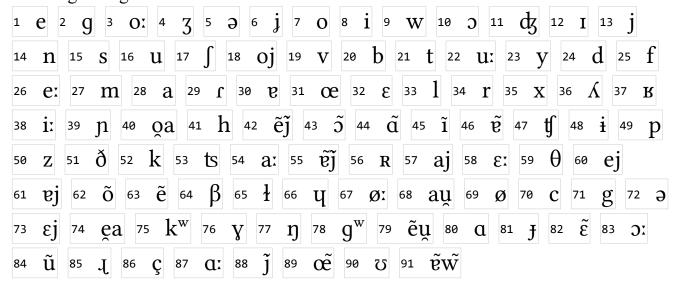
### **Understanding Language Evolution Using an Event-Based Model**

#### **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 õã ĩ ẽ ẽj õ ẽ ẽu ẽ ũ œ ẽw

2 Vowe

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: au ø ə εj ea α ɔ: α: σ

3 Nasal Consonant

nmŋŋĵ

4 Non Sylabic Sonorant

wjlr

5 Consonant

g ʒ j ʤ s ſ v b t d f r x λ κ h tf p z ð k ts r θ β ł ų c g k w γ g w μ ι ç

	I	We	YouPlural	YouSingular
Latin	- e g o:	n or - 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	i 0	n o: i	v o: i -	t u
PortugueseBrazi		n o j - s	$\begin{bmatrix} v & j & j \\ v & j & s \end{bmatrix}$	t u
i ortagaccobiazi			•   •   J   •	1014
Portuguese	-  e -  w	n   o   -   f   -	$ \mathbf{v}  \mathbf{o}  $ - $ \int$	t u
Catalan	3 3	- -	b u - s	t u
Walloon	dg 1	n o	$\begin{bmatrix} \mathbf{v} & \mathbf{o} \\ \mathbf{v} & \mathbf{o} \end{bmatrix} - \begin{bmatrix} \mathbf{s} \\ \mathbf{s} \end{bmatrix}$	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	Todomigaiai Vooliai iiivoi	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	-  u   s   t   e   d	- e - m - b r - a	m u x - e r	d o p a
Italian	G   C   C   G	f e m m i - n - a	m o $\Lambda$ $\Lambda$ e	d o n - n a
PortugueseBrazi	v o s - e -	f e - m e v	ти и к - е в	d o n e
. Situguosobiazi	, , , , , , , , , , , , , , , , , , , ,	- 10   m   0       0		
Portuguese	v   o   s   -   e   -	f   e   -  m  j   -   -   e	$m u \Lambda - e \Gamma - -$	d o - - n e
Catalan	v o s t e -	f e - m - b r - a	m u $\Lambda$ - e	d o n o
Walloon	1,0,0,0,0	f œ - m	m   u   m     c	d œ m
Friulian		$f \in m \mid i \mid n \mid \epsilon$	m u - - i: r - -	d o - n e
Romanian		f e - m e j e	m u - j e r e -	d m - n ə
rtorriaman	ManHumanBeing	ManHumanBeing-Homo	Child	Child-Ninnus
Latin	h o m i - n e m	h - o m o:	i n f a n t e m	Offind-Millings
French	- 3 m	5	$\tilde{\alpha} - f \tilde{\alpha}$	
Snanish				n i n o
Spanish Italian	o m - b r e		i n f a n t e -	n i n o
Italian	o m - b r e	$- \mathbf{w}  \mathbf{o}  \mathbf{m}  \mathbf{o}$	i n f a n t e - - f a n t e -	n i n o
Italian			i n f a n t e -	
Italian PortugueseBrazi	o m   -   b   r   e   -   -   -     o   m   ej   -   -   -   -   -   -   -   -   -		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ej
ltalian PortugueseBrazi Portuguese	o m   -   b   r   e   -   -         o   m   e j   -   -   -   -     -		i n f a n t e - - f a n t e -	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazi Portuguese Catalan	o m   -   b   r   e   -   -   -     o   m   ej   -   -   -   -   -   -   -   -   -		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ej
Italian PortugueseBrazi Portuguese Catalan Walloon	o m   b   r   e   -   -   o m ej   -   -   -   -    o m ej   -   -   -   -    o m o o o o o o o o o o o o o o o o o		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	o m   b   r   e   -   -   o m   ej   -   -   -   -   o m   ej   -   -   -   -   o m   ej   -   -   -   o m   o m   o   o   o   o m   o m   o   o   o m   o   o   o		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ẽj n e n ẽj
Italian PortugueseBrazi Portuguese Catalan Walloon	$ \begin{vmatrix} o & m & - & b & r & e & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & \tilde{e}\tilde{j} & - & - & - & - & - \\ o & m & - & - & - & - & - \\ - & o & m & - & - & - & - & - \\ - & o & m & - & - & - & - & - \\ - & o & m & - & - & - & - & - \\ - & - & - & - & -$	$ - \mathbf{w} \mathbf{c} \mathbf{w} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj n e n ēj n e n -
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	o m - b r e  o m ej  o m ej  o m o o o o o o o o o o o o o o o o o	- w 3 m 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n e  n e n e  n e n e  Husband-Sponsus
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	o m - b r e  o m ej  o m ej  o m e  o m  o m  o m  o m  o m - s p o n s a	$ - \mathbf{w} \mathbf{c} \mathbf{w} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n e  n e n e  n e n e  Husband-Sponsus  s p o n s u s
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	o m - b r e  o m ej  o m ej  o m ej  o m o  o m  o m  o m  o m - z  vife  - s p o n s a  e - p u - z -		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj  n e n ēj  n e n s j  husband-Sponsus  s p o n s u s e - p u
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	o m - b r e  o m ej  o m ej  o m ej  o m o  o m o  o m  o m  o m - z  o m - z  o m - z - z -  o m - z - z -  s p o n s a  e - p u - z -  e s p o - s a	- w	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj n e n ēj n e n s j n e n -
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	o m - b r e  o m ej  o m ej  o m ej  o m o  o m  o m  o m  o m  o m - z  o m - z  o m - z - z  Wife  - s p o n s a  e - p u - z -  e s p o - s a  - s p o - z a	Wife-Mulier   m   u   1   i   e   r   -   m   o   f   f   e   r   -   m   o   f   f   f   e   r   -   e   f   f   f   f   f   f   f   f   f	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj  n e n ēj  n e n ēj  n e n s j o n s u s e - p u
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	o m - b r e  o m ej  o m ej  o m ej  o m o  o m  o m  o m  o m  o m - z  o m - z  o m - z - z  Wife  - s p o n s a  e - p u - z -  e s p o - s a  - s p o - z a	- w	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	n i n o n e n ēj n e n ēj n e n s j n e n -
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wife-Mulier   m   u   1   i   e   r   -     m   o   \lambda   \lambda   e   \text{r}   -     m   o   \lambda   \lambda   \text{e}   \text{r}   -     m   u   \lambda   -   e   \text{g}   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	o m - b r e  o m e j  o m e j  o m o  o m o  o m  o m  o m  o m  o m - z  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m z - z -  e s p o - s a  s p o - z a  i s p o - z a	Wife-Mulier  m   u   1   i   e   r   -  m   o   \lambda   \lambda   e   r   -  m   o   \lambda   \lambda   e   \lambda   -  m   u   \lambda   -   e   \lambda   -  m   u   \lambda   -   e   \lambda   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wife-Mulier   m   u   1   i   e   r   -     m   o   \lambda   \lambda   e   \text{r}   -     m   o   \lambda   \lambda   \text{e}   \text{r}   -     m   u   \lambda   -   e   \text{g}   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan Walloon	o m - b r e  o m e j  o m e j  o m o  o m o  o m  o m  o m  o m  o m - z  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m z - z -  e s p o - s a  s p o - z a  i s p o - z a		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	o m - b r e  o m e j  o m e j  o m o  o m o  o m  o m  o m  o m  o m - z  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m - z -  o m z - z -  e s p o - s a  s p o - z a  i s p o - z a	Wife-Mulier  m   u   1   i   e   r   -  m   o   \lambda   \lambda   e   r   -  m   o   \lambda   \lambda   e   \lambda   -  m   u   \lambda   -   e   \lambda   -  m   u   \lambda   -   e   \lambda   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

	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	b e - 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} \widetilde{\mathbf{e}}\widetilde{\mathbf{j}} $ - $ - - -$	p   aj   -   -   -	t a t a
D .				1.1 1.1
Portuguese		m v j	p   aj   -   -	t a t a
Catalan		ma-rə-	pa-rə	
Walloon		m e - R	p e: - r -	
Friulian		m a - r i -	p   a   -   r   i	14   0   4   0
Romanian	s o ts Animal	Animal Pastia	Fish-Piskem	t a t ə Fish-Pescion
Latin	a n i m a l i a	Animal-Bestia b e: s t i a	p i s k e m	FISH-Pescion
French	0 m a - j -	0   0   0   1   1   4	p i s k c m	p w a s õ
Spanish	a l i m a n - a		p e θ	
Italian	a   1   1   111   a   J1     a	b i ∫ - a	p e f f e -	
PortugueseBrazi		bi-J-e	p ej f - i -	
. Sitagassobiazi		→   =     <b>J</b>     ♥	F   +J   J     +	
Portuguese		b i - f - e	p ej   -   i   -	
Catalan		~ -   <b>J</b>    -	$\begin{vmatrix} \mathbf{p} & \mathbf{e} & \mathbf{j} \\ \mathbf{p} & \mathbf{e} & \mathbf{j} \end{vmatrix} = \begin{vmatrix} \mathbf{r} & \mathbf{r} \\ \mathbf{r} & \mathbf{r} \end{vmatrix}$	
Walloon			F   -  3	$ \mathbf{p}  -  \mathbf{\epsilon}  \mathbf{h}  \tilde{\mathbf{o}} $
Friulian	n e m a: 1	b   i   s   -   -   -	p   ε   s   -   -   -	
Romanian	- n ə m a - j e		p e f t e -	
	Bird-Avem	Bird-Avicellum	Bird-Passerem	Louse
Latin	a w e m	- a w i - k - e l l u m	passereem	p - e d u - k l u s
French		$ \mathbf{w}  \mathbf{a}   -   -   -   \mathbf{z}   -   \mathbf{o}   -   -   -   -  $		p   -   u   -   -   -   -   -   -
Spanish	a   b   e   -		$p \mid a \mid - \mid x \mid a \mid r \mid o \mid -$	p j o x - o
Italian	1 1 1 1 1	$ - - u - t f - \epsilon 1 1 o -$	p a s s e r o -	p - i d o k k j o -
PortugueseBrazi	a   v   i   -		pa-seru-	$ p  -  i  -  o  -  \Lambda u  -  -$
Portuguese	a   v   i   -		p   a   -   s   e   r   u   -	p   -   i   -   o   -   K   u   -   -
Catalan	a w			p - i - o - \lambda   u   -
Walloon	a   w   -   -	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		p j u
Friulian		$\begin{vmatrix} - & u & - & t \\ - & u & - & t \end{vmatrix}$ $j \in -1$		p - e d o - l i
Romanian			p a - s ə r e -	p - ə d u - k j e -
	Snake	Snake-Serpens	Worm	Tree
Latin	s - e r p - e n t e m	s - e r p e n s	w e r m e m	a r b o r e m
French	s - е в р - а		v e в	a r p - r
Spanish	s - e r p j e n t e -	s   j   e   r   p   e   -   -	berme-	a r β o 1
Italian	s - e r p - e n t e -	$ s  -  \epsilon  r  p  e -  -$	v e r m e -	a   1   b   e   r   o   -
PortugueseBrazi	$ \mathbf{s}  -  \mathbf{e}  \mathbf{R}  \mathbf{p}  -  \mathbf{e}  -  \mathbf{f}  \mathbf{i} -  \mathbf{g} $		v e в m i -	a   r   v   o   t   i   -
Portuguese	s - i r p - ẽ - t i -		v   e   r   m   i   -	$ \mathbf{a}  \mathbf{f}  \mathbf{v}  \mathbf{u}  \mathbf{f}  \mathbf{i}  $
Catalan	s - ə r p - e n	s   -   e   r   p   -   -   -	v E f m	a - b - r ə -
	- 0 - P C 11	-   -   -   -   -   -   -   -   -   -		
Walloon			V   i   ε   R   -   -	o:   -   b   -   -   -
Walloon Friulian	s j ε κ p - ẽ		V   j   ε   R   -   -   -	o: - b
Walloon Friulian Romanian			V j ε R V j ε r V j e r m e	o:

