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THE DEVELOPMENT OF A PHONETICALLY BALANCED WORD RECOGNITION TEST IN THE ILOCANO LANGUAGE

By:

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Approved by:
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Abstract: [Three different phonetically-balanced 50-word recognition lists were constructed in the Ilocano language. Factors that were considered in the construction of these lists were: phonetic balance, syllable structure, and commonness of words.]

Introduction

A comprehensive audiological examination consists of pure-tone audiometry and speech audiometry. Pure-tone testing provides an indication of an individual's ability to detect the presence of tonal stimuli. Speech audiometry consists of receptive language tests which determine a patient's speech reception threshold (SRT) and word recognition score/speech discrimination score (WRS). These measurements are an indication of an individual's ability to function in everyday life as a conversational partner (Ferrer, 1960; Rosas, 1958). Both measurements provide valuable information for the evaluation and management of hearing disorders and are representative of the integrity of the auditory system (Martin, 1987). Word recognition tests may also be used to assess cochlear function by administering the test at a high level and determining whether intelligibility scores increase as intensity increases (Silverman, 1950). The accuracy of these tests, however, depends on the subject's knowledge of the test material. Material that is too familiar, such as in cases when a patient obtains an annual comprehensive audiogram, may result in an inflated score due to word familiarity. In these cases, several test lists should be available so that they can be alternated in an attempt to prevent memorization of test materials. In other cases, testing a patient in their non-native language may yield inaccurately low scores because the utilization of foreign words may appear as nonsense stimuli (Weisleder & Hodgson, 1989). Therefore, speech stimuli should consist of words that are considered "familiar" in that language (Zubick et al., 1983). In order to address this issue, speech tests should be administered in the patient's native language/dialect, if speech test materials are available in that particular language (Lehiste & Peterson, 1959). Tests materials, in every language, should be developed and standardized in an experimental setting (Carhart, 1951).

THE ILOCANO LANGUAGE

Ilocano belongs to the family of Western Austronesian languages which includes other languages spoken throughout Southeast Asia and the Pacific such as Japanese and Malay (wikipedia.org). Ilocano is classified as one of the 27 Cordilleran (named after the Cordillera mountain range on the island of Luzon in the Philippines) languages and is the most widely spoken of all the Cordilleran languages (Rubino, 2000). Most Ilocano speakers originate from an area of Northern Luzon, Philippines (Rubino, 2000).

To explore the current use of word lists, of any language, in the Northern Luzon region of the Philippines where Ilocano is predominantly spoken, a survey was sent to seven physicians in that region. The results of this survey, shown in Table 1, reveal that word recognition testing is used by only two out of the seven physicians surveyed. The physicians who conducted word recognition testing, however, did not indicate what lists were being utilized in their practice.

Currently, there is no known speech test in the language of Ilocano. Yet, Ilocano is the third most common language of the Philippines spoken by approximately 8.9 million (11%) of the country's total population of approximately 88 million (ethnologue.com, 2006). The two more commonly spoken languages in the Philippines are Tagalog (the national language) and Cebuano each spoken by about 24% of the population (ethonologue.com, 2006). Ilocanos can be found in various countries including Singapore, Hong Kong, Kuwait, Canada, Europe and the United States (Rubino, 2000). In the United States, a high concentration of Ilocanos can be found in Hawai'i, California and Alaska (Rubino, 2000). The Ilocano language is commonly spoken in Hawai'i and is taught at the University of Hawai'i as a foreign language (Rubino, 2000). In some cases, the Ilocano language is utilized as the language of instruction for bilingual students (Rubino, 2000), and is used in the Hawaiian public educational system. In Hawai'i, Ilocano is

the fourth most common language, spoken by approximately 4% of the population, and is ranked 47th of the 322 languages spoken in the United States (www.us-english.org). To address the need, expressed by Carhart (1951), of developing speech test materials in all spoken languages, this study is focused on the development of a word recognition test in the Ilocano language.

WORD TESTS AND THEIR DEVELOPMENT

Various criteria have been used in the development of English, and other language, speech tests. The following is a summary of the criteria that were considered for several commonly used English language speech tests consisting of isolated words.

CID W-22

In the development of the CID W-22 test, Hirsh et al. (1952) took the following factors into account:

1. The test words must be monosyllabic, with no duplicate words across different lists.
2. All words should be considered familiar.
3. As much as possible, each word list should represent the phonetic balance of the English language.

Using these criteria, 4 different lists of 50 words were created.

PBK-50

The Phonetically Balanced Kindergarten – 50 lists (PBK-50) were developed primarily for the hearing-impaired pediatric population, which typically possesses a limited vocabulary (Haskins, 1949).

The development of this test took the following factors into consideration:

1. Phonetic Balance.
2. Commonness of words as judged by a preschool population.

The PBK-50 consists of four different lists of 50 monosyllabic words each (Haskins, 1949).

LNT Easy, LNT Hard

Other tests, such as the LNT Easy and LNT Hard, are monosyllabic word lists, and were developed mainly for the American English pediatric population (Kirk et al., 1995; 1999). These tests focused on:

1. Word familiarity.
2. Word frequency.
3. Lexical neighbors, which are different words that can be created by changing, eliminating or adding one phoneme to the stimulus word.
4. Neighborhood frequency: refers to the average word frequency of all the lexical neighbors of a word.

The LNT consists of two Easy and two Hard word lists with 25 words in each list. Easy words have small values for neighborhood frequency while Hard words have large values. The MLNT consists of two Easy lists and two Hard lists with 12 words in each lists but these words are multisyllabic instead of monosyllabic (Kirk et al., 1999).

Word Recognition Tests in Languages other than English

Speech tests that exist for English, German, Danish, Swedish, Hebrew, Italian, French, Finnish and Portuguese often take into account the following criteria (Ferrer, 1960; Rosas, 1958):

1. Syllable structure.
2. Equal phonetic structure, across word lists.
3. Phonetic balance.
4. Equal average difficulty and equal range of difficulty.

5. Common words.
6. Speaker intelligibility.

A Swedish speech test was developed by Liden and Fant in (1954). This test, *Svensk Talaudiometri,* consisted of 12 phonemically balanced monosyllabic lists of 50 words (Magnussen, 1995).

The Danish speech material, *Dantale*, incorporated a few additional criteria such as the use of common nouns, adjectives and verbs, avoidance of emotional and objectional words, omission of words with dialectal factors (used mainly in business or social environments) and avoidance of words with confusing phonetic elements (Elberling et al, 1989). Each list contains the same amount of phonemes with the following factors incorporated into the list: number of phonemes, occurrence of double consonants, stop consonants and affricates /s/ or initial /t/ (Elberling et al, 1989). The final *Dantale* word recognition materials are comprised of eight lists of 25 words each (Elberling et al, 1989).

All the factors listed above will be considered during the development of the Ilocano word lists.

PART 1: Phonetic Description of Ilocano – "the language sample"

METHODS

To develop a phonetically balanced word list in Ilocano, phoneme and syllable-structure distributions must be known. While there are a handful of Ilocano dictionaries in print (Rubino, 1998; 2000), there are no known reports or articles on the frequency of occurrence of the phonemes in Ilocano or the frequency of occurrence of various syllable structures.

The phonetic balance of the Ilocano language was estimated by evaluating three articles from "*Bannawag*", a magazine written, printed and distributed weekly in the Philippines. All articles

were written in the Ilocano language and discussed different topics. These articles were titled "Ina ti Iluko iti Unibersidad ti Hawaii", "Ti Kaso ti Di Makita a Seradura" and "Intayon Agbutos". "Ina ti Iluko iti Unibersidad ti Hawaii" was published on May 17, 2004, and the title translates to "the mother/founder of Ilocano at the Univeristy of Hawai'i". The article discusses a specific professor, Professor Prescila Espiritu, who helped develop an Ilocano program (including language, dance, drama and culture) and currently teaches the Ilocano language at the University of Hawai'i. "Intayon Agbutos" or "Let's vote", was published on April 26, 2004. This article encourages Philippine citizens to vote, and discusses issues that may hinder citizens from voting. The last article, "Ti Kaso ti Di Makita a Seradura" or "The Case of the Hidden Door" was published on June 7, 2004. This article discusses religion.

