{r}   \mathbf{g}   \mathbf{e}   \mathbf{r}   \mathbf{e}$		v ə n i в -
Spanish	$ \mathbf{m} $ а $ \mathbf{s} $ $\int  \mathbf{e} $		a n d - - a r -	v ə n i в - b e n i r -
Spanish Italian		$ \mathbf{m}  \mathbf{e}   \mathbf{r}   \mathbf{g}   \mathbf{e}   \mathbf{r}   \mathbf{e}$ $ \mathbf{m}  \mathbf{\epsilon}   \mathbf{r}   \mathbf{d}   \mathbf{e}   \mathbf{r}   \mathbf{e}$	a   n   d   -   -   a   r   -   a   n   d   -   -   a   r   e	v ə n i в - v e n i r e
Spanish			a n d - - a r -	v ə n i в - b e n i r -
Spanish Italian PortugueseBrazi			а n d а r е е e e e e e e e e e e e e e e e e e e e	p       e       u       i       t       e         n       i       t       e       e       r       e         n       i       i       r       e       e       r       e
Spanish Italian PortugueseBrazi Portuguese			a   n   d   -   -   a   r   -   a   n   d   -   -   a   r   e	A     A     B
Spanish Italian PortugueseBrazi Portuguese Catalan			а n d а r е е e e e e e e e e e e e e e e e e e e e	v       -       i       r       -         v       e       n       i       r       e         v       e       n       i       r       e         v       -       -       i       r       e         v       -       -       i       r       e         v       -       -       i       r       e         v       -       -       i       r       e
Spanish Italian PortugueseBrazi Portuguese Catalan Walloon			а n d а r е е e e e e e e e e e e e e e e e e e e e	v       i
Spanish Italian PortugueseBrazi Portuguese Catalan			а n d а r е е e e e e e e e e e e e e e e e e e e e	v       -       i       r       -         v       e       n       i       r       e         v       e       n       i       r       e         v       -       -       i       r       e         v       -       -       i       r       e         v       -       -       i       r       e         v       -       -       i       r       e

	ToLieAsInABed	ToLieAsInABed-lacere	ToSit	ToSit-Sedentare
Latin	e k s t e n d e r e	j a - k e: r e	s - e d e: r e	s e d e n t a: r e
French	$ \mathbf{e} $ - $ \mathbf{t} $ $ \mathbf{\tilde{a}} $ - $ \mathbf{d} $ - $ \mathbf{r} $ - $ \mathbf{r} $	3 e - z i B -	s w a в -	
	e k s t e n d e r -	j a - θ e r -	s - e - r - r	
Italian	$ e  -  s  t  \epsilon  n  d  e  r  e$	dg a - tf e: r e	s - e d e r e	
PortugueseBrazi	$ \mathbf{i}  \mathbf{s}  \mathbf{t}  \mathbf{\tilde{e}}  - \mathbf{d}  \mathbf{e}  \mathbf{g} - -$	3   s   -   z   e   r   -	8 - 6 8 -	
Dortuguese	: r + *    .  -  -  -  -  -  -  -  -  -  -  -  -		s   -   e   -   -   r   -	
Portuguese Catalan	i f t e - d e r	3 g - z e r -	8   -   e   -   -   r   -	s e tar-
Walloon	$\begin{vmatrix} \mathbf{a} \end{vmatrix} - \begin{vmatrix} \mathbf{s} \end{vmatrix} \mathbf{t} \begin{vmatrix} \mathbf{e} \end{vmatrix} \mathbf{n} \begin{vmatrix} \mathbf{d} \end{vmatrix} - \begin{vmatrix} \mathbf{r} \end{vmatrix} \mathbf{a}$	3 a w r ə d ə d e r e -		
Friulian		j e - s i		s   e   -   -   n   t   a:   -   -
Romanian	e   k   s   t   i   n   d   e   -   -	z ə - tf ea	∫   -   e   d   ea   -   -	
rtomaman	ToStand	ToStand-Levare	ToStand-Altiare	ToTurnIntransitive
Latin	- s t a: r e	l e v a: r e	- a l t i a: r e	t o r n a: r e
French	ε - t - r -	1 ə v e	- o - s - e	t u r n e
	e s t a r	jebar-	$- \begin{vmatrix} a & 1 & \theta \\ a & 1 \end{vmatrix} - \begin{vmatrix} a & r \\ a & r \end{vmatrix} -$	tornar-
Italian	- s t a r e	l e v a r e	- a l ts a r e -	t o r n a r e