	Forest	Stick	Fruit	Flower
Latin	s i l w a	p a: 1 u s	f r u: - k t u s	f   1   o:   r   e   m
French		p a 1	f   u   q   i   -   -   -   -	f 1 œ в
Spanish	s e l b a	p a 1 o -	f r u - t o -	f 1 o r
	s e l v a	p a 1 o -	f r u - t t o -	f j o: r e -
PortugueseBrazi	s ε w v a	p a w	f r u t e -	f 1 o r
Portuguese	s e ł v e	p a w	f   r   u   -   -   t   e   -	f   1   o   r   -   -
Catalan	s e 1 b a	p   a   1   -   -	$f \mid r \mid u \mid j \mid - \mid t \mid - \mid - \mid$	f   1   o   -   -
Walloon			f   R   y   -   -   -   -	f   1   ø:   в   -   -
Friulian	$ s \epsilon 1 v e$	p a: 1	f   r   u   -   -   t   -   -	f 1 o: r
Romanian		p a r	f r u - k t	f 1   r e -
	Tail	Feather	Feather-Penna	Hair
Latin	k a d a -	p l u: m a	p e n n a	$ \mathbf{p}  -  \mathbf{i}  1  \mathbf{u}  \mathbf{s}$
French	k ø	p 1 y m -	$p   \epsilon   -   n   -$	p w a 1
	k o 1 a -	p l u m a	p e - n a	p - e 1 o -
	k o d a -	p j u m a	p e n n a	p - e 1 o -
PortugueseBrazi			р e - n в	p - e l u -
Portuguese	k a w d e		pe-ne	p   -   i   1   u   -
Catalan	k   u   -   a   -	p 1 o m ə	$p \mid \epsilon \mid - \mid p \mid \vartheta$	$ p  -  \epsilon  1  - -$
Walloon	k 3 w	p 1 3 m -	p e - n -	
Friulian	k σ d ε -	$p \mid 1 \mid u \mid m \mid \varepsilon$	$p \mid \epsilon \mid - \mid n \mid e$	p - e: 1
Romanian	c   d ə -		p a - n ə	p - ə r
	Hair-Capillus	Head	Head-Testa	Nose
Latin	k a p i l l u s	k a p i - t i a	t e s t a	n a: s u s
French		$\int_{1}   \mathbf{e}   \mathbf{v}   \mathbf{\varepsilon}   -   -   -   -  $	t   ε   -   t   -	n e
Spanish	k a b e - j o -	k a β e - θ - a		n a s o -
	k a p e l l o - k a b e - l u -	k a v e t t s a k a b e - s - v	t ε s t a	n a: s o -
Portuguesebrazi	K   a   D   e   -   I   u   -	K   a   D   e   -   S   -   e	$ t  \epsilon  s  t  e $	
Portuguese	k   ε   β   e   -   1   u   -	k   ε   β   e   -   s   -   ε	$ \mathbf{t}  \mathbf{\epsilon}   \mathbf{f}   \mathbf{t}   \mathbf{e}$	
Catalan	k θ β ε - λ	k a p	t e s t ə	n a s
Walloon	tf i v j a -	· ·   F	tf ε s	n e
Friulian	c a v ej	c   a:   f   -   -   -   -	t ε s t e	n a: s
Romanian		c   a:   f   -   -   -   -   -   -     -		n a s
	Nose-Nares	Mouth	Mouth-Gula	Wing
Latin		b u k k a	g u l a	a: 1 a
French		b u -   f   -	g œ l -	e 1 -
Spanish	$n \mid a \mid r \mid i \mid \theta \mid -$	b   o   -   k   a	g o l a	a 1 a
Italian	n a r i tf e	b o k k a	g o l a	a l a
PortugueseBrazi	n a f i s	b   o   -   k   e		a   -   -
Portuguese	$ \mathbf{n} \mathbf{g} \mathbf{n} \mathbf{i}$	bo-ke		a   -   -
Catalan	n a: r I s -	b o - k ə	g o 1 ə	a l ə
Walloon	/ *   *   <b>V</b>	b o k	g ø: j -	e 1 -
Friulian		b σ - c ε	g o l e	a l e
Romanian		b u - k ə	g u r ə	
		A   V	0   -   -   -	

	Sun	Sun-Soliculus	Moon	Star
Latin	s o: 1 e m	s o l i k u l u s	1 u: n a	- s t - e: 1 1 a
French		s o 1 εj	1 y n -	e - t w a - 1 -
Spanish	s o 1	1-1-1 1-91 1 1 1	l u n a	e s t r e - j a
Italian	s o l e -		l u n a	- s t - e 1 1 a
PortugueseBrazi			l u - e	i s t r e - l e
i ortagaccobrazi	5   5   W			
Portuguese	s   c   t   c   c		1  u   -   e	i   f   t   r   e   -   1   e
Catalan	s o 1		Δunə	$\begin{vmatrix} \mathbf{s} & \mathbf{s} & \mathbf{t} & -\mathbf{s} & -\mathbf{l} \end{vmatrix}$
Walloon	s o l o -		løn -	- s t - ø: - 1 -
Friulian	0 0 1 0	s o r e - 1 i -	l u n e	- s t - ε - 1 e
Romanian	s r e -		l u n ə	- s t
romanian	Water	Rain	River	River-Rivus
Latin	a -  k -  a	p l u - w i a	f l u: m e n	r i: w u s
		F   -   4     W   2   4	-  -  9-  11-  0-  12	1-1-111610
French	0	p   1   q   -   -   i   -		<b>B D D D D D D D D D D</b>
Spanish	a - y w a	j - u - b j a		r i - o -
Italian	a k k w a	p j o d d - a	f j u m e -	r i - o -
PortugueseBrazi		$\int_{0}^{1} \left  - u \right  - v - v$	f l u m i -	k i - w -
. Sitagaooobiazi		J     G     T     0	- - -  -  -  -  -  -  -  -  -  -  -  -	1-1-1 1**1
Portuguese	a - g w e	$\int  - u - v - e $	f   1   u   m   i   -	
Catalan	aj - y w ə	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1   1   0   111   1	r i - w -
Walloon	ε: W -	b l n: - R		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Friulian	a - g - e	p l o - j e	f   1   u   m   -   -	
Romanian	$\begin{vmatrix} a \\ a \end{vmatrix} - \begin{vmatrix} b \\ p \end{vmatrix} - \begin{vmatrix} a \\ \theta \end{vmatrix}$	p l - j e		r   i   -  w   -
rtomanian	River-Riparia	Lake	Sea	Salt
Latin	r i: p - a: r i a	l a k u m	m a r e	s a: 1 e m
French	R i A i G R	1 a k	mεR -	s ε l
Spanish	D   T   V   J   C   D	lago-	mar -	s a 1
Italian		lago-	m a r e	s a l e -
PortugueseBrazi		lagu-	m a r -	s a w
. Situguesebiazi		1-1-19-19-1	·   D	
Portuguese		1   a   y   u   -	mar -	s a 1
Catalan		Λ a k	m a r	s a 1
Walloon	r   i   v   i:   -   в   -   -	lak	m e r	s e
Friulian	-   -   •   •   •	1 a: t	m a: r -	s a: 1
Romanian		lak	m a r e	s a r e -
	Earth	Fog	Fog-Nebula	Fog-Tenebrae
Latin	t - e r r a	k a: l i: g i n e m	n - e - b u 1 a	t e n e: b r aj
French	t - e - r -	1	$\begin{vmatrix} \mathbf{n} & \mathbf{j} & \mathbf{j} & \mathbf{j} & \mathbf{j} & \mathbf{j} & \mathbf{j} \\ \mathbf{n} & \mathbf{j} \end{vmatrix}$	-   -           1 <b>-0</b>
Spanish	t j e - r a	k a 1 i n a -	$\begin{vmatrix} \mathbf{n} & \mathbf{j} & \mathbf{e} \\ \mathbf{n} & \mathbf{j} & \mathbf{e} \end{vmatrix} - \begin{vmatrix} \mathbf{b} & \mathbf{j} \\ \mathbf{k} & \mathbf{k} \end{vmatrix} = \begin{vmatrix} \mathbf{j} & \mathbf{k} \\ \mathbf{k} & \mathbf{k} \end{vmatrix}$	
Italian	t - ε r r a	kalidzine-	n - e b b - j a	t ε: n e b r e
PortugueseBrazi		k a l i z ej	$\begin{vmatrix} \mathbf{n} & \mathbf{e} & \mathbf{b} & \mathbf{b} & \mathbf{d} \\ \mathbf{n} & \mathbf{e} & \mathbf{v} & \mathbf{w} & \mathbf{e} \end{vmatrix}$	1 - 1 - 1 - 1 - 1 - 1 - 1
. S. tagassobiazi		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
Portuguese	t   -   ε   -   в   в	k e l i z ej	$ \mathbf{n}  -  \mathbf{\epsilon}  -  \mathbf{v} \mathbf{w}  -  \mathbf{e} $	
Catalan	$t - \epsilon - r  $	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{vmatrix} \mathbf{n} \\ \mathbf{n} \end{vmatrix} - \begin{vmatrix} \mathbf{e} \\ \mathbf{e} \end{vmatrix} - \begin{vmatrix} \mathbf{w} \\ \mathbf{w} \end{vmatrix} \begin{vmatrix} \mathbf{e} \\ \mathbf{e} \end{vmatrix}$	
Walloon	t - E: - R -			
Friulian	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
Romanian	ts - a - r ə		n e g u r ə	
Nomaman	o a I e		II C y u I d	