Each sentence in each article was written on a separate document and transcribed phonetically by hand using a dictionary pronunciation as the basis for transcription. A list of phonemes were obtained from "Ilocano Dictionary and Grammar Ilocano-English, English-Ilocano" (Rubino, 2000). Additional phonemes were added after further evaluation of the language sample was completed. These additional phonemes include: /pː/ , /bː/ , /mː/ , /tː/ , /dː/, /nː/, /sː/, /lː/, /jː/, /kː/, /gː/ and /ŋː/. These phonemes differ from the phonemes /p/, /b/, /m/, /t/, /d/, /n/, /s/, /l/, /j/, /k/, /g/ and /ŋ/ by duration. A phoneme with the (ː) symbol indicates a longer duration, and is called 'geminate' by linguists. These geminate consonants were considered as distinct consonants because the use of these phonemes change the literal meaning of a word. For example, the word "paddak", transcribed /padːak/ means "to step" while "padak", transcribed /padak/ means "similar to me". Transcribed words were then listed in alphabetical order and tallied. This information was transferred to an Excel spreadsheet, in which tabulations were

made of individual phoneme occurrences and weighted phoneme occurrences depending on how many times the specific word occurred within the original text. In order to find the phonetic distribution of the language sample, phonemes were counted based on their number of occurrences in each word and on the frequency of occurrence of each word (Appendix I). If a word appeared more than once within the language sample it was indicated in the "frequency of occurrence" column of the chart. Frequency of occurrence of each phoneme in the language sample was calculated as follows:

$$\frac{\text{number of times the phoneme occurred in that word} \quad \mathbf{x} \quad \text{frequency of occurrence of that word}}{\text{Total number of phonemes in all words}}$$

Syllable structure was also tabulated in the Excel chart.

RESULTS

Phonemes of the Ilocano Language

The Ilocano language consists of the following phonemes: /p/, /pː/, /b/, /bː/, /m/, /mː/, /f/, /v/, /t/, /tː/, /d/, /dː/, /n/, /nː/, /r/, /s/, /sː/, /ʃ/, /l/, /lː/, /j/, /jː/, /k/, /kː/, /g/, /gː/, /ŋ/, /ŋː/, /w/, /ʔ/, /h/, /ʧ/, /ʤ/, /i/, /ɛ/, /u/, /o/, /a/, /ay/, /iw/, /oy/, /uy/, and /aw/ totaling 43 phonemes: 33 consonant phonemes (Table 2), five monophthong vowel phonemes (Table 3) and five diphthongs (Table 4). The phonemes /f/ and /v/, which are listed in Tables 2 and 5, were eliminated from further analysis because these phonemes are typically only found in names or borrowed words from the Spanish language. These three articles were comprised of 2,918 total words and 889 different words, 14,327 total phonemes and 41 different phonemes (after the elimination of /f/ and /v/).

Frequency of Occurrence of Ilocano Phonemes

The frequency of occurrence of each phoneme for the entire language sample can be found at the bottom of Appendix 1 labeled "total frequency of occurrence" and is summarized in Table 5, by descending order. As found by Denes (1963) for spoken English, /t/ and /n/ are the two most common consonant sounds.

Syllable Structure

The number of syllables of the different words in the language sample is summarized in Table 6. The use of monosyllabic words will not be considered because only 3% of the sample consisted of monosyllabic words. As in the Spanish speech tests developed by Dr. J.M. Tato (Zubick et al., 1983; Rosas, 1958), bisyllabic word structure will be chosen to comprise the Ilocano word lists since 21% of the sample consisted of bisyllabic words. The 188 two-syllable words were extracted and placed in a chart (Appendix II) and syllable structure was evaluated. The various structures observed in the two-syllable words are shown in Table 7. Of these 17 different two-syllable structures (Table 7), 82% of all two-syllable words within the sample are represented by the following six types: CVCCV, CVCCVC, CVCV, CVCVC, VCV and VCVC with frequencies of .133, .080, .181, .245, .101 and .085, respectively.

PART II: Commonness of Words (familiarity)

METHODS

Hirsh et al., (1952) state, "In general, the vocabulary consists of very common words." This statement led us to the next criterion for the development of Ilocano word lists: commonness of words/familiarity. Since no materials could be found which rated the familiarity of Ilocano words, similar to ratings used by Hirsh et al., (1952), a study of word familiarity was conducted by native speakers of the Ilocano language.

Words were randomly chosen from the 188 two-syllable words in the language sample and from two Ilocano dictionaries, "Ilocano Dictionary and Grammar Ilocano-English, English-Ilocano" and "Ilocano: Ilocano-English/English-Ilocano Dictionary and Phrasebook" (Rubino, 1998, 2000). 372 total words were compiled into two separate surveys (A & B) with 186 words in each. Words in these tests were all two-syllable words with a majority of the words falling into the six most common syllable structures as in Table 7. Several words were repeated in both lists to evaluate rater reliability. These words were "bukno", "dulin", and "essem". And, to insure that raters' used the full rating scale appropriately, a total of seven words that I (a native speaker of Ilocano) considered "uncommon" were also included in the survey. These seven words were also chosen for their infrequent syllable structure so that no potential words would be eliminated. These words were "agbiag", "agdan", "aldaw", "awan", "ebkas", "esngaw", and "ngiwat".

Written instructions for the survey were provided in both English and Ilocano. Two examples of common and uncommon words were also included in the insructions. Surveyees were asked to choose one category for each word: "common", "somewhat common" or "uncommon". A copy of the surveys can be found in Appendix III. Words were listed alphabetically by the Ilocano word followed by an English definition.

A total of 15 native Ilocano speakers were chosen to rate these 372 words. They were given both surveys, each on separate days in an attempt to reduce fatigue. Responses were compiled into a spreadsheet with words and ratings from each individual represented in separate columns.

RESULTS

The percent of common, somewhat common and uncommon word ratings were calculated. Words were then separated into categories according to what percent of surveyees rated the

words as common (Refer to Appendix IV). The reliability test resulted in exactly the same ratings for all three repeated words across both surveys (A and B) for the 15 raters. Therefore, ratings were considered reliable. A summary of the results can be found in Table 8.

PART III: Construction of Word Lists

METHODS

All words that were rated as common by at least 80% (12 or more) of the raters were now placed in a pool. After further evaluation of these 262 words (see Table 8), nine words were eliminated due to infrequent syllable structure. The final group consisted of 253 words. This comprised the pool from which our words could be chosen to construct word lists. A list of these words and their English definitions can be found in Appendix V.

In order to determine which of the 41 phonemes would be included in the 50-word lists the following reasoning was used. Since all words were two-syllable words, there would be exactly two vowels per word, and roughly two to three consonants per word. Thus, we would expect 100 (two vowels per word x 50 words per list) vowels and about 150 (three consonants per word x 50 words per list) consonants per 50-word list. Consequently, a vowel could not occur within these lists less than 1% of the time. Therefore, vowels that occur less frequently than .01 in the language sample (Table 5) can not be represented in a 50-word list. The vowels that should be included in the word lists are those that occur more frequently than 1%, namely /a/, /i/, /u/, /o/, /e/, /ay/. A similar method was used to determine consonant inclusion. In a list of 50 words, a consonant is not expected to occur less than about 0.67% of the time. Taking this into consideration, the cut-off was set at 1.79%, which would include the following phonemes: /t/, /n/, /k/, /d/, /s/, /g/, /p/, /m/, /l/, /ŋ/, /r/, /ʔ/, /b/. The phonemes /nː/, /j/, /w/ (which appear between .796%-.614% of the time) may be considered if more phonemes were needed, but the remaining

rarely occurring phonemes will not be represented in the final lists. In summary, 13-16 possible consonants and six vowels will be included in the word lists.

The elimination of words containing uncommon consonant and vowel phonemes reduced the pool of potential words to 208 words (Appendix VI). This pool includes words with the phonemes /j/ & /w/, in an effort to increase the number of phonemes available. From these 208 words different combinations were compiled to determine which lists were the closest to the phonetic composition of the language sample. These 208 words were organized into alphabetical order, and then divided into four different lists. List 1 was compiled by choosing the first word and every fourth word thereafter. List 2 was created by choosing the second word and every fourth word thereafter. Lists 3 and 4 were compiled using the same method.

RESULTS

After about 50-60 iterations amongst the four lists, three lists were finalized (Appendix VII). A detailed analysis of phonetic distribution in each list may be viewed in Appendix VIII. A fourth list could not be created because there were not enough different words in the pool to maintain phonetic balance. Table 9 is a summary of the final phonetic distribution in each of the three Ilocano word lists. The phoneme /n**:**/ was not used, but /j/ and /w/ are included in the final word lists.