PortugueseBrazi		levar -	- a 1 s - a	tokuak-
3				
Portuguese	$ \mathbf{i}  \int  \mathbf{t}  \mathbf{a}  \mathbf{r} $	1   i   v   a   r   -	-   a   1   s   -   a   r   -	t u r n a r -
Catalan	ə s t a	Λ ə b a	-   ə   1   s   -   a   -   -	t u r n a
Walloon	ε s	l ə v e	h   5:   -   s   -   i:   -   -	t u: r n e
Friulian	- s t a:	1 e v a:	- a l t f - a: -	t o r n a:
Romanian	-   s   t   a   -   -			t   u   r   n   a   -   -
	ToTurnIntransitive-Gyrare	ToTurnIntransitive-Ancest	r:ToTurnIntransitive-Torque	
Latin	g y r a: r e		t o r k <sup>w</sup> e: r e	k - a d e r e
French	3 i k e	v i k e	t   2   R   q   -   R   -	
Spanish	x i r a r -	b i r a r -	t o r θ e r -	
Italian	dg i r a r e	v i r a r e	t o r tf e r e	k - a d e r e
PortugueseBrazi	3   i   r   a   r   -	v i r a r -	t u r s e r -	
Portuguese	3   i   r   a   r   -	3   i   r   a   r   -	t  u r s e r -	
Catalan	3 i r a	b i r a	t a r s a	k - a w - r ə
Walloon	3   1   1   4	v i k e	τ   3   1   3   θ	tf - E: R -
Friulian	dg i r a:	dy i r a:		tf j a d e
Romanian	[49] 1   1   tar-		t oar tfe	k ə d ea
	ToFall-Tumbare	ToHold	ToHold-Segurar	ToSqueeze
Latin		t e n - e: r e	· · · · · · · · · · · · · · · · · · ·	e k s p r i m - e r e
French	t   õ   -   b   e   -	t ə n - i в -		e   -   -   p   r   \tilde{\varepsilon}   -   q   -   r   -
Spanish	t u m b a r	t e n - e r -	s e g u r a r	eksprem-ir-
Italian		t e n - e r e		-   -   s   p   r   ε   m   -   e   r   e
PortugueseBrazi	t   o   -   b   a   r	t   e   -   -   B   -	s i d n t a R	i   -   \( \begin{array}{ c c c c c c c c c c c c c c c c c c c
Portuguese	t   õ   -   b   a   r	t   e   -   -   r   -	s  i  y  u  r  a  r	i   -   f   p   r   ə   m   -   e   r   -
Catalan	t u m b a	t ə n - i	-   0   8   00   -   00   2	$\begin{vmatrix} \mathbf{a} & \mathbf{b} & \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{a} & \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} & \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & \mathbf{c} \end{vmatrix} = \begin{vmatrix} \mathbf{c} & \mathbf{c} \\ \mathbf{c} & c$
Walloon	t u m - e -	t i n - i		-     -   -   -   -   -   -
Friulian		t i n j i		e   -   s   p   r   i   m   -   i   -   -
Romanian		ts i n - e		- s k - r e m e

	ToSqueeze-Serrere	ToSqueeze-Serare	ToSqueeze-Appectorare	ToSqueeze-Stringere
Latin	s e r r e r e	s e - r a r e	a p p e k t o r a: r e	- s t r i n g e r e
French		s   e   -   R   e   -   -		$\begin{bmatrix} \mathbf{e} & - & \mathbf{f} & \mathbf{R} & \mathbf{\tilde{g}} & - & \mathbf{q} & - & \mathbf{R} & - \\ \mathbf{g} & \mathbf{f} & \mathbf{I} & \mathbf{I} & \mathbf{R} & \mathbf{G} & \mathbf{f} & \mathbf{G} \end{bmatrix}$
Spanish	s e - r a r -	θ e - r a r -	a   -   p   -   -   r   e   t   a   r   -	e s t r e n - i r -
Italian		s e r r a r e	· · · · · · · · · · · · · · · · · · ·	- s t r i n dz e r e
PortugueseBrazi	s e -	s і - в а г -	e - p i - r - t a r -	$\partial \int \mathbf{r} \cdot r$
Portuguese	$ \mathbf{s}   \mathbf{a}  -  \mathbf{R}   \mathbf{a}   \mathbf{f}  -$	s i - R a v -	$ \mathbf{e}  -  \mathbf{p}  \mathbf{i} -  \mathbf{r}  -  \mathbf{t}  \mathbf{a}  \mathbf{r}  -  \mathbf{e} $	$\left  \begin{array}{c c c c c c c c c c c c c c c c c c c $
Catalan	s   a  -  r   a  -  a			$\begin{vmatrix} \mathbf{a} & \mathbf{s} & \mathbf{t} & \mathbf{r} & \mathbf{\epsilon} & \mathbf{n} & \mathbf{a} \end{vmatrix} = \begin{vmatrix} \mathbf{a} & \mathbf{s} & \mathbf{r} & \mathbf{s} \end{vmatrix}$