	Fog-Tenebras	Fog-Fumata	Fog-Caecia	Sky
Latin	t - e n - e: b r a: s	f u: m a: t a	k aj k i a	k - aj l u m
French	t - e n - ε b в	f y m e		s   j   ε   1   -   -
Spanish	t - i n j e b l a s	f u m a t a		θ j e l o -
Italian	t - E: n - e b r e -	f u m a: t a		tf - ε 1 ο -
PortugueseBrazi		f u m a s e		$ \mathbf{s}  -  \mathbf{\epsilon}  \mathbf{w}   -   -$
Portuguese	$\int \left  \mathbf{s} \right  \left  \mathbf{r} \right  - \left  - \right  \epsilon \left  \mathbf{v} \right  - \left  \mathbf{e} \right  \mathbf{f}$	f u m a s e		$ \mathbf{s}  -  \mathbf{\epsilon}  \mathbf{w}   -   -$
Catalan	$ t  -  \vartheta  n -  e  b  r  \vartheta  s $			s - ε 1
Walloon				
Friulian		f u m a t e		tf   -   i:   1   -   -
Romanian			tf tf - ə	tf - e r
	Wind	Ice	Smoke	Fire-Focus
Latin	w - e n t u m	g e l u:	f u: m u s	f - o k u m
French	$ \mathbf{v}  -  \tilde{\mathbf{a}}  -  - - -$	3 ε 1 -		$\left  \begin{array}{c c} f & - & \emptyset & - & - \end{array} \right $
Spanish	b j e n t o -	j e l o	- u m o -	f w e g o -
Italian	$ \mathbf{v}  -  \mathbf{\varepsilon}  \mathbf{n}  \mathbf{t}  \mathbf{o}  \mathbf{c} $	de lo	f u m o -	f w o k o -
PortugueseBrazi	v - e - t u -		f  u m u	f   -   o   g   u   -
Portuguese	v - e - t u -		$ \mathbf{f} \mathbf{u} \mathbf{m} \mathbf{u} $ -	f   -   o   y   u   -
Portuguese Catalan	v   -   e   -   t   u   -     -     -     -     -     -       -	3 ε 1 -	f u m u -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Walloon	v - ē	3   8   1   -	1   u   III   -   -	f - ø:
Friulian	v - i n t		f  u  m  -   -	f - u: k
Romanian	v - i n t	dg e r -	f u m	f - o k
Nomanian	Year	Name-Nomen	Name-Nominem	Tongue
Latin	a n n u m	n o: m e n	n o: m i n - e m	l i n - a
French	$ \tilde{a}  -  - - $	$\begin{vmatrix} \mathbf{n} & \mathbf{\tilde{5}} & \mathbf{n} \\ \mathbf{n} & \mathbf{\tilde{5}} \end{vmatrix} - \begin{vmatrix} \mathbf{n} & \mathbf{n} \\ \mathbf{n} \end{vmatrix}$		$\begin{vmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $
Spanish	a - p o -		n o m - b r e -	l e n g w a
Italian	anno-	n o: m e -		l i n g w a
PortugueseBrazi		n o m i		1 î - g w e
J				
Portuguese	e - n u -	n o m i -		
Catalan	a - n	n o m		
Walloon	a   -   -   -	n   õ   -   -   -		1   <b>e</b>   -   -   -
Friulian	a - ŋ	n o n		$\begin{bmatrix} 1 & \epsilon & n & g \\ 1 & \vdots & \ddots & \vdots \end{bmatrix}$
Romanian	a n	n u m e -	T. F. ( M. )	l i m b - ə
Letie	ToDrink	ToEat	ToEat-Manducare	ToBite
Latin French	b i b - e r e	k o m e d e r e	m a n d u k a: r e m a - z - e	m - o r q - r -
Spanish	b e b - e r -		m a - 3 e m a n d u k a r -	m - o r ð e r -
Spanisn Italian	,	K   O   III   E   -   -   I   -	mandg are	
PortugueseBrazi			m e - z - a r e	m - o r q e r -
Tortuguesebrazi	р с р с в -	K   0   III   0       -   -	ш б б б	III OBUCCD
Portuguese	b  i	k u m -   -   e   r   -	m   v   -   z   -   -   a   r   -	m - u r ð e r -
Catalan	b e w r ə		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Walloon	p \@: R -		m a n i:	
Friulian	b e v i		m a n f - a:	m w a r d i
Romanian	b		m i n k a	1 1 1 1 1 1 1 1 1
			11 11 11	

	ToBite-Morsicare	ToSuck	ToSpit	ToSpit-Exconspuere
Latin	m o r s i k a: r e	s u: g e r e	k o n s p u e r e	100pit Execuspation
French		s y s e	k   5   -   s   p   y   e   -   -	
Spanish	m o - s - k a r -			e s k u - p i r
	m o r s i k a r e			
PortugueseBrazi	$ \mathbf{m} \mathbf{u}  -  \mathbf{s}  \mathbf{\partial}  \mathbf{g}  \mathbf{a}  - -$	$ s u g a \mathbf{g}$	$ \mathbf{k} \mathbf{u}  -  \mathbf{s} \mathbf{p} \mathbf{i} \mathbf{g}  -  \mathbf{r} $	
Portuguese	m u - s ə g a r -	sugar-	k  u   -   f   p   i   r   -   -	
Catalan	m u - s ə y a			
Walloon		s y s i:		
Friulian		c u c a:		
Romanian	m u r s e k a	s u dz e	T. 14	- s k u j p a -
1 1	ToSpit-Sputare	ToKnow	ToKnow-Sapere	ToKnow-Cognoscere
Latin	-  s  p  u  t  e  r  e	s k i: r e	s a p - e r e	k o g n o: s k e r e   k o π ε - t ε
French Spanish	e s p u t a r		s a v w a r -	k o - n o θ e r
Italian	- s p u t a r -		s a p - e r e	k o - n o f f e r e
PortugueseBrazi			s a b - e r -	ko-nes-es-
i ortagaccobiazi			0 4 5 6 5	
Portuguese			s   e   b   -   e   r   -	k u - p i s - e r -
Catalan			s ə β - ε	k u - n ε ∫ - ə
Walloon			s a v - ø: R -	k i - n o h
Friulian	s p u d a:		s a v - e:	k o - n o s - i
Romanian		$\int  \mathbf{t}  \mathbf{i}  - -$		k u - n   f t e
1 4 5	ToThink	ToThink-Pensare	ToFear	ToFear-Tremere
Latin	k - o: g i t a: r e	p e: n s a: r e	t   i   m   e:   r   e	t r e m - e r e
French Spanish	k y i d e k w i d a r -	p   a   -   s   e   -   -	t e m e r -	k     k     e     m     e     t     -
Italian	k - odzi t a r e	p e n s a r e	t e m e r e	t r e m - a r e
	k - u z i t a r -	р е - s a в -	t e m e r -	t c e m - e r -
		F   0   10   0   -	-   -   -   -	
Portuguese	k   -   u   3   i   t   a   r   -	$ \mathbf{p}  \tilde{\mathbf{e}}   -  \mathbf{s}  \mathbf{a}  \mathbf{r}  -$	t   i   m   e   r   -	t   r   i   m   -   e   r   -
Catalan	k - u - j d a	p ə n s a	t e m ə	
Walloon		$ p  \tilde{\epsilon} - s  e - -$		
Friulian		p e ŋ s a:	t   e   m   i   -   -	t   r   i   m   -   a:   -   -
Romanian	k - u dz e t a	p   ə   -   s   a   -   -	t e m e	- 1700
Latin	ToSleep	ToLive	ToDie	ToKill
Latin French	d - o r m i: r e	w i: w e r e	$m \mid n \mid R \mid i \mid R \mid$	n - e k a: r e n w aj e
Spanish	d - 0 r m i r -	b i b i r -	m o r i r -	
Italian	d - o r m i r e	v i v e r e	m o r i r e	
PortugueseBrazi		V   i   V   e   R   -	m o r e r -	
Portuguese	$ \mathbf{d}  -  \mathbf{u}  \mathbf{r}  \mathbf{m}  \mathbf{i}  \mathbf{r}  -$	v i v e r -	muser	
Catalan	d - u r m i	b i w - r ə	m u r i	n -   ə   g   a   -   -
Walloon	d w a к m i		m o R i	J
Friulian	d - u r m i:	v   i   v   i   -   -	m u r i:	
Romanian	d - o r m i	v   i   -   a   -   -	m u r i	n - e k a

	ToKill-Adnecare	ToKill-Tutari	ToKill-Mactare	ToKill-Occidere
Latin		t u: - t a: r i	m a k t a: r e	okki:dere
French		t   -   q   -   e   -   -	m a - t e	э k s i в -
Spanish	a - n e g a r -		ma-tar-	
Italian	a n n e g a r e			u t t  i d e r e
PortugueseBrazi			$ \mathbf{m} \mathbf{a} $ - $ \mathbf{t} \mathbf{a} \mathbf{s} $ -	
Portuguese			m e - t a r -	11111111
Catalan Walloon		t   u   w   -   e   -   -	m   ə   -   t   a   -   -	u k s i - - -
Friulian		t   t   w   -   e   -   -	m a tf - a:	
Romanian				u - tf i d e - -
	ToFight	ToFight-Battuere	ToHunt-Captiare	ToHit
Latin	p u g n a: r e	battuere	k a p t i a: r e	p u l s a: r e
French		b a t в	∫ a - s - e	p u - s e
Spanish	p   u   -   n   a   r   -	b   a   -   t   -   i   r   -	k a - θ - a r -	p u - x a r -
Italian	p u n n a r e	b   a   t   t   -   e   r   e	kattf-are	p u l s a r e
PortugueseBrazi		b   a   -   t   -   e   ı   -	k a - s - a r -	$ b n - \mathcal{V} a R $
Destruction		  1         <sub>4</sub>	1	
Portuguese Catalan	- - - - - - - - - - - - - -	b e - t - e r -	k   e   -   s   -   a   r   -     k   ə   -   s   -   a   -   -	$ p u  -  \int  a  r $
Walloon	p   u   -   n   a   -   -	b   a   -   t   -   -   r   ə	k   θ   -   s   -   a   -   -	
Friulian		b   a   t   -   e   -   -   -   -   -   -   -   -	$\begin{vmatrix} \mathbf{g} & \mathbf{e} & -\mathbf{g} & -\mathbf{g} & -\mathbf{g} \\ \mathbf{c} & \mathbf{a} & -\mathbf{g} & -\mathbf{g} & -\mathbf{g} \end{vmatrix} = -\mathbf{g} = -\mathbf{g}$	p   u   1   s   a:   -   -
Romanian		b a t - e	C   a   -   y   -   a -   -   -	p u l s a
	ToCut	ToCut-Curtare	ToCut-Excurtare	ToCut-Taliare
Latin	s - e k a: r e	k u r t a: r e	e k s k u r t a: r e	t a: - 1 i a: r e
French	s   j   e   -   -   -		e k u r t e	t a j e
Spanish	s - e g a r -	k   o   r   t   a   r   -		t   a   -   x   -   a   r   -
Italian	s - e g a r e		-   -   s   k   o   r   t   a   r   e	t a - K K a: r e
PortugueseBrazi	s - e g a r -			t   a   -   \( \begin{array}{c c c c c c c c c c c c c c c c c c c
Portuguese	s   -   i   y   a   r   -			t   e   -   \land   -   a   r   -
Catalan		$ \mathbf{K} \mathbf{u} \mathbf{I} \mathbf{t} \mathbf{a} \mathbf{I} $		
Walloon				t a - 1 - 1
Friulian	s   -   ə   y   a   -   -			t   a   -   \lambda   -   a   -   -
			- - s k u r t a: - -	t   ε   -   -   j   i:   -   -
Romanian	$ \mathbf{s}  -  \mathbf{e}  \cdot  \mathbf{a}  -  \mathbf{e} $		$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	
Romanian	s   -   e   -   a:   -   - ToSplit	ToSplit-Scindere	ToSplit-Findere	t a j i: t a j a: t ə j a ToSplit-Partire
Romanian Latin	s   -   e   -  a:  -   -	s k i n d e r e	-   s k u r t a -   -   ToSplit-Findere   f   i   n   d   e   r   e	t ε j i: t a j a: t ə j a  ToSplit-Partire p a r t i: r e
Romanian Latin French	s   -   e   -   a:   -   -  ToSplit   d   i:   w   i   d   e   r   e		-   -   s   k   u   r   t   a   -   -   -   -   -   -   -   -   -	t & j i: t a j a: t ə j a  ToSplit-Partire p a r t i: r e p a ʁ t i ʁ -
Romanian  Latin French Spanish	s   -   e   -   a:   -   -   -	$ \begin{vmatrix} s & k & i & n & d & e & r & e \\ s & - & \tilde{\epsilon} & - & d & e & - & - \end{vmatrix} $	ToSplit-Findere  f i n d e r e f \tilde{a} - d - \tilde{b} - e n d e r -	t & j i: t a j a: t ə j a  ToSplit-Partire  p a r t i: r e p a ʁ t i ʁ - p a r t i r -
Romanian  Latin French Spanish Italian	s   -   e   -   a:   -   -   -	s k i n d e r e	Tosplit-Findere  f i n d e r e f \tilde{a} - d - \tilde{b} - e n d e r - f \tilde{b} n d e r e	t & j i: t a j a: t ə j a  ToSplit-Partire p a r t i: r e p a r t i r - p a r t i r e
Romanian  Latin French Spanish	s   -   e   -   a:   -   -   -	$ \begin{vmatrix} s & k & i & n & d & e & r & e \\ s & - & \tilde{\epsilon} & - & d & e & - & - \end{vmatrix} $	ToSplit-Findere  f i n d e r e f \tilde{a} - d - \tilde{b} - e n d e r -	t & j i: t a j a: t ə j a  ToSplit-Partire  p a r t i: r e p a ʁ t i ʁ - p a r t i r -
Romanian  Latin French Spanish Italian PortugueseBrazi	S   -   e   -   a:   -   -	$ \begin{vmatrix} s & k & i & n & d & e & r & e \\ s & - & \tilde{\epsilon} & - & d & e & - & - \end{vmatrix} $	-   -   s   k   u   r   t   a   -   -	t & j i: t a j a: t ə j a  ToSplit-Partire  p a r t i: r e p a r t i r - p a r t i r e p a r t i r e p a r t i r e
Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese	s   -   e   -   a:   -   -    ToSplit     d   i   w   i   d   e   r   e       d   i   v   i   d   e   r   e       d   i   v   i   d   i   s   -     d   i   v   i   d   i   s   -     d   i   v   i   d   i   s   -	$ \begin{vmatrix} s & k & i & n & d & e & r & e \\ s & - & \tilde{\epsilon} & - & d & e & - & - \end{vmatrix} $	-   -   s   k   u   r   t   a   -   -	t & -   j i: -   t a -   j a: -   t ə -   j a: -   ToSplit-Partire  p a r t i: r e p a r t i r - p a r t i r e p a r t i r e p a r t i r e p a r t i r e
Romanian  Latin French Spanish Italian PortugueseBrazi	S   -   e   -   a:   -   -	$ \begin{vmatrix} s & k & i & n & d & e & r & e \\ s & - & \tilde{\epsilon} & - & d & e & - & - \end{vmatrix} $	-   -   s   k   u   r   t   a   -   -	t & j i: t a j a: t ə j a  ToSplit-Partire p a r t i: r e p a r t i r - p a r t i r e p a r t i r e p a r t i r e
Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	s   -   e   -   a:   -   -    ToSplit     d   i   w   i   d   e   r   e       d   i   v   i   d   e   r   e       d   i   v   i   d   i   s   -     d   i   v   i   d   i   s   -     d   i   v   i   d   i   s   -	$ \begin{vmatrix} s & k & i & n & d & e & r & e \\ s & - & \tilde{\epsilon} & - & d & e & - & - \end{vmatrix} $	Tosplit-Findere  f   i   n   d   e   r   e f   α   - d   -   β   e   n   d   e   r   e f   ε   n   d   e   r   e f   ε   n   d   e   r   - f   ε   r   d   e   β   - f   ε   n   d   r   σ	t & j i: t a j a: t ə j a ToSplit-Partire p a r t i: r e p a r t i r - p a r t i r e p a r t i r e p a r t i r e p a r t i r - p a r t i r - p a r t i r - p a r t i r - p a r t i r -