An analysis was also made for the six most common syllable types. A summary of the expected occurrences and actual occurrences of each syllable type may be viewed in Table 10. In both tables, count differences between expected and actual occurrences are relatively small, ranging from a factor of 0.4 to 3.0 (excluding the three times when there were no actual occurrences of a phoneme for one expected occurrence). This variation is somewhat similar to that found in the phonetic balance of vowels in the CNC lists by Lehiste and Peterson, (1959).

CONCLUSION

Three major factors were taken into consideration in the development of these word lists:

1. Phonetic balance within each separate list (50 words per list).
2. Syllable structure.
3. Commonness of words/familiarity.

Phonetic balance was obtained by analyzing a large sample of written materials from Ilocano magazine articles. Analysis of the language sample was also used to determine syllable structure for Ilocano.

Familiarity of words was determined by ratings obtained from native Ilocano speakers. The words in the survey were rated as "common", "somewhat common" or "uncommon". Only words rated common by at least 80% of the 15 raters were included in the pool of words for the final word lists.

Finally, by combining judiciously the results from the phonetic and syllable analysis of the language sample with the results of the commonness survey, three phonetically-balanced word lists for Ilocano were created. These lists are composed of 50 distinct, two-syllable words with a phonetic distribution which approximates that found in a large language sample. In addition, the phonemes in each of the three word lists are fairly well balanced across the three lists. Thus, we have achieved good phonetic balance in these lists.

FUTURE RESEARCH

This project is the first known attempt to create word recognition lists in the Ilocano language. It serves as an outline for future research opportunities in the following areas:

1. Test for list equivalency (in regards to listening difficulty).
2. Create additional word lists.

3. Analyze a larger language sample from various written sources to determine whether phonetic distribution is similar.
    a. Create lists that reflect the updated phonetic distribution.
4. Analyze spoken material and compare phonetic distribution with written material (Denes, 1963).
5. Obtain a phonetic distribution from a pool of two-syllable words to determine whether there is a difference in phonetic distribution for two-syllable words versus an entire language sample.
6. Administer English and Ilocano tests to bilingual speakers to determine whether there is a difference in word intelligibility.

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TABLES

	1	2	3	4	5	6	7
Who provides services to the hearing impaired?	O/ENT	GP	O/ENT	O/ENT	O/ENT	O/ENT	O/ENT
What is the protocol for patients who report a HL?	PTA, ABR, HAF, SPED	Refer to ENT	Exam by ENT & refer to audiologist	refer to ENT	Otoscopy, Rhinoscopy, Laryngoscopy, Tuning fork, PTA, Tymps	Hearing exam then refer	Exam for infection. If persists, refer to ENT
What procedures are used for hearing exams?	PTA	PTA, Tymps	Otoscopy, PTA, Tymps, OAEs for newborns	***Hearing eval using words and tones***	PTA - no SRT, Tymps	PTA, Tymps	Tymps
What type of word list is used in order to assess WR?	N/A	None	***PB words, Spondees***	***Not familiar with test materials***	No speech discrimination	No speech discrimination	N/A
Are hearing aids &/or CIs available at your site?	Hearing aids	Hearing aids	Refer	Refer to ENT	HA available, CI referrals	Refer to ENT	Refer to ENT
What type of equipment are used to test hearing?	Pure tone audiometer	Tympanometer, Audiometer	Audiometer, tympanometer, tuning forks	Audiometer Tuning forks	Audiometer, Tympanometer	Tympanometer	Audiometer, Tympanometer, Tuning forks

Table 1: A summary of the results of the informal survey given to seven physicians in the Philippines. *KEY: PTA = pure tone audiometry, ABR = Auditory Brainstem Response, HAF = Hearing Aid Fitting, SPED = Special Education, HL = Hearing Loss, WR = Word Recognition, CI = Cochlear Implant, O/ENT = Otolaryngologist/Ear, Nose, Throat Physician, GP = General Physician, Tymps = Tympanometry, PB = Phonetically Balanced.*

CONSONANTS	voiced	unvoiced
BILABIAL		
plosives	b	p
	bː	pː
nasals	m	
	mː	
LABIODENTAL	v	f
DENTAL		
plosives	d	t
	dː	tː
nasals	n	
	nː	
trill	r	
fricatives		s
		sː
affricates	ʤ	ʧ
postalveolar		ʃ
lateral approximate	l	
	lː	
PALATAL		
approximate	j	
	jː	
VELAR		
plosives	g	k
	gː	kː
nasals	ŋ	
	ŋː	
LABIO-VELAR		
approximate	w	
GLOTTAL		
plosives	ʔ	
fricatives		h

Table 2: Chart of consonant phonemes in the Ilocano language.

VOWELS				
	FRONT	CENTRAL	BACK ROUND	BACK UNROUND
HIGH	i			u
MID	e			o
LOW		a		

Table 3: Chart of monophthong vowel phonemes in the Ilocano language.

DIPHTHONGS
ay
iw
uy
oy
aw

Table 4: Chart of diphthongs in the Ilocano language.

consonant phoneme	***Freq. of occurrence***	***vowel phoneme***	***Freq. of occurrence***
t	0.0834	a	0.2235
n	0.0723	i	0.1241
k	0.0488	u	0.0367
d	0.0362	o	0.0341
s	0.0361	e	0.0341
g	0.0352	ay	0.0193
p	0.0317	aw	0.0056
m	0.0275	oy	0.0032
l	0.0255	uy	0.0007
ŋ	0.0246	iw	0.0003
r	0.0235	ALL VOWELS	0.4820
ʔ	0.0208		
b	0.0179		
nː	0.0079		
j	0.0063		
w	0.0061		
dː	0.0030		
h	0.0026		
ʃ	0.0016		
mː	0.0016		
ʤ	0.0011		
kː	0.0007		
tː	0.0007		
ŋː	0.0002		
lː	0.0002		
gː	0.0002		
ʧ	0.0002		
bː	0.0002		
sː	0.0001		
pː	0.0001		
v	0.0000		
jː	0.0000		
f	0.0000		
ALL CONSONANTS	0.5179		

Table 5: Frequency of occurrence of each phoneme in the language sample arranged in descending order, for consonants, monophthongs and diphthongs, separately. Although the table presents the frequency of occurrence of /v/ as zero, it is actually 0.000069. The frequency of occurrence of /z/, /jː/ and /f/, however, are exactly zero for this language sample.

WORDS WITH	# OF DIFFERENT WORDS
1-syllable	30
2-syllable	188
3-syllable	265
4-syllable	214
5-syllable	120
6-syllable	60
7-syllable	10
8-syllable	2
TOTAL	889

Table 6: A count of the number of different words, in the language sample, with 1, 2, 3, 4, 5, 6, 7 and 8 syllables.

TYPE	NUMBER OF DIFFERENT WORDS	FREQUENCY OF OCCURRENCE
CCVCCV	**5**	**0.0266**
CCVCCVCC	**1**	**0.0053**
CCVCV	**5**	**0.0266**
CCVCVC	**2**	**0.0106**
CVCCCV	**1**	**0.0053**
CVCCV	**25**	**0.1330**
CVCCVC	**15**	**0.0798**
CVCV	**34**	**0.1809**
CVCVC	**46**	**0.2447**
CVV	**2**	**0.0106**
CVVC	**6**	**0.0319**
VCCCVC	**2**	**0.0106**
VCCV	**3**	**0.0160**
VCCVC	**5**	**0.0266**
VCV	**19**	**0.1011**
VCVC	**16**	**0.0851**
VV	**1**	**0.0053**
	188	**1.0000**

Table 7: Frequency of occurrence for each syllable structure for the two-syllable words in the language sample.

RATERS	# OF WORDS
All 15 raters judged word as common	79
Exactly 14 of 15 raters judged word as common	73
Exactly 13 of 15 raters judged word as common	70
Exactly 12 of 15 raters judged word as common	40
TOTAL	262

Table 8: The table is a breakdown of the number of words rated as common, by various numbers of raters. A total of 372 words were rated.

	p	b	m	t	d	n	r	s	l	j	k	g	ŋ	w	ʔ	i	ɛ	u	o	ɑ	ay
list 1																					
Actual no. of occurrences in list	7	10	8	20	12	16	7	12	9	2	13	9	6	2	2	23	3	11	10	51	2
Expected no. of occurrences in list	7	4	6	20	9	17	6	8	6	1	11	8	6	1	5	29	8	8	8	53	4
list2																					
Actual no. of occurrences in list	4	12	7	17	12	15	7	13	12	0	10	12	6	3	5	25	4	12	6	48	5
Expected no. of occurrences in list	7	4	6	20	9	17	6	8	6	1	11	8	6	1	5	29	8	9	8	53	5
list 3																					
Actual no. of occurrences in list	7	11	7	12	13	12	10	16	15	0	10	16	5	0	4	21	6	17	4	44	4
Expected no. of occurrences in list	7	4	6	20	8	17	6	8	6	1	11	8	6	1	5	29	8	9	8	52	5

Table 9: This table is a summary of the final phonetic distribution in each of the three lists created. The number of times each phoneme was expected to have occurred and the number of times each phoneme actually occurred is shown for each list. The expected occurrence was determined by the following calculation: expected frequency of occurrence x total number of phonemes in each individual list.