Walloon		$ s \epsilon - R e - -$		s t r i n g e
Friulian				s t r ε n g i:
Romanian				s t r i n d e
	ToRub	ToRub-Exfricare	ToRub-Frictare	ToRub-Frictiare
Latin	f r i k a: r e		f r i k t a: r e	
French	f κ εj e		f	
Spanish Italian	fregar-		frotar- frettare	f r i s a r
PortugueseBrazi	f r e g a r e	$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  g  \mathbf{a}  \mathbf{r}$	r   e   t   t   a   r   e	
Fortuguesebrazi		$ \mathbf{f} \mathbf{J} \mathbf{I} \mathbf{I} \mathbf{I} \mathbf{g} \mathbf{a} \mathbf{I}$		
Portuguese		i   f   f   i   y   a   r		
Catalan	f   r   ə   g   a   -   -			f r ə s a -
Walloon	f r oj		f   B   O   t   e   -   -   -	1-1-1-1-1-1
Friulian	f r e - a			
Romanian	f r e k a			
	ToWash	ToWipe	ToWipe-Extergere	ToWipe-Exsucare
Latin	l a w a: r e	t e r g e r e	e k s t e r g e r e	e k s - u: k - a: r e
French	1 a v e			e - s y i - j e
Spanish	l a β a r -		e   -   s   t   a   r   s   i   r   -	e n x - u g - a r -
Italian	l a v a r e	$t \mid \varepsilon \mid r \mid dg \mid e \mid r \mid e$		$\begin{bmatrix} a & \int \int \int -u & g & -u & r & e \end{bmatrix}$
PortugueseBrazi	1   e   v   a   r   -			$ \tilde{e}  -  \int  - u g  -  a r $
Portuguese	1   e   v   a   r   -			$ \tilde{e}  -  \int  - u  \gamma  - a  r  -$
Catalan	К ə b a		ə - s t ə r 3 i	$\begin{vmatrix} \mathbf{a} \\ \mathbf{b} \end{vmatrix} - \begin{vmatrix} \mathbf{f} \\ \mathbf{f} \end{vmatrix} - \begin{vmatrix} \mathbf{u} \\ \mathbf{g} \end{vmatrix} \begin{vmatrix} \mathbf{g} \\ \mathbf{a} \end{vmatrix} - \begin{vmatrix} \mathbf{f} \\ \mathbf{g} \end{vmatrix} - \begin{vmatrix} \mathbf{g} \\ \mathbf{g} \end{vmatrix} = \begin{vmatrix} \mathbf{g} \\ g$
Walloon	1 a v e		-   0   0   0   2   3   1	s - u - w e
Friulian	1 a v a:			-   -   s   -   u   -   j   a:   -   -
Romanian	1 a		-   -   f   t   e   r   dg   e   -   -	u - s k - a
	ToWipe-Limpidare	ToPull	ToPull-Pulsare	ToPull-Trahere
Latin	l i m p i d a: r e	t i r a: r e	p u l s a: r e	t r a h e r e
French		t   i   в   e   -   -	p u - s e	$ \mathbf{t} \mathbf{R} $ - $ \mathbf{\epsilon} \mathbf{R} $ -
Spanish	1   i   m   p   j   -   a   r   -	t i r a r -	p u - x a r -	
Italian		t i r a r e	p u l s a r e	t r a r - r e
PortugueseBrazi	$ 1 \tilde{\imath} - p - - a r -$		$p u  -  \int  a  r $	t   r   a   z   e   -   -
Portuguese	1   î   -   p   -   -   a   r   -	t   i   r   a   r   -		t r e z e r -
Catalan	1   1   -   p   -   -   a   r   -		$p u  -  \int  a  f $	t r e z e r -
Walloon		t i r e	p  u:  s   i:   -   -   -	t   1   E   W   -   1   8
Friulian		t i r a:	p u l s a:	t   r  aj  -   -   -
Romanian		t   1   1   a	p u l s a	t radge
i Willalliall			Parsa	t 1 a us c

	ToPush	ToThrow	ToThrow-Lanceare	ToThrow-Eruncare
Latin	i m p i n g e r e	j a k t a: r e	l a n k e a: r e	e: - r u n k a: r e
French		3 ə - t e	1   <del>a</del>   -   s   -   e   -   -	
Spanish		-   e   -   tf   a   r   -	1 a n θ - a r -	a   -   r   a   n   k   a   r   -
Italian	i  m   p   i   n   dz   e   r   e	dg e t t a r e	lantfare-	a   r   r   o   n   t
PortugueseBrazi		3   ej   t   a   r   -   -	$ 1 \tilde{e} - s - a - -$	
Portuguese		3   ej   t   a   r   -   -	1   <del>e</del>   -   s   -   a   r   -	
Portuguese Catalan	ə  m   p   ε   n   -   ə   -   -	x i t a	$\Lambda = \Lambda =$	
Walloon		dg ε t e	l a n c - i:	
Friulian		1-91-01-01-01-01-01-01-01-01-01-01-01-01-01	l a n tf a:	