	ToSplit-Separare	ToStab	ToStab-lugulare	ToScratch
	s e: p a r a: r e -	p - u n g e r e	j u g u l a: r e	r a: d e r e
	s   ə   -   v   -   -   в   e	$ \mathbf{b} \mathbf{m} \mathbf{\widetilde{\epsilon}} $ - $ \mathbf{d} $ - $ \mathbf{r} $ -	3 y g y 1 e	
	s e p a r a r			ra-er-
	$egin{array}{ c c c c c c c c c c c c c c c c c c c$	p   -   u   n   dz   e   r   e	j  u  g  u   1  a:  r   e	r a d e r e
PortugueseBrazi	$egin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \mathbf{p} $ - $ \mathbf{\tilde{u}} $ - $ 3 $ $ \mathbf{i} $ $ \mathbf{F} $ -		в а - е в -
	s i p e r a r	$ p $ - $ \tilde{u} $ - $ 3 $ $i$ $ r $ -		$ \mathbf{R} 6 - 6 1 $
	$s \mid \vartheta \mid p \mid \vartheta \mid r \mid a \mid - \mid - \mid - \mid$	p   -   u   n   -   i   -   -		$ \mathbf{r} \mathbf{a} \mathbf{w}  -  \mathbf{r} \mathbf{a}$
Walloon				
	s e p a r a:			r   a   d   a:   -   -
	s e p a r a	p u n & e		r a d e
	ToScratch-Rasare	ToScratch-Rasicare	ToScratch-Coctiare	ToDig
Latin				f o d e r e
	в а z е			f   w   i   в   -   -
	r a s a r -	r a s k a r		
	r a s a r e			
PortugueseBrazi	R   a   Z   a   R   -	в a 2 к a в	k o s a L	
Dowtron		k k l k a l	k u s a r	
	в в х а г -	3	$K \mid \mathbf{u} \mid \mathbf{s} \mid \mathbf{a} \mid \mathbf{f}$	
	r   ə   z   a   -   -	r   ə   s   k   a   -		
Walloon Friulian				
	r a s a:			
Romanian	TaDia Cayara	TaDia Everyera	To Cooling	Ta Civina Navigana
	ToDig-Cavare k a w a: r e	ToDig-Excavare e k s k a w a: r e	ToSwim  n - a t a r e	ToSwim-Navigare n a v i g a: r e
French	K   a   w   a -   1   C	E   K   S   K   a   W   a.   1   E	$ \mathbf{n}  =  \mathbf{a}  \mathbf{t}  \mathbf{a}   \mathbf{n}   \mathbf{e} $	n a 3 e
	k   a   b   a   r   -	e   s   k   a   b   a   r   -   -	n - a d a r -	n a b e g a r -
lltalian			n w o t a c e	n a v i a a r e
	k a v a r e	s k a v a r e	n w o t a r e	n a v i g a r e
Italian PortugueseBrazi	k a v a r e		n w o t a r e n - a d a r -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
PortugueseBrazi	k a v a r e k e v a в -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \mathbf{n} $ - $ \mathbf{a} $ $ \mathbf{d} $ $ \mathbf{a} $ $ \mathbf{r} $ -	$ n a v i \gamma a B$
PortugueseBrazi Portuguese	k a v a r e k e v a в -	s k a v a r e	$ \mathbf{n} $ - $ \mathbf{a} $ $ \mathbf{d} $ $ \mathbf{a} $ $ \mathbf{r} $ -	$ \mathbf{n}  \mathbf{a}   \mathbf{v}   \mathbf{i}   \mathbf{v}   \mathbf{a}   \mathbf{E}  $
PortugueseBrazi Portuguese Catalan	k	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \mathbf{n} $ - $ \mathbf{a} $ $ \mathbf{d} $ $ \mathbf{a} $ $ \mathbf{r} $ -	n a v i y a s -  n e v i y a r -  n e b e g a -
PortugueseBrazi Portuguese Catalan Walloon	k a v a r e k e v a r - k ə b a - ç a v - 1 e	$ \begin{vmatrix} - & s & k & a & v & a & r & e \\ i & - & \int & k & e & v & a & \kappa \end{vmatrix} - $ $ \begin{vmatrix} i & - & \int & k & e & v & a & r \end{vmatrix} - $	$egin{array}{c c c c c c c c c c c c c c c c c c c $	n   a   v   i   γ   a   в   -     n   e   v   i   γ   a   r   -     n   b   b   g   a   -     n   ε   -   d   i   -
PortugueseBrazi Portuguese Catalan Walloon Friulian	k a v a r e k e v a r - k ə b a - ç a v - 1 e	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \mathbf{n} $ - $ \mathbf{a} $ $ \mathbf{d} $ $ \mathbf{a} $ $ \mathbf{r} $ -	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       -       -         ç       a       v       -       1       e         f       a       v       a       -       -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{vmatrix} n & - & a & d & a & B & - \\ n & - & a & d & a & C & - \\ n & - & a & d & a & - & - \\ n & - & a & d & a & - & - \end{vmatrix} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       -       -         ç       a       v       -       1       e         f       a       v       a       -       -	$ \begin{vmatrix} - & s & k & a & v & a & r & e \\ i & - & \int & k & e & v & a & \kappa \end{vmatrix} - $ $ \begin{vmatrix} i & - & \int & k & e & v & a & r \end{vmatrix} - $	$egin{array}{c c c c c c c c c c c c c c c c c c c $	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	k a v a r e k e v a r - k e v a r - k ə b a - ç a: v - 1 e f a v a: -  ToFly w o 1 a: r e	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   -   a   d   a   в   -     n   -   e   ð   a   r   -     n   -   a   d   a   -   -     n   -   a   d   a:   -   -	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	k a v a r e k e v a r - k ə b a - ç a: v - 1 e f a v a: -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{vmatrix} n & - & a & d & a & B & - \\ n & - & a & d & a & C & - \\ n & - & a & d & a & - & - \\ n & - & a & d & a & - & - \end{vmatrix} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	k a v a r e k e v a r - k e v a r - c a: v - 1 e f a v a: -  ToFly w o 1 a: r e v o 1 e -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   -   a   d   a   в   -     n   -   e   ð   a   r   -     n   -   a   d   a   -   -     n   -   a   d   a:   -   -    ToWalk	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       r       -       -         ç       u:       v       -       1       e       -       -         TOFIy       w       o       1       a:       r       e       -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n - a d a в -  n - e ð a r -  n - a d a:  ToWalk    J a m i n e k a m i n a r - k a m i n a r e	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       r       -       -         ç       u:       v       -       1       e       -       -         TOFIy       w       o       1       a:       r       e       -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   -   a   d   a   в   -     n   -   e   ð   a   r   -     n   -   a   d   a   -   -     n   -   a   d   a:   -   -    ToWalk    \[ \int \] \[ \begin{array}{c c c c c c c c c c c c c c c c c c c	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       r       -       -         ç       u:       v       -       1       e       -       -         TOFIy       w       o       1       a:       r       e       -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n - a d a в -  n - e ð a r -  n - a d a:  ToWalk    J a m i n e k a m i n a r - k a m i n a r e	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       r       -       -         c       a       v       -       1       e       -       -         b       o       l       a       r       e       -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n   - a d a B   -  n   - e õ a r   -  n   - a d a  n   - a d a  ToWalk     J a m i n a r  k a m i n a r e  k e m i n a r -  k e m i n a r -	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       r       -       -         c       a       v       -       1       e       -       -         b       o       l       a       r       -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n - a d a в -  n - e ð a r -  n - a d a:  ToWalk     S m i n e    k a m i n a r -  k a m i n a r e  k e m i n a r e  k e m i n a r -  k a m i n a r -  f i m i n e  f i m i n e  f i m i n e	n   a   v   i   γ   a   в   -
PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	k       a       v       a       r       e         k       e       v       a       r       -         k       e       b       a       r       -       -         k       e       b       a       r       - </td <td><math display="block"> \begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td> <td>n - a d a в -  n - e ð a r -  n - a d a  n - a d a  ToWalk     S m i n e  k a m i n a r -  k a m i n a r e  k e m i n a r e  k e m i n a r -  k a m i n a r -</td> <td>n a v i γ a β -  n e v i γ a β -  n e v i γ a Γ -  n e v i g a -  n a v i g a: -  n a v i g a -  ToWalk-Marcher</td>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	n - a d a в -  n - e ð a r -  n - a d a  n - a d a  ToWalk     S m i n e  k a m i n a r -  k a m i n a r e  k e m i n a r e  k e m i n a r -  k a m i n a r -	n a v i γ a β -  n e v i γ a β -  n e v i γ a Γ -  n e v i g a -  n a v i g a: -  n a v i g a -  ToWalk-Marcher