	EXPECTED # OF		ACTUAL OCCURRENCES	
SYLLABLE TYPE	**OCCURRENCES IN EACH LIST**	**LIST 1**	**LIST 2**	**LIST 3**
CVCVC	15	20	19	25
CVCV	11	8	9	8
CVCCV	8	5	5	3
VCV	6	5	4	2
VCVC	5	5	6	6
CVCCVC	5	7	7	6
TOTAL WORDS	50	50	50	50

Table 10: This table is a summary of the 6 most common syllable types (column one), the expected occurrence per list for each syllable type (column two) and the actual occurrences of each type (columns three, four and five).

WORDS	frequency of											
	occurrence			BILABIAL								
		num syll	*wt num s*	*plosives*								*nasal*
				p		pː		b		bː		m
a	288	1	288		0		0		0		0	
ababa	1	3	3		0		0	2	0.0001396		0	
abogado	1	4	4		0		0	1	6.98E-05		0	
abut	1	2	2		0		0	1	6.98E-05		0	
ad-adda	2	3	6		0		0		0		0	
ad-adu	1	3	3		0		0		0		0	
adal	3	2	6		0		0		0		0	
adalan	1	3	3		0		0		0		0	
adalda	1	3	3		0		0		0		0	
adda	26	2	52		0		0		0		0	
addaak	1	3	3		0		0		0		0	
addaan	3	3	9		0		0		0		0	
addaanda	1	4	4		0		0		0		0	
addan	1	2	2		0		0		0		0	
addang	1	2	2		0		0		0		0	
addatayo	1	4	4		0		0		0		0	
adipen	1	3	3	1	6.98E-05		0		0		0	
adtoy	1	2	2		0		0		0		0	
adu	4	2	8		0		0		0		0	
aduda	4	3	12		0		0		0		0	
agad-adal	3	4	12		0		0		0		0	
agadal	4	3	12		0		0		0		0	
agaduduma	1	5	5		0		0		0		0	1
agarup	1	3	3	1	6.98E-05		0		0		0	
agasanna	1	4	4		0		0		0		0	
agasem	1	3	3		0		0		0		0	1
agbiag	1	2	2		0		0	1	6.98E-05		0	
agbiagen	1	3	3		0		0	1	6.98E-05		0	
agbilib	1	3	3		0		0	2	0.0001396		0	
agbutos	2	3	6		0		0	1	0.0001396		0	
agdaydayawtayo	1	6	6		0		0		0		0	
agdepende	1	3	3	1	6.98E-05		0		0		0	
agindegen	1	4	4		0		0		0		0	
agingga	4	3	12		0		0		0		0	
agkabannuag	4	4	16		0		0	1	0.0002792		0	
agkakabsat	2	4	8		0		0	1	0.0001396		0	
agkuna	1	3	3		0		0		0		0	
aglukat	1	3	3		0		0		0		0	
agnaed	1	3	3		0		0		0		0	
agnanayon	2	4	8		0		0		0		0	
agngudo	1	3	3		0		0		0		0	
agpabuyada	1	5	5	1	6.98E-05		0	1	6.98E-05		0	
agpannuray	1	4	4	1	6.98E-05		0		0		0	
agpaut	1	3	3	1	6.98E-05		0		0		0	
agraman	2	3	6		0		0		0		0	1
agsapul	1	3	3	1	6.98E-05		0		0		0	
agsasao	1	4	4		0		0		0		0	

agserbi	1	3	3		0		0	1	6.98E-05		0	
agsisipattayo	1	6	6	1	6.98E-05		0		0		0	
agsupangil	1	4	4	1	6.98E-05		0		0		0	
agtaeng	1	3	3		0		0		0		0	
agtaktakder	1	4	4		0		0		0		0	
agtalinaed	1	5	5		0		0		0		0	
agtamed	1	3	3		0		0		0		0	1
agtoktoktok	3	4	12		0		0		0		0	
agtrabaho	2	4	8		0		0	1	0.0001396		0	
agtultuloy	1	4	4		0		0		0		0	
agtutubo	1	4	4		0		0	1	6.98E-05		0	
akademia	1	4	4		0		0		0		0	1
akem	5	2	10		0		0		0		0	1
akemna	1	3	3		0		0		0		0	1
akmen	1	2	2		0		0		0		0	1
akmenna	1	3	3		0		0		0		0	1
alaen	1	3	3		0		0		0		0	
am-ammo	1	3	3		0		0		0		0	1
ami	1	2	2		0		0		0		0	1
amin	6	2	12		0		0		0		0	1
amirisenyo	1	5	5		0		0		0		0	1
ammak	1	2	2		0		0		0		0	
ammo	2	2	4		0		0		0		0	
ammoda	1	3	3		0		0		0		0	
ammona	1	3	3		0		0		0		0	
anagen	1	3	3		0		0		0		0	
anagenyo	1	4	4		0		0		0		0	
anensia	1	3	3		0		0		0		0	
anep	1	2	2	1	6.98E-05		0		0		0	
ania	5	2	10		0		0		0		0	
annakda	1	3	3		0		0		0		0	
anomalia	1	4	4		0		0		0		0	1
anus	1	2	2		0		0		0		0	
apaman	1	3	3	1	6.98E-05		0		0		0	1
apay	2	2	4	1	0.0001396		0		0		0	
aplikasionna	1	5	5	1	6.98E-05		0		0		0	
apo	6	2	12	1	0.0004188		0		0		0	
apokalipsis	2	5	10	2	0.0002792		0		0		0	
aprobaranto	1	5	5	1	6.98E-05		0	1	6.98E-05		0	
aramaten	1	4	4		0		0		0		0	1
aramiden	1	4	4		0		0		0		0	1
aramidenna	1	5	5		0		0		0		0	1
arapaapna	1	5	5	2	0.0001396		0		0		0	
ari	3	2	6		0		0		0		0	
asawa	3	3	9		0		0		0		0	
asi	2	2	4		0		0		0		0	
asignatura	2	5	10		0		0		0		0	
asino	2	3	6		0		0		0		0	
asosasion	1	4	4		0		0		0		0	
awaganna	1	4	4		0		0		0		0	
awan	9	2	18		0		0		0		0	
awanan	1	3	3		0		0		0		0	

ay	1	1	1		0		0		0		0	
aya	2	2	4		0		0		0		0	
ayatna	2	3	6		0		0		0		0	
baba	1	2	2		0		0	2	0.0001396		0	
babaen	4	3	12		0		0	2	0.0005584		0	
babai	2	3	6		0		0	2	0.0002792		0	
balay	2	2	4		0		0	1	0.0001396		0	
balikas	9	3	27		0		0	1	0.0006282		0	
banag	1	2	2		0		0	1	6.98E-05		0	
banko	2	2	4		0		0	1	0.0001396		0	
bannawag	2	3	6		0		0	1	0.0001396		0	
banniit	1	3	3		0		0	1	6.98E-05		0	
bannuar	1	3	3		0		0	1	6.98E-05		0	
bannuarda	1	4	4		0		0	1	6.98E-05		0	
baranggayyo	1	4	4		0		0	1	6.98E-05		0	
bario	1	2	2		0		0	1	6.98E-05		0	
baro	2	2	4		0		0	1	0.0001396		0	
basol	1	2	2		0		0	1	6.98E-05		0	
bassit	1	2	2		0		0	1	6.98E-05		0	
basta	1	2	2		0		0	1	6.98E-05		0	
baul	1	2	2		0		0	1	6.98E-05		0	
bay-am	1	2	2		0		0	1	6.98E-05		0	1
bayat	2	2	4		0		0	1	0.0001396		0	
benneg	1	2	2		0		0	1	6.98E-05		0	
biagna	1	2	2		0		0	1	6.98E-05		0	
biagtayo	5	3	15		0		0	1	0.000349		0	
biang	1	1	1		0		0	1	6.98E-05		0	
biblia	2	3	6		0		0	2	0.0002792		0	
biddut	1	2	2		0		0	1	6.98E-05		0	
bigbigentayo	1	5	5		0		0	2	0.0001396		0	
biit	1	2	2		0		0	1	6.98E-05		0	
bilang	3	2	6		0		0	1	0.0002094		0	
bilin	1	2	2		0		0	1	6.98E-05		0	
bilogna	1	3	3		0		0	1	6.98E-05		0	
binigbig	1	3	3		0		0	2	0.0001396		0	
binuangay	1	3	3		0		0	1	6.98E-05		0	
biroken	1	3	3		0		0	1	6.98E-05		0	
bisaya	1	3	3		0		0	1	6.98E-05		0	
bista	1	2	2		0		0	1	6.98E-05		0	
bravo	1	2	2		0		0	1	6.98E-05		0	
bukodna	1	3	3		0		0	1	6.98E-05		0	
bumdeng	1	2	2		0		0	1	6.98E-05		0	1
bunggoy	1	2	2		0		0	1	6.98E-05		0	
bupete	2	3	6	1	0.0001396		0	1	0.0001396		0	
da	3	1	3		0		0		0		0	
dadagsen	1	3	3		0		0		0		0	
dadakkel	2	3	6		0		0		0		0	
dadduma	2	3	6		0		0		0		0	1
daga	1	2	2		0		0		0		0	
dagiti	69	3	207		0		0		0		0	
dagitoy	7	3	21		0		0		0		0	
dagum	1	2	2		0		0		0		0	1