Romanian	i m p i n d e		, , , , , , , , , , , , , , , , , , ,	a   -   r   u   ŋ   k   a   -   -
	ToTie	ToTie-Aptare	ToSew	ToCount
Latin	l i g a: r e	a p t a r e	k o: n - s u e r e	k o m p u t a r e
French	1 i - e		k u - d в -	k õ t e
Spanish	l e g a r -	a   -   t   a   r   -	k o s - e r -	kon-tar-
Italian	1   e   g   a   r   e		k u tf - i r e	
PortugueseBrazi		e   -   t   a   r   -	k   u   -   -   z   -   e   r   -	K   U   -   -   -   t   a   f   -
Portuguese		e   -   t   a   r   -	k   u   -   -   z   -   e   r   -	k   õ   -   -   t   a   r   -
Catalan	$ \Lambda i \gamma a - -$		k u z - i	k u m t a
Walloon	1   <b>3</b>   <b>j</b>   <b>i</b> :   -   -		k ø: z	k   õ   -   -   t   e   -   -
Friulian	1 e - a:		k u z i	
Romanian	1 e g a		c oa s - e	
1 - 41	ToCount-Enumerare	ToSay	ToSay-Exponere	ToSing-AncestralClass
Latin French	e: n u m e r a: r e e n u m e r e	d i k e r e	e k s p o: n e r e	$\begin{vmatrix} k & a & n & t & a \\ \int & \tilde{\alpha} & - & t & e & - & - \end{vmatrix}$
Spanish	e n u m e r a r -	d e θ i r -		kantar-
Italian	e n u m e r a r e	d i - r e	-   -   s   p   o   r   -   r   e	k a n t a r e
	e n u m e r a r -	d i z - e r		k e - t a r -
Portuguese	e n u m e r a r -	d i z - e r		k e - t a r -
Catalan	e   n   u   m   e   r   a   -   -	d   i   -   -   -		k ə n t a
Walloon Friulian		q   i:   -   -   -   -     -		tf a - t e
Romanian	-   n   u   m   a   r   a   -   -		-   -   s   p   u   n   e   -   -	c   a   n   t   a:   -   -
	ToPlay-Ludere	ToPlay-Jiocare	ToFloat	ToFloat-Fluitare
Latin	1 u: d e r e	j o - k a: r e	f l u: k t u a: r e	f l u i t a: r e
French		3 - w - e	f l y k t y e	
Spanish	$ 1 \mathbf{u} \mathbf{d} \mathbf{i} \mathbf{r} $	xu-gar-	f l u g t w a r	
Italian		dg o - k a r e	f l u t t u a r e	f   1   u   i   t   a   r   e
PortugueseBrazi		3   o   -   g   a   r   -	f   1   u   -   t   u   a   в   -	
Portuguese		$ \mathbf{z} \mathbf{u}  -  \mathbf{y} \mathbf{a} \mathbf{r} $	f   1   u   -   t   u   a   r   -	
Catalan		3   u	f l u k t u a	
Walloon		dy u w - e	1 1 2 2 2 2 4 2 4 2 4	
Friulian		d u j - a:		
Romanian		3 u - k a	f   1   u   c   t   u   a   -   -	

	ToFlow	ToFlow-Colare	ToFlow-Excurrere	ToFlow-Currere
Latin French Spanish Italian PortugueseBrazi	f       l       u       e       r       e         f       l       y       e       -       -         f       l       u       i       r       e         f       l       w       i       s       -	k       o:       l       a:       r       e         k       u       l       e       -       -         k       o       l       a       r       e         k       o       -       a       r       e         k       o       -       a       r       e	e   k   s   k   u   r   r   e   r   e     e     e     e       e	k       0       r       e       r       e       r         k       0       r       e       r       e         k       0       r       e       r       e         r       r       e       r       e       e
Portuguese Catalan Walloon	$ \begin{vmatrix} \mathbf{f} & \mathbf{l} & \mathbf{w} & \mathbf{i} & \mathbf{f} \\ \mathbf{f} & \mathbf{l} & \mathbf{u} & \mathbf{i} & - \end{vmatrix} - $	$ \begin{vmatrix} k & u & - & a & r & - \\ k & u & t & a & - & - \\ k & o & l & e & - & - \\ \end{vmatrix} $	$ \begin{vmatrix} \mathbf{i} & - & \mathbf{j} & \mathbf{k} & \mathbf{u} & - & \mathbf{k} & \mathbf{e} & \mathbf{r} \\ \mathbf{a} & - & \mathbf{s} & \mathbf{k} & \mathbf{o} & - & \mathbf{r} & \mathbf{a} & - & - \end{vmatrix} $	