	ToWalk-Mergere	ToWalk-Ambitare	ToCome	ToLieAsInABed
Latin	m e r g e r e	a m b i t a: r e	w e n i: r e	e k s t e n d e r e
French			v   ə   n   i   в   -	e - t <u>a</u> - q - <u>r</u>
Spanish		a n d a r -	b e n i r -	e k s t e n d e r -
	m ε r dz e r e	a n d a r e	v e n i r e	$e - s t \epsilon n d e r e$
PortugueseBrazi		$ \tilde{\mathbf{g}}  -  \mathbf{q}  -  - \mathbf{a} \mathbf{R} $	v   -   -   i   в   -	$ \mathbf{i}   \mathbf{s}   \mathbf{t}   \mathbf{\tilde{e}}  -  \mathbf{d}   \mathbf{e}   \mathbf{R}  -  \mathbf{e} $
Portuguese			v - - i r -	i   f   t   e   -   d   e   r   -   -
Catalan			b a n i	ə - s t e n d - r ə
Walloon			v i n i	
Friulian			v i n i:	
Romanian	m e r dz e		v e n i	e k s t i n d e
	ToLieAsInABed-lacere	ToSit	ToSit-Sedentare	ToStand
Latin	j a - k e: r e	s - e d e: r e	s e d e n t a r e	- s t a: r e
French	3 e - z i k -	s w a в -		ε - t - <b>в</b> -
Spanish	j a - θ e r -	s - e r -	s e - - n t a r -	e s t a r -
Italian	dza - tfe: re	s - e d e r e		- s t a r e
PortugueseBrazi	3   s   -   z   e   r   -	8 - 8 - 8 -	$ s \tilde{e} - - t a r -$	$\mathbf{i}   \int  \mathbf{t}  \mathbf{a}   \mathbf{r}  $
Portuguese	3   e   -   z   e   r   -	s - e r -	s   e   -   -   t   a   r   -	$\frac{1}{2} \left  \int \left  t \right  a \right  r \right  -$
Catalan	3 a w r ə	5   C     1	3   C	ə s t a
Walloon	dz e r e -			ε s
Friulian	j e - s i		s e n t a:	- s t a:
Romanian	$\begin{bmatrix} z & a \\ z & a \end{bmatrix} - \begin{bmatrix} tf \\ - \end{bmatrix} - \begin{bmatrix} - \end{bmatrix}$			- s t a
	ToStand-Levare	ToStand-Altiare	ToTurnIntransitive	ToTurnIntransitive-Gyrare
Latin	l e v a: r e	- a l t i a: r e	t o r n a: r e	g y r a: r e
French	1   ə   v   e   -   -	- o - s - e	t   u   в   n   e   -   -	3 і в е
Spanish	j e b a r -	$-  \mathbf{a}  1  \mathbf{\theta}  -  \mathbf{a}  \mathbf{r}  $	toral	x i r a r -
Italian	l e v a r e	- a l ts a r e -	t o r n a r e	dg i r a r e
PortugueseBrazi		-   a   <del>1</del>   s   -   a   -   -	t   o   r   u   a   r   -	3   i   r   a   r   -
Portuguese	1   i   v   a   r   -	-   a   1   s   -   a   r   -	t u r n a r -	3   i   r   a   r   -
Catalan	б a b a	-   ə   1   s   -   a   -   -	t u r n a	3 i r a
Walloon	1 ə v e	h ɔ: - s - i:	t u: r n e	
Friulian	1 e v a:	-   a   1   t   ∫   -   a:   -	t o r n a:	ф i   r   a:   -   -
Romanian	1 - u a		t   u   r   n   a   -   -	
	ToTurnIntransitive-Ancest	rToTurnIntransitive-Torque		ToFall-Tumbare
Latin		t o r k e: r e	k - a d e r e	
French	v i s e - -	t 2 R q - R -	$\int  \mathbf{w}  \mathbf{a}  $ - $ $ - $ $ $\mathbf{s} $ -	t   õ   -   b   e   -
Spanish	b i r a r -	t o r θ e r -		t u m b a r
Italian	v i r a r e	t o r f e r e	k - a d e r e	t  u  m   v   a   1
PortugueseBrazi		t u r s e r -	k - e - i r -	t   õ   -   b   a   r
2.1.3.0000.021	1 - 1 - 1 - 1 - 1	1 - 1 - 1 - 1 - 1 - 1 - 1		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Portuguese	g i r a r -	t u r s e r -	k - e - i r -	t   õ   -   b   a   r
Catalan	b i r a	t o r s ə	k - a w - r ə	t u m b a -
Walloon	v i k e		tf   -   ε:   -   -   R   -	t  u  m   -   e   -
Friulian	dg i r a:		tf j a d e	
Romanian		t r f e	k   ə   d     -   -   -	

	ToHold	ToHold-Segurar	ToSqueeze	ToSqueeze-Serrere
Latin	t e n - e: r e	3	e k s p r i m - e r e	s e r r e r e
French	t   ə   n   -   i   ʁ   -		$ \mathbf{e}  -  \mathbf{h}  \mathbf{k}  \mathbf{g}  -  \mathbf{q}  -  \mathbf{k}  -  \mathbf{g} $	
Spanish	t e n - e r -	s e g u r a r	e k s p r e m - i r -	se-rar
Italian	t e n - e r e		-   -   s   p   r   ε m   -   e   r   e	
PortugueseBrazi		s i g u r a r	i - \int p r  p m - e  r -	s e -       a   -   -
		-   3   0   -   0   -	-   J   F   -   0	
Portuguese	t   e   -   -   r   -	s i y u r a r	i   -   f   p   r   ə   m   -   e   r   -	s   ə   -   R   a   r   -
Catalan	t   ə   n   -   i   -   -		$\begin{vmatrix} \mathbf{a} \\ \mathbf{c} \end{vmatrix} - \begin{vmatrix} \mathbf{s} \\ \mathbf{p} \end{vmatrix} \mathbf{r} \begin{vmatrix} \mathbf{e} \\ \mathbf{m} \end{vmatrix} - \begin{vmatrix} \mathbf{a} \\ \mathbf{e} \end{vmatrix} - \begin{vmatrix} \mathbf{c} \\ \mathbf{r} \end{vmatrix} - \begin{vmatrix} \mathbf{c} \\ \mathbf{r} \end{vmatrix}$	s ə - r a
Walloon	t i n - i		-     -   <b>F</b>     -	
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-Serare	ToSqueeze-Appectorare	ToSqueeze-Stringere	ToRub
Latin	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	f r i k a: r e
French	s e - k e		$\begin{bmatrix} \mathbf{e} & \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \end{bmatrix} = \begin{bmatrix} \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \end{bmatrix}$	f κ εj e
Spanish	$\theta e - r a r -$	a   -   p   -   -   r   e   t   a   r   -	e s t r e n - i r -	fregar-
Italian	s e r r a r e		- s t r i n d e r e	f r e g a r e
PortugueseBrazi		e   -   p   i   -   r   -   t   a   r   -	$\begin{vmatrix} 3 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 &$	
Tortuguesebrazi	S   I     B   A   I   -	$ \mathfrak{o}_1   \mathfrak{p}_1   \mathfrak{o}_1   \mathfrak{o}_1   \mathfrak{o}_1 $	5 J T 1 1 1 5 1 1 1	
Portuguese	s   i   -   u   a   r   -	e   -   p   i   -   r   -   t   a   r   -	$\left  \frac{1}{2} \right  \left  \frac{1}{2} \right  $	
Catalan	5   1     Β   α   1		$\frac{\partial}{\partial s} \frac{\int}{\int} \frac{1}{t} \frac{1}{t} \frac{1}{s} $	f r ə g a
Walloon	s   ε   -   R   e   -   -		s t r i n g e	f r oj
Friulian	S   ε   -   R   Ε   -   -		s t r ε n g i:	f r e - a
Romanian			s t r i n d e	freka
Nomanian				
	ToDub Exfrigore	TaBub Frietora		
	ToRub-Exfricare	ToRub-Frictare	ToRub-Frictiare	ToWash
Latin	ToRub-Exfricare	f r i k t a: r e		ToWash
Latin French	ToRub-Exfricare	f r i k t a: r e f s o t e	ToRub-Frictiare	ToWash   1   a   w   a:   r   e     1   a   v   e   -
Latin French Spanish	ToRub-Exfricare	f r i k t a: r е f в о t е f r о t a r		ToWash  1 a w a: r e 1 a v e 1 a β a r -
Latin French Spanish Italian		f r i k t a: r e f s o t e	ToRub-Frictiare	ToWash  1 a w a: r e 1 a v e 1 a β a r - 1 a v a r e
Latin French Spanish Italian	ToRub-Exfricare	f r i k t a: r е f в о t е f r о t a r	ToRub-Frictiare	ToWash  1 a w a: r e 1 a v e 1 a β a r -
Latin French Spanish Italian PortugueseBrazi	$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  g  \mathbf{a}  \mathbf{r}$	f r i k t a: r е f в о t е f r о t a r	ToRub-Frictiare	ToWash    1   a   w   a: r   e     1   a   v   e   -     1   a   β   a   r   -     1   a   v   a   r   e     1   v   v   a   r   -
Latin French Spanish Italian PortugueseBrazi Portuguese		f r i k t a: r е f в о t е f r о t a r	ToRub-Frictiare	ToWash    1   a   w   a: r   e     1   a   v   e   -     1   a   β   a   r   -     1   a   v   a   r   -      1   b   v   a   r   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  g  \mathbf{a}  \mathbf{r}$	f     r     i     k     t     a:     r     e       f     g     o     t     e     - </td <td>ToRub-Frictiare</td> <td>ToWash    I   a   w   a: r   e     I   a   v   e   -     I   a   β   a   r   -     I   a   v   a   r   -     I   b   v   a   r   -     I   b   v   a   r   -  </td>	ToRub-Frictiare	ToWash    I   a   w   a: r   e     I   a   v   e   -     I   a   β   a   r   -     I   a   v   a   r   -     I   b   v   a   r   -     I   b   v   a   r   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  g  \mathbf{a}  \mathbf{r}$	f r i k t a: r е f в о t е f r о t a r	ToRub-Frictiare	ToWash    1   a   w   a: r   e     1   a   v   e   -     1   a   β   a   r   -     1   a   v   a   r   -     1   b   v   a   r   -     1   a   v   e   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian	$ \mathbf{i}  \int  \mathbf{f}  \mathbf{r}  \mathbf{i}  g  \mathbf{a}  \mathbf{r}$	f     r     i     k     t     a:     r     e       f     g     o     t     e     - </td <td>ToRub-Frictiare</td> <td>ToWash    1   a   w   a: r   e     1   a   v   e       1   a   β   a   r   -     1   a   v   a   r   -     1   b   v   a   r   -     1   a   v   e       1   a   v   a    </td>	ToRub-Frictiare	ToWash    1   a   w   a: r   e     1   a   v   e       1   a   β   a   r   -     1   a   v   a   r   -     1   b   v   a   r   -     1   a   v   e       1   a   v   a
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	i   f   f   f   i   g   a   f     i   f   f   f   f   f   q   a   f     f   f   f   f   f   f   f	f     r     i     k     t     a:     r     e       f     g     o     t     e     -     -     -       f     r     o     t     a     r     -     -       f     r     e     t     t     a     r     e	ToRub-Frictiare    f   r   i   s   a   r	ToWash    1   a   w   a: r   e     1   a   v   e       1   a   y   a   r   e     1   v   v   a   r       1   a   v   e       1   a   v   e       1   a   v   a   r       1   a   v   a   r       1   a   a
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian	i   f   f   f   i   g   a   f     i   f   f   f   f   f   g   a   f     f   f   f   f   f   f   g   f   f	f r i k t a: r e f в о t e f r o t a r - f r e t t a r e   ТоWipe-Extergere	ToRub-Frictiare    f   r   i   s   a   r      f   r   ə   s   a   -	ToWash    1   a   w   a: r   e     1   a   v   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin	i   f   f   f   i   g   a   f     i   f   f   f   f   f   q   a   f     f   f   f   f   f   f   f	f     r     i     k     t     a:     r     e       f     g     o     t     e     -     -     -       f     r     o     t     a     r     -     -       f     r     e     t     t     a     r     e	ToRub-Frictiare    f   r   i   s   a   r     f   r   ə   s   a   -  ToWipe-Exsucare   e   k   s   -   u:   k   -   a:   r   e	ToWash    1   a   w   a: r   e     1   a   v   e       1   a   v   a   r   e     1   v   v   a   r       1   a   v   e       1   a   v   e       1   a   v   a   r       1   a   v   a   r       1   a   r   r       1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   a   r   r   r   r     1   1   1   1   1   1   1     1   1
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French	i   f   f   f   i   g   a   f     i   f   f   f   f   f   g   a   f     f   f   f   f   f   f   g   f   f	f       r       i       k       t       a:       r       e         f       в       o       t       e       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   ə   s   a   -  ToWipe-Exsucare   e   k   s   -   u:   k   -   a:   r   e     e   -   s   q   i   -   j   e   -  </td> <td>ToWash    1   a   w   a: r   e     1   a   v   a   r   -   1   a   v   a   r   -   1   v   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   r   e      1   i   m   p   i   d   a: r   e  </td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   ə   s   a   -  ToWipe-Exsucare   e   k   s   -   u:   k   -   a:   r   e     e   -   s   q   i   -   j   e   -	ToWash    1   a   w   a: r   e     1   a   v   a   r   -   1   a   v   a   r   -   1   v   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   r   e      1   i   m   p   i   d   a: r   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{ToWipe} & \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $	f r i k t a: r e f в о t e f r o t a r - f r e t t a r e   ТоWipe-Extergere	ToRub-Frictiare    f   r   i   s   a   r     f   r   ə   s   a   -   ToWipe-Exsucare   e   k   s   -   u:   k   -   a:   r   e     e   -   s   q   i   -   j   e   -     e   n   x   -   u   g   -   a   r   -	ToWash    1   a   w   a: r   e     1   a   v   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       r       i       k       t       a:       r       e         f       в       o       t       e       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r     ToWipe-Exsucare   e   k   s   - u:   k   - a:   r   e     e   - s   q   i   j   e   -     e   n   x   - u   g   - a   r   e     a   f   f   - u   g   - a   r   e  </td> <td>ToWash    1   a   w   a: r   e     1   a   v   a: r   e     1   a   r   a: r   e      1   a   m   p   a: r   e     1   a   m   p   a: r   e  </td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r     ToWipe-Exsucare   e   k   s   - u:   k   - a:   r   e     e   - s   q   i   j   e   -     e   n   x   - u   g   - a   r   e     a   f   f   - u   g   - a   r   e	ToWash    1   a   w   a: r   e     1   a   v   a: r   e     1   a   r   a: r   e      1   a   m   p   a: r   e     1   a   m   p   a: r   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       r       i       k       t       a:       r       e         f       в       o       t       e       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   ə   s   a   -   ToWipe-Exsucare   e   k   s   -   u:   k   -   a:   r   e     e   -   s   q   i   -   j   e   -     e   n   x   -   u   g   -   a   r   -</td> <td>ToWash    1   a   w   a: r   e     1   a   v   a   r   -   1   a   v   a   r   -   1   v   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   r   e      1   i   m   p   i   d   a: r   e  </td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   ə   s   a   -   ToWipe-Exsucare   e   k   s   -   u:   k   -   a:   r   e     e   -   s   q   i   -   j   e   -     e   n   x   -   u   g   -   a   r   -	ToWash    1   a   w   a: r   e     1   a   v   a   r   -   1   a   v   a   r   -   1   v   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   v   a   r   -   1   a   r   e      1   i   m   p   i   d   a: r   e
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian Latin French Spanish Italian PortugueseBrazi	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       r       i       k       t       a:       r       e         f       в       o       t       e       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   s   s   a   r     f   r   s   s   a   r     f   r   s   s   a   r     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s   s     f   r   s   s   s   s   s   s   s   s   s</td> <td>ToWash    1   a   w   a: r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e      1   a   m   p   a   a   r   e      1   a   r   p   -   a   r   -    1   a   r   p   -   a   r   -</td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   s   s   a   r     f   r   s   s   a   r     f   r   s   s   a   r     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s     f   r   s   s   s   s   s   s   s     f   r   s   s   s   s   s   s   s   s   s	ToWash    1   a   w   a: r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e      1   a   m   p   a   a   r   e      1   a   r   p   -   a   r   -    1   a   r   p   -   a   r   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       г       i       k       t       a:       r       e         f       в       o       t       a       r       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r    </td> <td>ToWash    1   a   w   a: r   e     1   a   v   a   r   -   1   a   v   a   r   -   1   v   v   a   r   -   1   v   v   a   r   -   1   a   v   e   -   1   a   v   e   -   1   a   v   a   -   1   a   v   a   r   -  ToWipe-Limpidare    1   i   m   p   i   d   a: r   e      1   i   m   p   j   -   a   r   -</td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r	ToWash    1   a   w   a: r   e     1   a   v   a   r   -   1   a   v   a   r   -   1   v   v   a   r   -   1   v   v   a   r   -   1   a   v   e   -   1   a   v   e   -   1   a   v   a   -   1   a   v   a   r   -  ToWipe-Limpidare    1   i   m   p   i   d   a: r   e      1   i   m   p   j   -   a   r   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       r       i       k       t       a:       r       e         f       в       o       t       e       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r    </td> <td>ToWash                                       </td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r	ToWash
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       г       i       k       t       a:       r       e         f       в       o       t       a       r       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r    </td> <td>ToWash    1   a   w   a: r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e      1   a   m   p   a   a   r   e      1   a   r   p   -   a   r   -    1   a   r   p   -   a   r   -</td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r	ToWash    1   a   w   a: r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e     1   a   v   a   r   e      1   a   m   p   a   a   r   e      1   a   r   p   -   a   r   -    1   a   r   p   -   a   r   -
Latin French Spanish Italian PortugueseBrazi Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi Portuguese Catalan	$ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{i} & \mathbf{f} & \mathbf{f} & \mathbf{i} & \mathbf{g} & \mathbf{a} & \mathbf{r} \\ \mathbf{f} & \mathbf{g} & \mathbf{e} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{r} & \mathbf{e} \\  \end{vmatrix} $ $ \begin{vmatrix} \mathbf{f} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} & \mathbf{g} \\  \end{vmatrix} $	f       г       i       k       t       a:       r       e         f       в       o       t       a       r       - <td>ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r    </td> <td>ToWash                                       </td>	ToRub-Frictiare    f   r   i   s   a   r     f   r   a   s   a   r	ToWash