dagus	4	2	8		0		0		0		0	
dakayo	3	3	9		0		0		0		0	
dakkel	2	2	4		0		0		0		0	
damagko	1	3	3		0		0		0		0	1
darana	1	3	3		0		0		0		0	
darum	1	2	2		0		0		0		0	1
datayon	1	3	3		0		0		0		0	
daydi	7	2	14		0		0		0		0	
dayta	9	2	18		0		0		0		0	
daytoy	18	2	36		0		0		0		0	
denggentayo	1	4	4		0		0		0		0	
di	17	1	17		0		0		0		0	
diay	4	1	4		0		0		0		0	
diksionario	3	4	12		0		0		0		0	
dimlaw	1	2	2		0		0		0		0	1
dimmakkel	1	3	3		0		0		0		0	
dina	1	2	2		0		0		0		0	
dinto	1	2	2		0		0		0		0	
dita	2	2	4		0		0		0		0	
ditay	1	2	2		0		0		0		0	
ditoy	2	2	4		0		0		0		0	
diyo	2	2	4		0		0		0		0	
diyon	1	2	2		0		0		0		0	
doktor	1	2	2		0		0		0		0	
drama	3	2	6		0		0		0		0	1
dua	1	1	1		0		0		0		0	
duapulo	2	3	6	1	0.0001396		0		0		0	
duri	1	2	2		0		0		0		0	
dutokan	1	3	3		0		0		0		0	
gagetda	1	3	3		0		0		0		0	
ganansia	1	3	3		0		0		0		0	
ganuat	2	2	4		0		0		0		0	
gapu	12	2	24	1	0.0008376		0		0		0	
gasolina	1	4	4		0		0		0		0	
gastosen	1	3	3		0		0		0		0	
ginatangnatayon	1	6	6		0		0		0		0	
gin-awa	1	3	3		0		0		0		0	
gobierno	4	3	12		0		0	1	0.0002792		0	
gramatika	1	4	4		0		0		0		0	1
gundaway	2	3	6		0		0		0		0	
gunglo	2	2	4		0		0		0		0	
hapon	1	2	2	1	6.98E-05		0		0		0	
hueteng	1	2	2		0		0		0		0	
husgado	1	3	3		0		0		0		0	
jesus	18	2	36		0		0		0		0	
juan	1	1	1		0		0		0		0	
i	1	1	1		0		0		0		0	
ibabakto	1	4	4		0		0	2	0.0001396		0	
ibaga	1	3	3		0		0	1	6.98E-05		0	
ibagam	1	3	3		0		0	1	6.98E-05		0	1
ibunga	1	3	3		0		0	1	6.98E-05		0	
ibutos	2	3	6		0		0	1	0.0001396		0	

ibutostayo	1	5	5		0		0	1	6.98E-05		0	
ibutosyo	2	4	8		0		0	1	0.0001396		0	
ida	3	2	6		0		0		0		0	
idi	21	2	42		0		0		0		0	
idiay	5	2	10		0		0		0		0	
idiayna	1	3	3		0		0		0		0	
idin	1	2	2		0		0		0		0	
idupag	1	3	3	1	6.98E-05		0		0		0	
igatang	1	3	3		0		0		0		0	
iglesia	1	3	3		0		0		0		0	
ikikkan	1	3	3		0		0		0		0	
ikuyognatayo	1	5	5		0		0		0		0	
iladladawanna	1	6	6		0		0		0		0	
ilawlawagna	1	5	5		0		0		0		0	
ilokano	16	4	64		0		0		0		0	
ilukat	1	3	3		0		0		0		0	
ilukatantayo	1	6	6		0		0		0		0	
iluko	45	3	135		0		0		0		0	
imbes	1	2	2		0		0	1	6.98E-05		0	1
immakarda	1	4	4		0		0		0		0	
immay	2	2	4		0		0		0		0	
immisem	1	3	3		0		0		0		0	1
immuna	1	3	3		0		0		0		0	
impakitana	1	5	5	1	6.98E-05		0		0		0	1
impintana	1	4	4	1	6.98E-05		0		0		0	1
inagasan	1	4	4		0		0		0		0	
inanamaenna	1	6	6		0		0		0		0	1
inanamongan	2	5	10		0		0		0		0	1
inan-anusanna	1	6	6		0		0		0		0	
inauan	1	3	3		0		0		0		0	
inawaganda	1	5	5		0		0		0		0	
inawisna	1	4	4		0		0		0		0	
indatagna	3	4	12		0		0		0		0	
indatonna	1	4	4		0		0		0		0	
ingles	3	2	6		0		0		0		0	
in-inut	1	3	3		0		0		0		0	
inkabilko	1	4	4		0		0	1	6.98E-05		0	
inkeddengna	1	4	4		0		0		0		0	
inlawlawagna	1	5	5		0		0		0		0	
inlayonnan	1	4	4		0		0		0		0	
innala	1	3	3		0		0		0		0	
inruam	1	2	2		0		0		0		0	1
insingasingna	1	5	5		0		0		0		0	
insuratna	2	4	8		0		0		0		0	
intayon	1	3	3		0		0		0		0	
intermedia	1	4	4		0		0		0		0	1
inton	3	2	6		0		0		0		0	
intuyang	1	3	3		0		0		0		0	
inyappan	1	3	3		0	1	6.9798E-05		0		0	
inyisem	1	3	3		0		0		0		0	1
inyusuat	1	3	3		0		0		0		0	
inyusuatna	1	4	4		0		0		0		0	

ipabpabuya	1	5	5	2	0.0001396		0	2	0.0001396		0	
ipakawantayo	1	6	6	1	6.98E-05		0		0		0	
ipakpakayat	1	5	5	2	0.0001396		0		0		0	
ipalagip	1	4	4	2	0.0001396		0		0		0	
ipalaka	1	4	4	1	6.98E-05		0		0		0	
ipalakana	1	5	5	1	6.98E-05		0		0		0	
ipapaay	1	4	4	2	0.0001396		0		0		0	
ipempempenda	1	5	5	3	0.0002094		0		0		0	2
irarang-ay	2	4	8		0		0		0		0	
isu	5	2	10		0		0		0		0	
isuna	1	3	3		0		0		0		0	
isuratna	2	4	8		0		0		0		0	
ita	1	2	2		0		0		0		0	
itan	1	2	2		0		0		0		0	
itay	2	2	4		0		0		0		0	
itden	1	2	2		0		0		0		0	
iti	260	2	520		0		0		0		0	
itoy	8	2	16		0		0		0		0	
kaadda	1	3	3		0		0		0		0	
kaaduan	5	3	15		0		0		0		0	
kaano	2	3	6		0		0		0		0	
kabadanganna	1	5	5		0		0	1	6.98E-05		0	
kabaelan	1	4	4		0		0	1	6.98E-05		0	
kabarbaro	3	4	12		0		0	2	0.0004188		0	
kabayatanna	1	5	5		0		0	1	6.98E-05		0	
kabsatna	2	3	6		0		0	1	0.0001396		0	
kad	1	1	1		0		0		0		0	
kadagiti	34	4	136		0		0		0		0	
kadagitoy	3	4	12		0		0		0		0	
kadakuada	2	4	8		0		0		0		0	
kadatayo	9	4	36		0		0		0		0	
kadawyan	1	3	3		0		0		0		0	
kadi	2	2	4		0		0		0		0	
kadua	1	2	2		0		0		0		0	
kailukoan	1	4	4		0		0		0		0	
kaimalmaldit	1	5	5		0		0		0		0	2
kaimbagan	1	4	4		0		0	1	6.98E-05		0	1
kakabagian	1	4	4		0		0	1	6.98E-05		0	
kakabsat	2	3	6		0		0	1	0.0001396		0	
kakaisuna	1	5	5		0		0		0		0	
kalikagumanna	1	6	6		0		0		0		0	1
kalinteganda	1	5	5		0		0		0		0	
kalipikasion	1	5	5	1	6.98E-05		0		0		0	
kallaysa	1	3	3		0		0		0		0	
kalpasan	3	3	9	1	0.0002094		0		0		0	
kalsada	1	3	3		0		0		0		0	
kamali	1	3	3		0		0		0		0	1
kamaudiananna	1	6	6		0		0		0		0	1
kandidato	1	4	4		0		0		0		0	
kangatuan	1	3	3		0		0		0		0	
kangrunaan	5	4	20		0		0		0		0	
kangrunaanna	2	5	10		0		0		0		0	