Friulian Romanian			s k o - r i: s k u r dz e	ko-ri
	ToFreeze	ToFreeze-Glaciare	ToFreeze-Inglaciare	ToBurn-Brojan
Latin French Spanish Italian PortugueseBrazi	g e l a: r e g o l e e l a r - dg e l a r e	$ \begin{vmatrix} g & 1 & a & - & k & i & a : r & e \\ g & 1 & a & - & s & - & e & - & - \end{vmatrix} $ $ g & j & a & t & t & j & a & r & e $	i  n   g   1   a   k   i  a:  r   e	b   s   y   1   e   -   -   b   r   u   t   a   r   e
Portuguese Catalan Walloon Friulian Romanian	3   i   1   a   r   - 3   a   1   a   - d   a   1   e   -	g   1   ə   -   s   -   a   -   -   -   g   1   a   -   tf   -   a:  -   -	i   n   g   -   e   ts   -   a   -   -	b   r   u: 1   e   -   -   -   -   -   -   -   -   -
	ToBurn-Cremare	ToBurn-Flammare	ToBurn-Ardere	ToBurn-Flagrare
Latin French Spanish Italian PortugueseBrazi	k       r       e       m       a       r       e         k       s       a       m       e       -       -         k       e       e       m       a       r       e         k       r       e       m       a       r       e         k       r       e       m       a       r       e	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	a r d e r e a r d e r e a r d e r -	f l a g k a r e f l a g r a r e f l a g r a r e
Portuguese Catalan Walloon Friulian Romanian	$ \begin{vmatrix} k & - & ej & m & a & b & e \\ k & r & a & m & a & - & - \end{vmatrix} $	f   1   a   m   a   -   -   -	e   r   d   e   r   -	f  1  a g  r  a r
	ToBurn-Incendere	ToBurn-AncestralClass8	All	All-Totus
Latin French Spanish	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	u s t u l a: r e	o m n e: s	t o: - t u s t u t o - d o -
Italian PortugueseBrazi Portuguese	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \mathbf{u}  \mathbf{s}  \mathbf{t}  \mathbf{o}  \mathbf{l}  \mathbf{a}  \mathbf{r}  \mathbf{e}$	o   n   n   i   -	t   u   t   t   o   -     t   o   -   d   u   -
Catalan Walloon Friulian				t o - b u - t o - t t o d u - t
Romanian	i n t i n d 3 e	u   s   t   u   r   a   -   -		t o - t

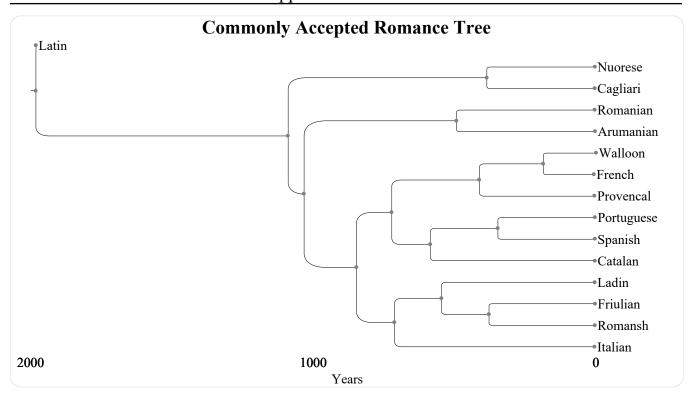
	Many	Many-Tantus	Some	Few
Latin	m u l t u s	t a n t u s		pauk u s
French	m u		o   -   k   œ   -   -	$ \mathbf{p}   \mathbf{w}  -  \mathbf{p} $
Spanish	mu - tf o -	t   a   n   t   o   -	a l g u n o	poko-
	m o l t o -	t a n t o -	a l k u n o	p 3 k 0 -
PortugueseBrazi		$ t  \tilde{e}  - t  u  -$	$a  \mathbf{w}  g  \mathbf{\tilde{u}}  -  \mathbf{v} $	p  o  w  k  u
Portuguese Catalan	$ \begin{vmatrix} m & \tilde{u} & \tilde{j} & - & t & u \\ m & o & 1 & - & - & - \end{vmatrix} $	$ \begin{vmatrix} t & \tilde{e} \\ t & a \end{vmatrix} - \begin{vmatrix} t & u \\ t & - \end{vmatrix} - \begin{vmatrix} t & u \\ - & - \end{vmatrix} - \begin{vmatrix} t & u \\ - & - \end{vmatrix} - \begin{vmatrix} t & u \\ - & - \end{vmatrix} $	$\begin{vmatrix} \mathbf{a} & \mathbf{l} & \mathbf{g} & \mathbf{\tilde{u}} \\ \mathbf{a} & \mathbf{l} & \mathbf{g} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{l} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{l} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix} = \begin{vmatrix} \mathbf{l} & \mathbf{u} \\ \mathbf{u} & \mathbf{u} \end{vmatrix}$	$ \begin{vmatrix} p & o & w & k & u \\ p & o & k & - & - \end{vmatrix} $
Walloon Friulian	m o 1 c	t a n c		p   o   -   -   -   -
Romanian	m u 1 t			
	Other	Other-Alius	Big	Big-Grandem
Latin	a 1 t e r -	a l i u s	m a g n u m	g r a n d e m