	ToPull	ToPull-Pulsare	ToPull-Trahere	ToPush
Latin	t i r a: r e	p u l s a: r e	t r a h e r e	i m p i n g e r e
French	t i ĸ e	p u - s e	t R ε R -	-  F -  8 - - -
Spanish	tirar-	pu-xar-		
Italian	t i r a r e	p u l s a r e	t r a r - r e	impindgere
PortugueseBrazi		pu-far-	t r a z e	
i ortagaccobrazi	9   1   1   4	P a   J a 1		
Portuguese	t   i   r   a   r   -	p   u   -   f   a   r   -	t r g z e r -	
Catalan	t i r a	1   3   1	t r e w - r ə	$ \mathbf{a}  \mathbf{m}  \mathbf{p}  \mathbf{\epsilon}  \mathbf{n}  -  \mathbf{a}  -  \mathbf{a} $
Walloon	t i r e	p u: s i:		-     F   -   J       -
Friulian	t i r a:	p u 1 s a:	t   r  aj  -   -   -	
Romanian		p u 1 s a	t radge	impinde
	ToThrow	ToThrow-Lanceare	ToThrow-Eruncare	ToTie
Latin	j a k t a: r e	l a n k e a: r e	e: - r u n k a: r e	l i g a: r e
French	3 ə - t e	l   a   -   s   -   e   -   -		1 i - e
Spanish	e - tf a r -	l a n θ - a r -	a   -   r   a   n   k   a   r   -	legar-
Italian	dz e t t a r e	lantfare-	arrontfare	l e g a r e
PortugueseBrazi		l   e   -   s   -   a   -   -		
Portuguese	з ej t a г			
Catalan	x i t a	А э n s - a		λ i γ a
Walloon	dg ε t e			1   o   j   i:   -   -
Friulian				1 e - a:
Romanian			a   -   r   u   ŋ   k   a   -   -	1 e g a
	ToTie-Aptare	ToSew	ToCount	ToCount-Enumerare
Latin	a p t a r e	k o: n - s u e r e	k o m p u t a: r e	e: n u m e r a: r e
French		k u - d в -	k õ t e	e n u m e в е
Spanish	a   -   t   a   r   -	k o s - e r -	k o n t a r -	e n u m e r a r -
Italian		k u tf - i r e	k o n t a r e	e n u m e r a r e
PortugueceBrazi				
i ortuguesebrazi	$ \mathbf{e}  -  \mathbf{t}  \mathbf{a}  \mathbf{r}  -$	k   u   -   -   z   -   e   r   -	$\mathbf{k} \mid \mathbf{\tilde{o}} \mid - \mid - \mid - \mid \mathbf{t} \mid \mathbf{a} \mid \mathbf{r} \mid -$	e n u m e r a r -
Portuguese	$\begin{vmatrix} \mathbf{e} & - & \mathbf{t} & \mathbf{a} \end{vmatrix} \mathbf{r} \begin{vmatrix} - & \mathbf{e} & \mathbf{r} \end{vmatrix} $			e   n   u   m   e   r   a   r   -
Portuguese Catalan		$ \begin{vmatrix} k & u & - & - & z & - & e & r & - \\ k & u & - & - & z & - & i & - & - \\ \end{vmatrix} $	k   0   -   -   t   a   r   -	
Portuguese Catalan Walloon		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	k   0   -   -   t   a   r   - k   u   m   -   t   a   -   k   0   -   -   t   e   -   -	e   n   u   m   e   r   a   r   -
Portuguese Catalan Walloon Friulian		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	k   0   -   -   t   a   r   -	
Portuguese Catalan Walloon	e - t a r -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	e   n   u   m   e   r   a   r   -   -
Portuguese Catalan Walloon Friulian Romanian	e - t a r - ТоЅау	k   u   -   -   z   -   e   r   -	k   \vec{o}   -   -   -   t   a   r   -	e n u m e r a r - e n u m e r a ToPlay-Ludere
Portuguese Catalan Walloon Friulian Romanian	ToSay   d   i:   k   e   r   e	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	k   \tilde{0}   -   -   t   a   r   -	e   n   u   m   e   r   a   r   -   -
Portuguese Catalan Walloon Friulian Romanian Latin French	ToSay   d i: k e r e d i -	k   u   -   -   z   -   e   r   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e   n   u   m   e   r   a   r   -
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish	ToSay   d i: k e r e   d i -	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m e r a ToPlay-Ludere
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian	ToSay   d i: k e r e   d i -	k   u   -   -   z   -   e   r   -	k   \tilde{0}   -   -   t   a   r   -     k   u   m   -   t   a   -     -     k   \tilde{0}   n   -   t   a   -     -	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish	ToSay   d i: k e r e   d i -	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	ToSay d i: k e r e d i κ - d i - r e d i z - e r	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi	ToSay   d   i:   k   e   r   e     d   i   -   r   e     d   i   z   -   e   r     d   i   z   -   e   r	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	ToSay  d i: k e r e d i B - d e θ i r - d i z - e r  d i z - e r	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan Walloon	ToSay d i: k e r e d i - r e d i - r e d i z - e r  d i z - e r	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e
Portuguese Catalan Walloon Friulian Romanian  Latin French Spanish Italian PortugueseBrazi  Portuguese Catalan	ToSay  d i: k e r e d i B - d e θ i r - d i z - e r  d i z - e r	k   u   -	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	e n u m e r a r - e n u m a r a - ToPlay-Ludere l u: d e r e