kaniak	2	2	4		0		0		0		0	
kanito	1	3	3		0		0		0		0	
kapadasan	1	4	4	1	6.98E-05		0		0		0	
kapanunotanna	1	6	6	1	6.98E-05		0		0		0	
kapigsaan	1	4	4	1	6.98E-05		0		0		0	
kapiniaan	1	4	4	1	6.98E-05		0		0		0	
kari	4	2	8		0		0		0		0	
kas	30	1	30		0		0		0		0	
kasano	3	3	9		0		0		0		0	
kasanon	1	3	3		0		0		0		0	
kasapulan	2	4	8	1	0.0001396		0		0		0	
kasasaad	1	4	4		0		0		0		0	
kasla	2	2	4		0		0		0		0	
kasta	6	2	12		0		0		0		0	
kategoria	1	4	4		0		0		0		0	
kaudian	1	3	3		0		0		0		0	
kaunasan	3	4	12		0		0		0		0	
kayat	3	2	6		0		0		0		0	
kayatna	6	3	18		0		0		0		0	
kayo	1	2	2		0		0		0		0	
ken	60	1	60		0		0		0		0	
kenka	1	2	2		0		0		0		0	
kenkuana	9	3	27		0		0		0		0	
ket	33	1	33		0		0		0		0	
ketdi	1	2	2		0		0		0		0	
kinaadalanna	1	6	6		0		0		0		0	
kinadakes	1	4	4		0		0		0		0	
kinakillo	1	4	4		0		0		0		0	
kinalakana	1	5	5		0		0		0		0	
kinapudno	1	4	4	1	6.98E-05		0		0		0	
kinunana	3	4	12		0		0		0		0	
klase	1	2	2		0		0		0		0	
kliente	1	3	3		0		0		0		0	
klinika	2	3	6		0		0		0		0	
kolehio	3	3	9		0		0		0		0	
koma	6	1	6		0		0		0		0	1
kompania	3	3	9	1	0.0002094		0		0		0	1
kongkreto	1	3	3		0		0		0		0	
korte	3	2	6		0		0		0		0	
kredibilidadna	1	6	6		0		0	1	6.98E-05		0	
kristo	1	2	2		0		0		0		0	
krus	1	1	1		0		0		0		0	
kuarta	1	2	2		0		0		0		0	
kukuanatayo	1	5	5		0		0		0		0	
kuna	3	2	6		0		0		0		0	
kunada	2	3	6		0		0		0		0	
kunana	1	3	3		0		0		0		0	
kunkuna	1	3	3		0		0		0		0	
kurakot	1	3	3		0		0		0		0	
kurso	8	2	16		0		0		0		0	
la	1	1	1		0		0		0		0	
laeng	17	2	34		0		0		0		0	

laengen	1	3	3		0		0		0		0	
laing	1	2	2		0		0		0		0	
langana	2	3	6		0		0		0		0	
legal	1	2	2		0		0		0		0	
lengguahe	6	3	18		0		0		0		0	
letra	1	2	2		0		0		0		0	
libro	1	2	2		0		0	1	6.98E-05		0	
librona	2	3	6		0		0	1	0.0001396		0	
linteg	1	2	2		0		0		0		0	
liwayway	1	3	3		0		0		0		0	
lubong	2	2	4		0		0	1	0.0001396		0	
lugar	1	2	2		0		0		0		0	
lupot	1	2	2	1	6.98E-05		0		0		0	
maaddaan	1	4	4		0		0		0		0	1
maakemna	1	4	4		0		0		0		0	2
maanag	1	3	3		0		0		0		0	1
maaprobaran	1	5	5	1	6.98E-05		0	1	6.98E-05		0	1
maaramat	4	4	16		0		0		0		0	2
maaturko	1	4	4		0		0		0		0	1
mababain	1	4	4		0		0	2	0.0001396		0	1
mabalin	5	3	15		0		0	1	0.000349		0	1
mabalintayo	1	5	5		0		0	1	6.98E-05		0	1
mabenepisiaran	1	6	6	1	6.98E-05		0	1	6.98E-05		0	1
mabiangan	1	3	3		0		0	1	6.98E-05		0	1
mabigbig	4	3	12		0		0	2	0.0005584		0	1
mabubos	1	3	3		0		0	2	0.0001396		0	1
maestro	1	2	2		0		0		0		0	1
magabenan	1	4	4		0		0	1	6.98E-05		0	1
magapgapuanda	1	5	5	2	0.0001396		0		0		0	1
magasin	2	3	6		0		0		0		0	1
magatgatang	2	4	8		0		0		0		0	1
magun-od	1	3	3		0		0		0		0	1
maibagana	1	5	5		0		0	1	6.98E-05		0	1
maibatay	1	4	4		0		0	1	6.98E-05		0	1
maidasig	1	4	4		0		0		0		0	1
maideposito	2	6	12	1	0.0001396		0		0		0	1
maisaad	1	4	4		0		0		0		0	1
maikadua	5	4	20		0		0		0		0	1
maikatlo	1	4	4		0		0		0		0	1
maikkan	3	3	9		0		0		0		0	1
mailaklako	1	5	5		0		0		0		0	1
mailaksid	3	4	12		0		0		0		0	1
mailukat	1	4	4		0		0		0		0	1
maipalaka	1	5	5	1	6.98E-05		0		0		0	1
maipalakana	1	6	6	1	6.98E-05		0		0		0	1
maipanamnama	1	6	6	1	6.98E-05		0		0		0	3
maipanggep	1	4	4	2	0.0001396		0		0		0	1
mairaman	1	4	4		0		0		0		0	2
maisakadna	1	5	5		0		0		0		0	1
maisawang	1	4	4		0		0		0		0	1
maisuro	3	4	12		0		0		0		0	1
maiyannatup	1	4	4	1	6.98E-05		0		0		0	1