French	o - t - r -			g r g
Spanish	$ \mathbf{o}  -  \mathbf{t}  -  \mathbf{f}  \mathbf{o}$		m a - n o -	g r a n d e -
Italian	a l t - r o		$m \mid a \mid p \mid p \mid o \mid$ -	g r a n d e -
PortugueseBrazi	o   w   t   -   r   u	$ \mathbf{a} \mathbf{w} $ - $ - - $		$ g r \tilde{e} - dg i -$
Portuguese	o w t - $ f u$	a   1   -   -   -		$ g r \tilde{e}- d \dot{e}$
Catalan	a 1 t - r ə			g r a n
Walloon	õ - t			g r g
Friulian	a l t - r i			g r a n t
Romanian	a 1 t			
	Big-Majjorem	Long-Longum	Long-Largum	Wide
Latin	m aj j o r e m	1 o - n g u m	l a r g u m	l a: t u m
French		1   3   -   -   -   -	1 а в 3	1 e
Spanish		1 o - n g o -	laryo-	1 a t o -
Italian		l u - n g o -	l a r g o -	1 a t o -
PortugueseBrazi		$ 1 \tilde{o} - g u - -$	1   a   u   g   u   -	1   a   t   u   -
Portuguese		1   õ   -   g   u   -   -	l   a   r   g   u   -	1 a t u -
Catalan		$\Lambda \circ - \eta$	баrk	
Walloon		1 0		
Friulian		l u n k	l a r k	
Romanian	mare	1 u n g	l a r g	1 a t
	Wide-Amplum	Heavy	Heavy-Lurdus	Heavy-Pesant
Latin	a m p l u m	g r a w i s	l u r d u s	pe: sant-
French	$ \tilde{a}  -  \tilde{p} 1  -  -$	g   <b>B</b>   <b>a</b>   <b>V</b>   -   -	1 u в	$\begin{vmatrix} \mathbf{r} \\ \mathbf{p} \end{vmatrix} \mathbf{a} \begin{vmatrix} \mathbf{r} \\ \mathbf{a} \end{vmatrix} - \begin{vmatrix} - \\ - \end{vmatrix} - \begin{vmatrix} - \\ - \end{vmatrix}$
Spanish	a n ff - o -	g r a b e -	1 e r d o -	$\begin{vmatrix} \mathbf{p} & \mathbf{e} & \mathbf{s} & \mathbf{a} \end{vmatrix} - \begin{vmatrix} \mathbf{\delta} & \mathbf{o} \end{vmatrix}$
Italian	ampjo-	$g \mid r \mid \epsilon \mid v \mid e \mid$	1 o r d o -	p e s a n t e
PortugueseBrazi	$ \widetilde{\mathfrak{e}}  -  \int  - u  -$	$ g  \mathbf{r}  a  \mathbf{v}  i $	$1 \mid e \mid r \mid d \mid o \mid$	$ \mathbf{p}   \mathbf{e}   \mathbf{z}   \mathbf{a}  -  \mathbf{d}   \mathbf{u} $
Portuguese	$ \tilde{e}  -  \int  - \mathbf{u}  -$	g r a v i -	l   e   r   d   o   -	$ p  \mathbf{i}  z  \mathbf{a} -  \mathbf{\delta}  \mathbf{u}$
Catalan	a m p l ə -	g r e w	1 0 1 4 0	p ə z a - t -
Walloon	u   m   p   1   0	g r a v		P 0 2 4   t
Friulian		g r $\epsilon$ v i -		p e z a n t -
i iidiidii				PICIZIAIIII
Romanian		g r e w		

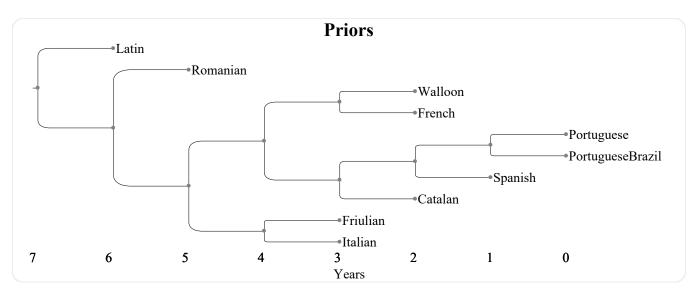
	Small	Small-Pittinus	Small-Pitulus	Short
Latin	p i t t i t u s	p i t t i n u s	p i - t u 1 u s	k u r t u s
French	p ə - t i			k u в
Spanish		p   e   -   k   e   n   o   -		korto-
Italian		p i t t i n o -	p i k k o l o -	k o r t o -
PortugueseBrazi		p   e   -   k   e   n   u   -		
Portuguese		p i - k e n u -		k u r t u -
Catalan	p   ə   t   i   t   -   -   -			k u r t
Walloon	p   i   -   t   i   -   -   -			k u:
Friulian		p   u   -   ts   i   n   -   -	$p \mid i \mid - \mid t f \mid u \mid 1 \mid - \mid - \mid$	k   u   r   t   -   -
Romanian	Short-Brevis	Narrow	Narrow-Strictus	Thin
Latin	b r e w i s	a n g u s t u s		m i n u: - t u s
French	p κ ε t	$ \alpha   \alpha   \beta   \alpha   \beta   \alpha   \beta $	e - t & w a	m ə n y
Spanish	brebe-	a n g o s t o -	e s t r - e tf o -	m e n u - d o -
Italian	b r ε v e -	a n g u s t o -	- s t r - e - t t o -	m i n u - t o -
PortugueseBrazi			i s t r - ej t u -	m i - u - d u -
Portuguese	b r ε v i -		i   f   t   r   -   ej   -   -   t   u   -	$ \mathbf{m}  \mathbf{i}   -  \mathbf{u}  -  \mathbf{\delta}  \mathbf{u}   -$
Catalan	b r e w		ə s t r - ε - t	m ə n u - t
Walloon	b в е f		- s t в - ø:	m i n u