	ToPlay-Jiocare	ToFloat	ToFloat-Fluitare	ToFlow
Latin	j o - k a: r e	f l u k t u a r e	f l u i t a: r e	f l u e r e
French	3 - w - e	f l y k t y e		f   1   y   e   -   -
Spanish	x u - g a r -	f l u g t w a r -		f   1   u   i   r   -
	dgo-kare	f l u t t u a r e	f   l   u   i   t   a   r   e	f l u i r e
PortugueseBrazi	3 o - g a B -	f   l   u   -   t   u   a   ʁ   -		f   1   w   i   в   -
Portuguese	3 u - y a r -	f 1 u - t u a r -		f l w i r -
Catalan	3 u - g a	f   l   u   k   t   u   a   -   -		f   1   u   i   -   -
	dz u w - e			
	dg u j - a:			
Romanian	3 u - k a	f   1   u   c   t   u   a   -   -	- FI 0	T. F.
	ToFlow-Colare k o: 1 a: r e	ToFlow-Excurrere e k s k u r r e r e	ToFlow-Currere	ToFreeze
Latin French	k u l e	e k s k u i i e i e	k u - k i k -	g e l a: r e 3 ə l e
	k o l a r	e   -   s   k   u   r   i   r   -   -	ko-rer-	- e l a r -
	k o l a r e	s k o r r e r e	k o r r e r e	de la re
PortugueseBrazi		i - \( \) k o - \( \) e \( \) -	k o - R 6 R -	3 i l a r -
. ortagaccobiazi				3/1/1/4/1
Portuguese	k   u   -   a   r   -	i   -   f   k   u   -   R   e   r   -	k u -   <b>B</b>   e   <b>r</b>   -	3 i 1 a r -
	k u l a		k o - r ə	3 ə 1 a
Walloon	k   o   l   e   -   -			dg a 1 e
Friulian		-   -   s   k   o   -   r   i:   -   -	k   o   -   r   i   -   -	
Romanian		-   -   s   k   u   r   dz   e   -   -	k u r d e	
	ToFreeze-Glaciare	ToFreeze-Inglaciare	ToBurn-Brojan	ToBurn-Cremare
Latin	g l a - k i a: r e	i n g l a k i a r e		k r e m a: r e
French	g   1   a   -   s   -   e   -   -		р в А I в	k
Spanish	:   .   <b>.</b>   <b></b>   .			k - e m a r -
Italian PortugueseBrazi	g j a t f j a r e		b r u t a r e	k r e m a r e k - ej m a r e
rortuguesebrazi				K   -  ej m   a   1   C
Portuguese				k - ej m a ʁ e
Catalan	g   1   ə   -   s   -   a   -   -			k r ə m a
Walloon			b в u: 1 е	
Friulian	g   1   a   -   tf   -   a:   -   -		b r u z a:	
Romanian		i n g - e ts - a		
	ToBurn-Flammare	ToBurn-Ardere	ToBurn-Flagrare	ToBurn-Incendere
Latin	f l a m m a: r e	a r d e: r e	f l a g r a: r e	i n k e n d - e r e
French	$f \mid 1 \mid \tilde{\alpha} \mid - \mid b \mid e \mid - \mid - \mid$	a r q - r -	f l a g в е	$ \tilde{\epsilon}  -  s  \tilde{\alpha} -  d  j  e  -  -$
Spanish	f l a - m e a r	a r d e r -	f l a g r a r -	e n e n d - e r -
Italian	f   j   a   m   m   a   r   e	ardere	f l a g r a r e	intfεndjare
PortugueseBrazi		a   R   q   6   R   -	$ \mathbf{f}   1   \mathbf{a}   \mathbf{g}   \mathbf{r}   \mathbf{a}   \mathbf{r} $	ĩ   -   s   e   n   dʒ   I   a   Γ   -
Portuguese		-   1   d   e   r   -	$ \mathbf{f}  1  \mathbf{a}  \mathbf{g}  \mathbf{r}  \mathbf{a}  \mathbf{r} $	$ \tilde{i}  -  s \tilde{e}  -  d j a r $
Catalan	f   1   a   m   a   -   -   -	0   1   U   C   1	1   1   a   y   1   a   1	ənsend - rə
Walloon	1   1   4   111   4			
Friulian				
Romanian		a   r   d   e   -   -		i n t i n d 3 e
				J   J   -   J   -

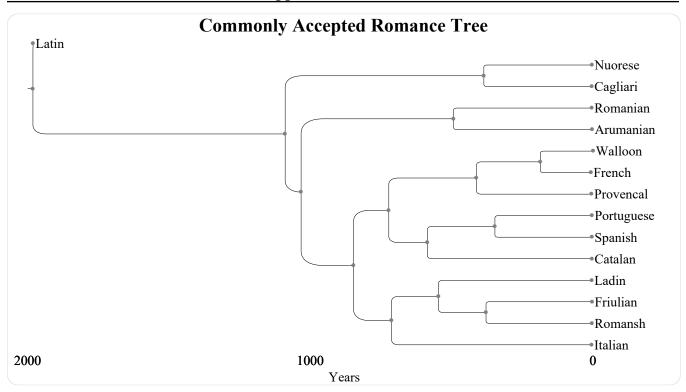
	ToBurn-AncestralClass8	All	All-Totus	Many
Latin	u s t u l a: r e	o m n e: s	t o: - t u s	m u l t u s
French			t  u  -   -   -	m u
Spanish			t o - d o -	m u - tf o -
Italian	u s t o l a r e	o   n   n   i   -	t u t t o -	m o 1 t o -
PortugueseBrazi			$t \mid o \mid - \mid d \mid u \mid -$	$\mathbf{m}   \mathbf{\tilde{u}}   \mathbf{\tilde{j}}   -   \mathbf{t}   \mathbf{u}$
Portuguese			t   o   -   ð   u   -	$ \mathbf{m} \mathbf{\tilde{u}} \mathbf{\tilde{j}}  -  \mathbf{t} \mathbf{u}$
Catalan			t o - t	m o 1
Walloon			t   0   -   -   -	
Friulian			d  u   -   t   -   -	m o 1 c
Romanian	u s t u r a		t o - t	m u 1 t
	Many-Tantus	Some	Few	Other
Latin	t a n t u s		p a k u s	a 1 t e r -
French		o   -   k   œ   -   -	p   ø   -   -   -	o - t - r -
Spanish	t   a   n   t   o   -	a l g u n o	p o k o -	$\begin{vmatrix} \mathbf{o} & \mathbf{t} & \mathbf{b} \\ \mathbf{o} & \mathbf{t} & \mathbf{f} \end{vmatrix} \mathbf{o}$
Italian	t a n t o -	a l k u n o	p o k o -	a l t - r o
PortugueseBrazi	$ \mathbf{t}  \mathbf{\tilde{e}}   -  \mathbf{t}  \mathbf{u}   -$	a w g ũ	p o w k u	o w t - r u
Portuguese	t e - t u -	a ł g ũ	p o w k u	owt-ru
Catalan	t   a   n   t   -   -	ə   1   g   u   -   -	p   3   k   -   -	a l t - r ə
Walloon Friulian	t   a   n   c   -   -		p o k	
Romanian	t   a   II   C   =   =		p  0.  K   -   -	a 1 t
rtomanian	Other-Alius	Big	Big-Grandem	Big-Majjorem
Latin	a l i u s	m a g n u m	g r a n d e m	m aj j o r e m
French			$ \mathbf{d} \mathbf{R} \mathbf{u} - - - - $	
Spanish		ma - no -	g r a n d e -	
Italian		manno-	g r a n d e	
PortugueseBrazi	a   w   -   -   -		$g   \mathbf{r}   \tilde{\mathbf{e}}   -   d\mathbf{g}   \mathbf{i}  $	
Portuguese	a   1   -   -   -		$ g  \mathbf{r}  \tilde{\mathbf{e}}  -  \mathbf{d}  \mathbf{i}  $	
Catalan			g r a n	
Walloon			g r g	
Friulian			g   r   a   n   t   -   -	
Romanian				m a r e
1 (*	Long-Longum	Long-Largum	Wide	Wide-Amplum
Latin	1 o - n g u m 1 õ	l a r g u m	l a: t u m	a m p l u m a - p l
French Spanish		1 a r y o -	1 e 1 a t o -	a n f - o -
Italian	1 o - n g o - 1 u - n g o -	largo-	lato-	ampjo-
PortugueseBrazi		largu-	latu-	$\tilde{e} - \int - u -$
Portuguese	1   õ   -   g   u   -   -	l a r g u -	1   a   t   u   -	$ \tilde{e}  -  \int  - u  -$
Catalan	К о - ŋ	Λ   a   r   k   -   -		a   m   p   1   ə   -
Walloon	1   õ   -   -   -   -			
		1 1 1		
Friulian Romanian	1 u n k 1 u n g		1   a   t   -   -	