makaala	1	4	4		0		0		0		0	1
makaaramid	1	5	5		0		0		0		0	2
makaawat	2	4	8		0		0		0		0	1
makabasa	1	4	4		0		0	1	6.98E-05		0	1
makaigapu	1	5	5	1	6.98E-05		0		0		0	1
makalapsuttayo	1	6	6	1	6.98E-05		0		0		0	1
makankantaan	1	5	5		0		0		0		0	1
makaruar	1	3	3		0		0		0		0	1
makarubsi	1	4	4		0		0	1	6.98E-05		0	1
makasao	2	4	8		0		0		0		0	1
makasapul	1	4	4	1	6.98E-05		0		0		0	1
makastrek	3	3	9		0		0		0		0	1
makasurat	1	4	4		0		0		0		0	1
makatarus	1	4	4		0		0		0		0	1
makaturpos	1	4	4	1	6.98E-05		0		0		0	1
makaurnong	1	4	4		0		0		0		0	1
makayaon	1	4	4		0		0		0		0	1
makayusuat	1	4	4		0		0		0		0	1
makiayontayo	1	6	6		0		0		0		0	1
makipagmaymaysa	1	6	6	1	6.98E-05		0		0		0	3
makipagtaeng	1	5	5	1	6.98E-05		0		0		0	1
makipanganakto	1	6	6	1	6.98E-05		0		0		0	1
makirinnupir	1	5	5	1	6.98E-05		0		0		0	1
makita	1	3	3		0		0		0		0	1
makuna	2	3	6		0		0		0		0	1
malagiptayo	1	5	5	1	6.98E-05		0		0		0	1
malaksid	4	3	12		0		0		0		0	1
malisian	1	3	3		0		0		0		0	1
mamati	2	3	6		0		0		0		0	2
man	9	1	9		0		0		0		0	1
managan	1	3	3		0		0		0		0	1
manamnama	1	4	4		0		0		0		0	3
manang	9	2	18		0		0		0		0	1
manen	1	2	2		0		0		0		0	1
mangala	1	3	3		0		0		0		0	1
mangal-ala	1	4	4		0		0		0		0	1
mangbasbasa	1	4	4		0		0	2	0.0001396		0	1
mangbukel	1	3	3		0		0	1	6.98E-05		0	1
mangidiaya	1	4	4		0		0		0		0	1
mangilukat	1	4	4		0		0		0		0	1
mangipaay	1	4	4	1	6.98E-05		0		0		0	1
mangipalaka	1	5	5	1	6.98E-05		0		0		0	1
mangipangpangruna	1	6	6	2	0.0001396		0		0		0	1
mangipatarus	2	5	10	1	0.0001396		0		0		0	1
mangisalakan	2	5	10		0		0		0		0	1
mangisuro	1	4	4		0		0		0		0	1
mangituloy	1	4	4		0		0		0		0	1
mangmangged	1	3	3		0		0		0		0	2
mangmangted	1	3	3		0		0		0		0	2
mangngagas	1	3	3		0		0		0		0	1
mangngalap	1	3	3	1	6.98E-05		0		0		0	1
mangray-aw	1	3	3		0		0		0		0	1

mangruk-at	1	3	3		0		0		0		0	1
mangsagat	1	3	3		0		0		0		0	1
mangtagiben	1	4	4		0		0	1	6.98E-05		0	1
mangtartarabay	1	5	5		0		0	1	6.98E-05		0	1
mangted	2	2	4		0		0		0		0	1
manipud	5	3	15	1	0.000349		0		0		0	1
mannurat	3	3	9		0		0		0		0	1
mannursuro	1	4	4		0		0		0		0	1
mapan	1	2	2	1	6.98E-05		0		0		0	1
mapastrekda	1	4	4	1	6.98E-05		0		0		0	1
maragsakantayo	1	6	6		0		0		0		0	1
masadsadutkay	1	5	5		0		0		0		0	1
masakatanto	1	5	5		0		0		0		0	1
masakbayan	1	4	4		0		0	1	6.98E-05		0	1
masaktan	1	3	3		0		0		0		0	1
maseknan	1	3	3		0		0		0		0	1
masisirib	1	4	4		0		0	1	6.98E-05		0	1
masungbatan	1	4	4		0		0	1	6.98E-05		0	1
mata	1	2	2		0		0		0		0	1
matubay	1	3	3		0		0	1	6.98E-05		0	1
matungpal	1	3	3	1	6.98E-05		0		0		0	1
maugasantayo	1	6	6		0		0		0		0	1
mayarpad	1	3	3	1	6.98E-05		0		0		0	1
mayat	1	2	2		0		0		0		0	1
mayetnag	1	3	3		0		0		0		0	1
mayo	1	2	2		0		0		0		0	1
maysa	21	2	42		0		0		0		0	1
mental	1	2	2		0		0		0		0	1
met	32	1	32		0		0		0		0	1
mismo	1	2	2		0		0		0		0	2
naagapad	1	4	4	1	6.98E-05		0		0		0	
naagapaden	1	5	5	1	6.98E-05		0		0		0	
naagapadna	1	5	5	1	6.98E-05		0		0		0	
naala	1	3	3		0		0		0		0	
naamiris	1	4	4		0		0		0		0	1
naanamongan	3	5	15		0		0		0		0	1
naananay	1	4	4		0		0		0		0	
naan-anay	1	4	4		0		0		0		0	
naanep	1	3	3	1	6.98E-05		0		0		0	
naaprobaran	1	5	5	1	6.98E-05		0	1	6.98E-05		0	
naaramat	1	4	4		0		0		0		0	1
nababa	1	3	3		0		0	2	0.0001396		0	
nabiag	1	2	2		0		0	1	6.98E-05		0	
nabigbig	2	3	6		0		0	2	0.0002792		0	
nabilbileg	1	4	4		0		0	2	0.0001396		0	
nadakamaten	1	5	5		0		0		0		0	1
nadaras	1	3	3		0		0		0		0	
nadlawna	3	3	9		0		0		0		0	
nadumaduma	1	5	5		0		0		0		0	2
nadutokan	1	4	4		0		0		0		0	
nagadal	2	3	6		0		0		0		0	
nagaplay	1	3	3	1	6.98E-05		0		0		0	

nagbalinen	1	4	4		0		0	1	6.98E-05		0	
nagbasaranna	1	5	5		0		0	1	6.98E-05		0	
nagbayag	1	3	3		0		0	1	6.98E-05		0	
naggapu	1	3	3	1	6.98E-05		0		0		0	
naggibus	1	3	3		0		0	1	6.98E-05		0	
nagiwaras	1	4	4		0		0		0		0	
nagkakauna	3	5	15		0		0		0		0	
nagkuna	4	3	12		0		0		0		0	
naglakolako	1	5	5		0		0		0		0	
naglasag	2	3	6		0		0		0		0	
naglasat	1	3	3		0		0		0		0	
nagmayaten	1	4	4		0		0		0		0	1
negosio	1	3	3		0		0		0		0	
nagpailista	1	5	5	1	6.98E-05		0		0		0	
nagpatingga	1	4	4	1	6.98E-05		0		0		0	
nagpupuniponan	1	6	6	3	0.0002094		0		0		0	
nagsangpet	2	3	6	1	0.0001396		0		0		0	
nagsardeng	1	3	3		0		0		0		0	
nagsurat	2	3	6		0		0		0		0	
nagtultuloy	1	4	4		0		0		0		0	
nagtultuloyen	1	5	5		0		0		0		0	
nagturpos	3	3	9	1	0.0002094		0		0		0	
nagummong	1	3	3		0		0		0		0	
naguyugoy	1	4	4		0		0		0		0	
naibayog	2	4	8		0		0	1	0.0001396		0	
naidanon	1	4	4		0		0		0		0	
naidiaya	1	4	4		0		0		0		0	
naigagara	1	5	5		0		0		0		0	
naikkan	1	3	3		0		0		0		0	
nailian	1	3	3		0		0		0		0	
naimbag	1	3	3		0		0	1	6.98E-05		0	1
nainkalintegan	1	6	6		0		0		0		0	
naipangpangruna	1	5	5	2	0.0001396		0		0		0	
naipasngay	1	4	4	1	6.98E-05		0		0		0	
nairaman	1	4	4		0		0		0		0	1
nairugi	2	4	8		0		0		0		0	
naisurat	1	4	4		0		0		0		0	
naisuro	1	4	4		0		0		0		0	
naitulongna	1	5	5		0		0		0		0	
nakaadal	1	4	4		0		0		0		0	
nakabatubat	1	5	5		0		0	2	0.0001396		0	
nakadap-aw	2	4	8	1	0.0001396		0		0		0	
nakaipuonan	1	6	6	1	6.98E-05		0		0		0	
nakaisaadanda	1	7	7		0		0		0		0	
nakalapanna	1	5	5	1	6.98E-05		0		0		0	
nakarikep	2	4	8	1	0.0001396		0		0		0	
nakasagana	1	5	5		0		0		0		0	
nakatakder	1	4	4		0		0		0		0	
nakaturpos	1	4	4	1	6.98E-05		0		0		0	
nakipagsipsipatkayo	1	8	8	3	0.0002094		0		0		0	
nakitegged	1	4	4		0		0		0		0	
nakurkurang	1	4	4		0		0		0		0	