Friulian			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	m i n u: - t
Romanian		$ \mathbf{i}  \mathbf{n}  \mathbf{g}  \mathbf{u}  \mathbf{s}  \mathbf{t}  $ -	- s t r - i m - t	$ \mathbf{m}  \mathbf{a}  \mathbf{r}  \mathbf{u}  \mathbf{n}  \mathbf{t}  - -$
	Thin-Delicatus	Thin-Subtilis	Right-Dextrem	Right-Directum
Latin	d e: l i k a: t u s	s u b t i: l e m	d - e k s t r u m	d i: r - e: k t u s
French	d u: 3 e:			q - R M a - t
Spanish	d e l - y a ð o -	s u - t i l	d j e - s t r o -	d e r - e - tf o -
Italian	delikato-	s o t t i l e -	d - ε - s t r o -	dεstra
Portuguesebrazi	d e w - g a d u -	s u - tf i w - -	$ d  -  \epsilon  -  s  t  r  u  -$	d i r - ej - t e -
Portuguese	$ \mathbf{d}  \mathbf{\epsilon}  1  -  \mathbf{y}  \mathbf{a}  \mathbf{\delta}  \mathbf{u}  $	s   u   -   tf   i   w   -   -	d -  ε  -   ∫   t   r   u   -	d   i   r   -  ej  -   t   e   -
Catalan	d ə l i k a t	s u p t i l	d - e - s t r ə -	
Walloon		s u: - t i		d r & t   -
Friulian		s u - t i: l		d r ε t
Romanian		s u b ts i r e -		d r e p t
	Red	Red-Russus	Red-Vermiculus	Red-Rubeus
Latin				
	$ \mathbf{r}   \mathbf{u}   \mathbf{b}   \mathbf{e}   \mathbf{r} $ -	r u s s u s	v e r m i k u l u s	r u - b e u s
French	r   u   b   e   r   -	в u	v ε κ m εj	в u - з
French Spanish			v ε κ m εj	в u - 3 r u - b j o -
French Spanish Italian	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$	в и r о - х о - r о s s о -	v ε κ m εj v e r m i λ - λ ο -	в u - з r u - b j о - r э b b j о -
French Spanish Italian	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$		v ε κ m εj	в u - 3 r u - b j o -
French Spanish Italian PortugueseBrazi	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$	ко - Д о - r о г г о - r о - х о - к и	v       ε       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       e       r       u       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e	B       u       -       3       -       -         r       u       -       b       j       o       -         r       o       b       j       o       -         r       u       -       b       e       o       -
French Spanish Italian PortugueseBrazi Portuguese	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$	R O -	v & k m & j v e k m & e   r   m & e   x   o v e k m & e   r   m & e   r   f   h & f   h	B     u     -     3     -     -       r     u     -     b     j     o     -       r     o     b     j     o     -       r     u     -     b     e     o     -
French Spanish Italian PortugueseBrazi Portuguese Catalan	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$	ко - Д о - r о г г о - r о - х о - к и	v       ε       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       u       e       r       e       r       u       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e       r       e	x     u     -     3     -     -       r     u     -     b     j     o     -       r     u     -     b     e     o     -       r     u     -     d     e     o     -
French Spanish Italian	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$	R O -	v & k m & j v e k m & e   r   m & e   x   o v e k m & e   r   m & e   r   f   h & f   h	x     u     -     3     -     -       r     u     -     b     j     o     -       r     u     -     b     e     o     -       r     u     -     d     e     o     -       r     u     -     d     e     -     -       r     o     -     f     -     -     -