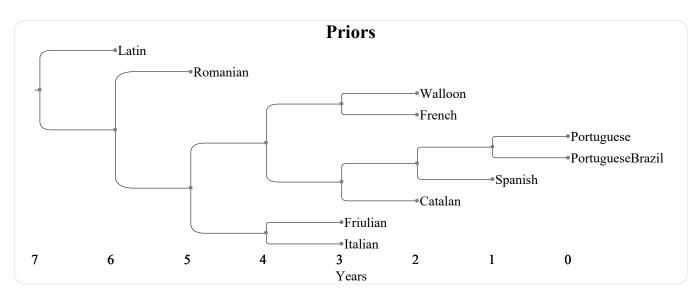
	Heavy	Heavy-Lurdus	Heavy-Pesant	Small
Latin	g r a w i s	l u r d u s	p e: s a n t -	p i t t i t u s
French	g k a v	1 u s	$ \mathbf{p}   \mathbf{a}   \mathbf{z}   \tilde{\mathbf{a}}  -  - - $	p   ə   -   t   i   -   -   -
Spanish	g r a b e -	1 e r d o -	$p \mid e \mid s \mid a \mid - \mid \delta \mid o$	
Italian	$g \mid r \mid \epsilon \mid v \mid e \mid$	1 o r d o -	p e s a n t e	
PortugueseBrazi	g   r   a   v   i   -	l   e   r   d   o   -	$p \mid e \mid z \mid a \mid - \mid d \mid u$	
Portuguese	$ \mathbf{g} \mathbf{f} \mathbf{a} \mathbf{v} \mathbf{i} $	1 e r d o -	$ \mathbf{p} \mathbf{i} \mathbf{z} \mathbf{a} - \mathbf{\delta} \mathbf{u}$	
Catalan	grew-		p ə z a - t -	p   ə   t   i   t   -   -   -
Walloon	g r a v		P   0   2   u     t	p i - t i
Friulian	g r ε v i -		pezant-	F   -     -   -   -
Romanian	g r e w		F   -   -   -	
	Small-Pittinus	Small-Pitulus	Short	Short-Brevis
Latin	p i t t i n u s	p   i   -   t   u   l   u   s	k u r t u s	b r e w i s
French			k u в	p κ ε t
Spanish	p e - k e n o -		k o r t o -	b r e b e -
Italian	p i t t i n o -	p   i   k   k   o   l   o   -	k o r t o -	b r ε v e -
PortugueseBrazi	p   e   -   k   e   n   u   -		$ \mathbf{k}   \mathbf{u}   \mathbf{g}   \mathbf{t}   \mathbf{u} $	$b \mid r \mid \epsilon \mid v \mid i \mid$ -
Portuguese	p   i   -   k   e   n   u   -			b   r   ε   v   i   -
Catalan			k u r t	b r e w
Walloon			k u: k	р к е ф
Friulian		p   i   -   tf   u   1   -   -	k u r t	
Romanian	p   u   -   ts   i   n   -   -	F   -		
	Narrow	Narrow-Strictus	Thin	Thin-Delicatus
Latin	$a \mid n \mid g \mid u \mid s \mid t \mid u \mid s$	- s t r - i - k t u s	$\mathbf{m} \mid \mathbf{i} \mid \mathbf{n} \mid \mathbf{u} : - \mid \mathbf{t} \mid \mathbf{u} \mid \mathbf{s}$	d e: l i k a: t u s
French		e - t k w a	m ə n y	d u: 3 e:
Spanish	a n g o s t o -	e s t r - e - tf o -	m e n u - d o -	del-yaðo-
Italian	a n g u s t o -	- s t r - e - t t o -	m i n u - t o -	delikato-
PortugueseBrazi		i   s   t   r   -   ej   -   -   t   u   -	$\mathbf{m}  \mathbf{i}  -  \mathbf{u}  -  \mathbf{d} \mathbf{u}  -$	d   e   w   -   g   a   d   u   -
Portuguese		i   f   t   r   -   ej   -   -   t   u   -	m i - u - ð u -	d   ε   <del>1</del>   -   <b>y</b>   <b>a</b>   ð   <b>u</b>   -
Catalan		ə s t r - ε - t	m ə n u - t	dəlikat-
Walloon		- s t в - ø:	m i n u	
Friulian		- s t r - ε t	m i n u: - t	
Romanian	i n g u s t	- s t r - i m - t	m ə r u n t	
	Thin-Subtilis	Right-Dextrem	Right-Directum	Red
Latin	s u b t i: l e m	d - e k s t r u m	d i: r - e: k t u s	r  u  b   e   r   -
French			d - k w a - t	
Spanish	s u - t i 1	d j e - s t r o -	d e r - e - tf o -	1
Italian			d ε s t r a	r u b - r o
D = wh	s o t t i l e -	d - ε - s t r o -		
PortugueseBrazi	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{vmatrix} \mathbf{d} & - & \mathbf{g} & - & \mathbf{g} & \mathbf{t} & \mathbf{r} & 0 & - \\ \mathbf{d} & - & \mathbf{g} & - & \mathbf{g} & \mathbf{t} & \mathbf{r} & \mathbf{u} & - \end{vmatrix}$	$\begin{vmatrix} \mathbf{d} & \mathbf{i} & \mathbf{f} & \mathbf{e} \end{vmatrix} - \begin{vmatrix} \mathbf{e} & \mathbf{f} & \mathbf{e} \end{vmatrix} - \begin{vmatrix} \mathbf{e} & \mathbf{f} & \mathbf{e} \end{vmatrix} - \begin{vmatrix} \mathbf{e} & \mathbf{f} & \mathbf{e} \end{vmatrix}$	
PortugueseBrazi Portuguese				
	$egin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{vmatrix} d - \varepsilon - s t r u - k \end{vmatrix}$ $\begin{vmatrix} d - \varepsilon - f t r u - k \end{vmatrix}$	$ \mathbf{d} \mathbf{i} \mathbf{r} - \mathbf{e}\mathbf{j} - \mathbf{t} \mathbf{e} -$	
Portuguese	$egin{array}{c c c c c c c c c c c c c c c c c c c $	$ \mathbf{d}  -  \mathbf{\epsilon}  -  \mathbf{s}  \mathbf{t}  \mathbf{r}  \mathbf{u}  $	$ \mathbf{d}   \mathbf{i}   \mathbf{r}   -  \mathbf{e}\mathbf{j}  -  \mathbf{t}   \mathbf{e}   -  \mathbf{d}   \mathbf{i}   \mathbf{r}   -  \mathbf{e}\mathbf{j}  -  \mathbf{t}   \mathbf{e}   -  \mathbf{e}\mathbf{j}  -$	
Portuguese Catalan	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{vmatrix} d - \varepsilon - s t r u - k \end{vmatrix}$ $\begin{vmatrix} d - \varepsilon - f t r u - k \end{vmatrix}$	$ \begin{vmatrix} \mathbf{d} & \mathbf{i} & \mathbf{r} & - & \mathbf{e}\mathbf{j} & - & \mathbf{t} & \mathbf{e} & - \end{vmatrix}                                 $	

	Red-Russus	Red-Vermiculus	Red-Rubeus	Green
Latin	r u s s u s	v e r m i k u l u s	r u - b e u s	w i r i d e m
French	в u	v ε κ m εj	в u - з r u - b j о -	v e в
Spanish	r o - x o -	b e r m e x o	r u - b j o -	b e r - d e -
Italian	r o s s o -	v e r m i K - K o -	r o b b j o -	v e r - d e -
PortugueseBrazi	R O -   D O -	v e в m e К u -	r u - b e o -	v e r - d i -
O O	1 1 1 3			
Portuguese	в о - <u> </u>	v  i   r  m ej  -   -   \lambda   u   -	r  u   -  b   e   o   -	$v \mid e \mid f \mid - \mid d \mid i \mid -$
Catalan	ro-s	b ə r m ε λ	r u - dz e	v ε r - t
Walloon			r o - t	V ε B
Friulian	r   o   -   s   -   -		1 1 1 3 1 1 1	v ε r - t
Romanian	ro-fu-		r  oj   -   b   -   -   -	v e r - d e -
	One	Two-Duos	Two-Duae	Two-Duas
Latin	u: n u m	d u o: s	d u - aj	d u a s
French	$ \tilde{\alpha}  -  - - $	d   -   ø   -		
Spanish	u n o -	d - o s		
Italian	u n o -	1 1 1 2 1 2	d u - e	
PortugueseBrazi		d - oj s	**   **         <del>*</del>	d u e s
		-9 -		1 1 1 1 1 1
Portuguese	<b>ũ</b>   -   -   -	d - oj  ſ		d u e ſ
Catalan	u n	d - o s		, , , , ,
Walloon	õ	d   -   ø:   -		
Friulian	u n	d - oj -		
Romanian	u n u -	d - oj -	d o w ə	
	Three	Four	Five	Here
Latin	t r - e: s		k   i:   n   k   -   e	- e k k u m h i: k
French	t   <b>B</b>   <b>W</b>   <b>G</b>   -	k   -   a   -   t   -   -   в   -	$ \mathbf{s}   \mathbf{\tilde{e}}  -  \mathbf{k}  -  \mathbf{r} $	i   -   -   s   -   -   i   -   -   a   -   k   -   -   i   -
Spanish	t r - e s	k   w   a   -   t   -   -   r   o	$\theta \mid i \mid n \mid k \mid - \mid o$	-   a   -   k   -   -   -   i   -
Italian	t   r   -   e   -	k   w   a   t   t   -   -   r   o	tf i ŋ k w e	-   -   k   w   -   -   i   -
PortugueseBrazi	t   r   -   e   s		$ s \tilde{i} - k - u $	-   a   -   k   -   -   i   -
Portuguese	t   r   -   e   ſ		s   ı̃   -  k   -  u	-   p   -   k   -   -   i   -
Catalan	$t \mid r \mid - \epsilon \mid s$	kwa-t-rə	s i n k	$egin{array}{ c c c c c c c c c c c c c c c c c c c$
Walloon	t r - ø: -	k w a - t	s e - k	u   K     1
Friulian	t r - e: -	k w a - t r i	tf i n k	-   a   -   k   -   -   i   -
Romanian	t r - ej -	p - a - t - r u	tf i n tf	
Comanian	There	There-Ibi	There-Adlbi	Who-Qui
Latin	i l l a: k	i b i:	more-Aubi	k - i s
Eduli	1   1   W   K	1   0   14		
French	- - 1 a -			k - i -
Spanish	$\begin{vmatrix} \mathbf{a} & \mathbf{j} & \mathbf{a} \\ \mathbf{j} & \mathbf{a} \end{vmatrix}$		a i	1 1-1
Italian	1 a -	-  v   i		
PortugueseBrazi		1 . 1 -	a i	11 1-1
3.125000010121	1 - 1 - 1			
Portuguese	- - 1 a -		e i	
Catalan	$\begin{vmatrix} \mathbf{a} \\ \mathbf{a} \end{vmatrix} - \begin{vmatrix} \mathbf{a} \\ \mathbf{a} \end{vmatrix} - \begin{vmatrix} \mathbf{a} \\ \mathbf{a} \end{vmatrix}$		- I	k - i -
Walloon	1 a -			k - i: -
Friulian	1 4			k w i -
Romanian	- - 1 a -			IX W I
i voiliailiali	1 α			

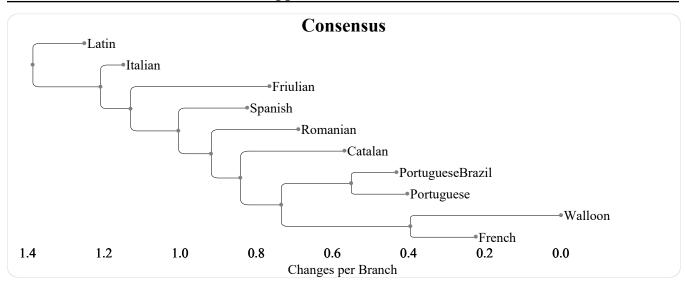
	Who-Quem	What	When-Quando	How-Quomodo
Latin	k - e m -	k - i d	k - a n d o:	k o: m o d o
French		k w a -	k -   <del>a</del>   -   -   -	k 2 m a
Spanish	k   j   e   n   -		k w a n d o	k o m o
Italian		k   -   e   -	k w a n d o	k   o   m   e   -   -
PortugueseBrazi	$ \mathbf{k} $ - $ \mathbf{\tilde{e}\tilde{j}} $ - $ $ -		$ \mathbf{k} \mathbf{w}  \tilde{\mathbf{e}}   -  \mathbf{d}  \mathbf{u} $	k   o   m   u   -   -
Portuguese	$ \mathbf{k} $ - $ \mathbf{\tilde{e}\tilde{j}} $ - $ $ -		$ \mathbf{k} \mathbf{w} \mathbf{\tilde{e}} $ - $ \mathbf{d} \mathbf{u}$	
Catalan		k   -   ε   -	k w a n	k   o   m   -   -   -
Walloon		k w ε: -	k w a n d -	$ \mathbf{k}  \mathfrak{o}  \mathbf{m}  \tilde{\boldsymbol{\varepsilon}}  $ -   -
Friulian		tf   -   e   -	k w a n t -	tf e m u: t -
Romanian	tf - i n e	tf - e -	k   -   i   n   d   -	k   u   m   -   -   -
	Not	Not-Nec	And-Et	And-Si
Latin	n o: n	n e k	e t	s i: k
	$ \mathbf{n}  \tilde{\mathfrak{o}}  $ -	n   i   -	e -	
	n o -	n   i   -	i -	
	n o n	n e -	e -	
PortugueseBrazi	$n   \tilde{e}  $	$ \mathbf{n} \tilde{\mathbf{e}}\tilde{\mathbf{j}} $ -	i -	
Portuguese	$ \mathbf{n}  \mathbf{\tilde{e}}  $ -	$ n \widetilde{e}\widetilde{j} $ -	i   -	
Catalan	n o -	n i -	i   -	
Walloon		$ \mathbf{n}  \tilde{\mathbf{e}}  $ -	ε -	
l e e e e e e e e e e e e e e e e e e e	n o -		e -	
Romanian	nu -		e -	<b>  </b>

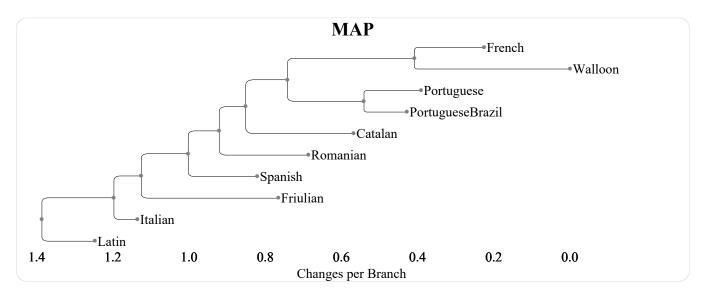
Appendix 4 - Results





#### Appendix 4 - Results





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