French Spanish talian PortugueseBrazi Portuguese Catalan Walloon	$ \mathbf{r} \mathbf{u} \mathbf{b}  -  \mathbf{r} \mathbf{o}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	v & k m & j v e k m & e   r   m & e   x   o v e k m & e   r   m & e   r   f   h & f   h	x     u     -     3     -     -       r     u     -     b     j     o     -       r     u     -     b     e     o     -       r     u     -     d     e     o     -       r     u     -     d     e     o     -

	Green	One	Two-Duos	Two-Duae
Latin	w i r i d e m	u: n u m	d u o: s	d u - aj
French	v e в	$\left \widetilde{\mathbf{ce}}\right  - \left -\right $	d -   ø   -	
Spanish	b e r - d e -	u n o -	$ \mathbf{d}  -  \mathbf{o}  \mathbf{s}$	
Italian	v e r - d e -	u n o -		$ \mathbf{d} \mathbf{u}  -  \mathbf{e} $
PortugueseBrazi	$ \mathbf{v}   \mathbf{e}   \mathbf{r}  -  \mathbf{d}   \mathbf{i}  -$	$  \mathbf{\tilde{u}}   -   -  $	$ \mathbf{d} $ - $ \mathbf{oj} $ s	
Portuguese	$ \mathbf{v}   \mathbf{e}   \mathbf{r}  -  \mathbf{d}   \mathbf{i}  -$	$ \mathbf{\tilde{u}} $ - $ $ - $ $ -	d - oj ∫	
Catalan	$v \mid \epsilon \mid r \mid - \mid t \mid - \mid -$	u n	d - o s	
Walloon	Λ ε R	$ \tilde{\mathbf{o}}  -  - - $	d - ø: -	
Friulian	v ε r - t	u ŋ	d - oj -	4   0   111   0
Romanian	Two-Duas	Three	d - oj - Four	d o w ə Five
Latin	d u a s	t r - e: s		kw i: n kw - e
French	$ \mathbf{u} \mathbf{u} \mathbf{a} \mathbf{s}$	t k w a -	k - a - t B -	s e - k
Spanish		t r - e s	k w a - t r o	$\theta$ i n k - o
Italian		t r - e -	k w a t t r o	tf i ŋ k w e
PortugueseBrazi	d u e s	t r - e s	kwa-t-ru	s î - k - u
3				
Portuguese	d u e s	t   r   -   e   ſ	k   w   a   -   t   -   -   r   u	s  $ s $ $ s $ $ s $ $ s $
Catalan		$  t   r   -   \varepsilon   s$	k w a - t r ə	s i n k
Walloon		t r - ø: -	k w a - t	$  \mathbf{s}   \mathbf{\tilde{e}}   -   \mathbf{k}   -   -  $
Friulian		t r - e: -	k w a - t - r i	tf   i   ŋ   k   -   -
Romanian		t r - ej -	p - a - t - r u	f   i   n   f   -   -
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Italian	-   a   -   k   w   -   -   i   -	a   -   1   a   -	-  v  i	d   I
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. ortagaccobrazi				
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Latin	kw - i s	k <sup>w</sup> -   e   m   -	k <sup>w</sup> - i d	$k^{w}$ - $a$ $n$ $d$ $o$ :
French	k   -   i   -		k w a	k - a
Spanish Italian	k   -   i   -		k - e - k - e -	k w a n d o k w a n d o
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o diagnesebiazi		K   CJ   -   -	K   1	
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Calalan	k - i -		k   -   ε   -	K   W   a   n   -   -
Catalan Walloon	k		k - ε - k w ε: -	k w a n k w a n d -
		tf   -   i   n   e	k - ε - k w ε: - tf - e -	k w a n d - k w a n t -

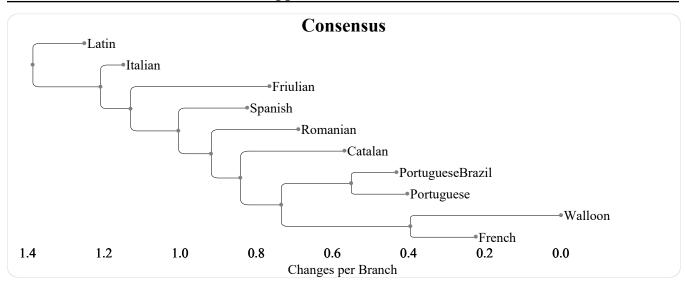
	How-Quomodo	Not	Not-Nec	And-Et
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French	$ \mathbf{k}  \mathfrak{d}  \mathbf{m}  \tilde{\mathfrak{a}}  - -$	$ \mathbf{n}  \tilde{\mathfrak{o}}  $ -	n i -	e -
Spanish	k o m o	n o -	n i -	i -
Italian	k o m e	n o n	n e -	e -
PortugueseBrazi	$ \mathbf{k}  \mathbf{o}  \mathbf{m}  \mathbf{u}   -   -$	n ę̃w̃-	n ej -	i   -
Portuguese	k   o   m   u   -   -	n ew-	n ej -	i   -
Catalan	k 3 m	n o -	n i -	i -
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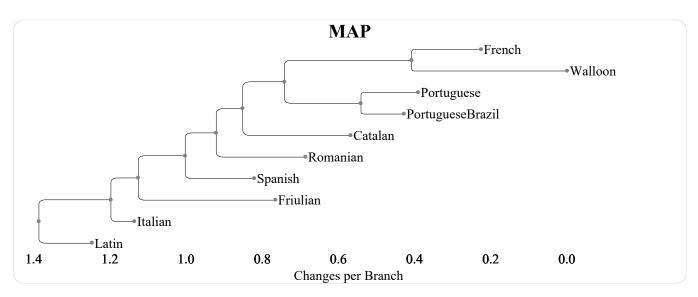
Appendix 4 - Results





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