nalabit	1	3	3		0		0	1	6.98E-05		0	
naladawton	1	4	4		0		0		0		0	
nalaing	1	3	3		0		0		0		0	
nalapit	1	3	3	1	6.98E-05		0		0		0	
nalipatantan	1	5	5	1	6.98E-05		0		0		0	
nalipatanyo	1	5	5	1	6.98E-05		0		0		0	
namnamaen	1	4	4		0		0		0		0	2
namnamaennan	1	5	5		0		0		0		0	2
nanayonan	1	4	4		0		0		0		0	
nangala	1	3	3		0		0		0		0	
nangalap	1	3	3	1	6.98E-05		0		0		0	
nangatngato	1	4	4		0		0		0		0	
nangdayaw	1	3	3		0		0		0		0	
nangidatag	1	4	4		0		0		0		0	
nangikari	2	4	8		0		0		0		0	
nangiladawan	1	5	5		0		0		0		0	
nangipadakulap	1	6	6	2	0.0001396		0		0		0	
nangipatakder	1	5	5	1	6.98E-05		0		0		0	
nangrugi	1	3	3		0		0		0		0	
nangrugida	1	4	4		0		0		0		0	
nangruna	1	3	3		0		0		0		0	
nangsisip	1	3	3	1	6.98E-05		0		0		0	
napadayawan	1	5	5	1	6.98E-05		0		0		0	
napalabas	2	4	8	1	0.0001396		0	1	0.0001396		0	
napan	1	2	2	1	6.98E-05		0		0		0	
napartuat	1	3	3	1	6.98E-05		0		0		0	
napateg	1	3	3	1	6.98E-05		0		0		0	
napigsa	1	3	3	1	6.98E-05		0		0		0	
napiliyo	1	4	4	1	6.98E-05		0		0		0	
napintas	2	3	6	1	0.0001396		0		0		0	
napnapno	1	3	3	2	0.0001396		0		0		0	
napukaw	1	3	3	1	6.98E-05		0		0		0	
narangrang-ay	1	4	4		0		0		0		0	
nasayaat	1	4	4		0		0		0		0	
nasdaaw	1	3	3		0		0		0		0	
nasulinek	1	4	4		0		0		0		0	
nasurok	4	3	12		0		0		0		0	
nasuroken	1	4	4		0		0		0		0	
nataengan	1	4	4		0		0		0		0	
natagapulotan	1	6	6	1	6.98E-05		0		0		0	
natayag	1	3	3		0		0		0		0	
natenneb	1	3	3		0		0	1	6.98E-05		0	
naubing	2	3	6		0		0	1	0.0001396		0	
nayawat	1	3	3		0		0		0		0	
ne	1	1	1		0		0		0		0	
negosio	2	3	6		0		0		0		0	
ni	42	1	42		0		0		0		0	
no	33	1	33		0		0		0		0	
nupay	6	2	12	1	0.0004188		0		0		0	
nga	98	1	98		0		0		0		0	
ngalay	1	2	2		0		0		0		0	
ngamin	2	2	4		0		0		0		0	1

ngarud	5	2	10		0		0		0		0	
ngata	1	2	2		0		0		0		0	
ngimmato	1	3	3		0		0		0		0	
pablo	2	2	4	1	0.0001396		0	1	0.0001396		0	
pagaayatyo	1	5	5	1	6.98E-05		0		0		0	
pagadalan	4	4	16	1	0.0002792		0		0		0	
pagadalda	1	4	4	1	6.98E-05		0		0		0	
pagan-anayna	1	5	5	1	6.98E-05		0		0		0	
pagangayanna	1	5	5	1	6.98E-05		0		0		0	
pagannurotan	2	5	10	1	0.0001396		0		0		0	
pagatangan	1	4	4	1	6.98E-05		0		0		0	
pagat-attit	1	4	4	1	6.98E-05		0		0		0	
pagawisda	1	5	5	1	6.98E-05		0		0		0	
pagayatantayo	1	6	6	1	6.98E-05		0		0		0	
pagayatenna	1	5	5	1	6.98E-05		0		0		0	
pagbalinenna	1	5	5	1	6.98E-05		0	1	6.98E-05		0	
pagdaksanna	1	4	4	1	6.98E-05		0		0		0	
pagilian	2	3	6	1	0.0001396		0		0		0	
pagimbagantayo	2	6	12	1	0.0001396		0	1	0.0001396		0	1
pagindegan	1	4	4	1	6.98E-05		0		0		0	
pagitalekan	1	5	5	1	6.98E-05		0		0		0	
pagitalekanda	1	6	6	1	6.98E-05		0		0		0	
pagkamanganda	1	5	5	1	6.98E-05		0		0		0	1
pagkayammetten	1	5	5	1	6.98E-05		0		0		0	
pagkaykaysaan	1	5	5	1	6.98E-05		0		0		0	
pagmatrikula	1	5	5	1	6.98E-05		0		0		0	1
pagnaedan	1	4	4	1	6.98E-05		0		0		0	
pagngudengdenganyo	1	6	6	1	6.98E-05		0		0		0	
pagsapulan	3	4	12	2	0.0004188		0		0		0	
pagsasao	6	4	24	1	0.0004188		0		0		0	
pagsayaatanna	1	6	6	1	6.98E-05		0		0		0	
pagserbian	1	3	3	1	6.98E-05		0	1	6.98E-05		0	
pagsukisokan	1	5	5	1	6.98E-05		0		0		0	
pagturongan	1	4	4	1	6.98E-05		0		0		0	
pagyamanan	1	4	4	1	6.98E-05		0		0		0	1
paimbagantayo	1	6	6	1	6.98E-05		0	1	6.98E-05		0	1
pinting	1	2	2	1	6.98E-05		0		0		0	
pintingna	1	3	3	1	6.98E-05		0		0		0	
pintingyo	1	3	3	1	6.98E-05		0		0		0	
pakaipaayan	1	6	6	2	0.0001396		0		0		0	
pakairamanan	1	6	6	1	6.98E-05		0		0		0	1
pakasaritaan	1	6	6	1	6.98E-05		0		0		0	
pamastrekanda	1	5	5	1	6.98E-05		0		0		0	1
pamataudanda	1	6	6	1	6.98E-05		0		0		0	1
pamilawam	1	4	4	1	6.98E-05		0		0		0	2
pamilia	1	3	3	1	6.98E-05		0		0		0	1
pammadayaw	4	4	16	1	0.0002792		0		0		0	
pammaliiw	1	4	4	1	6.98E-05		0		0		0	
pammaneknek	1	4	4	1	6.98E-05		0		0		0	
pammigbig	1	3	3	1	6.98E-05		0	1	6.98E-05		0	
panagadal	1	4	4	1	6.98E-05		0		0		0	
panagadalna	1	5	5	1	6.98E-05		0		0		0	

panagaken	1	4	4	1	6.98E-05		0		0		0	
panagbalidasda	1	6	6	1	6.98E-05		0	1	6.98E-05		0	
panagbalinna	3	5	15	1	0.0002094		0	1	0.0002094		0	
panagbiagtayo	1	5	5	1	6.98E-05		0	1	6.98E-05		0	
panagipabuya	1	6	6	2	0.0001396		0	1	6.98E-05		0	
panagisuro	1	5	5	1	6.98E-05		0		0		0	
panaglukat	1	4	4	1	6.98E-05		0		0		0	
panagmaymaysa	1	5	5	1	6.98E-05		0		0		0	2
panagparangda	1	5	5	2	0.0001396		0		0		0	
panagramat	1	4	4	1	6.98E-05		0		0		0	1
panagrason	1	4	4	1	6.98E-05		0		0		0	
panagsantakna	1	5	5	1	6.98E-05		0		0		0	
panagsao	1	4	4	1	6.98E-05		0		0		0	
panagsasalip	1	5	5	2	0.0001396		0		0		0	
panagsurat	1	4	4	1	6.98E-05		0		0		0	
panagsuratda	1	5	5	1	6.98E-05		0		0		0	
panagtalinaedna	1	7	7	1	6.98E-05		0		0		0	
panangibagana	1	6	6	1	6.98E-05		0	1	6.98E-05		0	
panangidirehe	1	6	6	1	6.98E-05		0		0		0	
panangikalintegan	1	7	7	1	6.98E-05		0		0		0	
panangipaayna	1	6	6	2	0.0001396		0		0		0	
panangirugi	1	5	5	1	6.98E-05		0		0		0	
panangiwardas	1	5	5	1	6.98E-05		0		0		0	
panangparsuana	1	5	5	2	0.0001396		0		0		0	
panangsubadtayo	1	6	6	1	6.98E-05		0	1	6.98E-05		0	
panangyallatiwtayo	1	7	7	1	6.98E-05		0		0		0	
panawen	2	3	6	1	0.0001396		0		0		0	
pangallukoyda	1	5	5	1	6.98E-05		0		0		0	
pangarigan	2	4	8	1	0.0001396		0		0		0	
pangawag	1	3	3	1	6.98E-05		0		0		0	
pangay-ayo	1	4	4	1	6.98E-05		0		0		0	
panggepna	1	3	3	2	0.0001396		0		0		0	
pangilukatna	1	5	5	1	6.98E-05		0		0		0	
panglabana	1	4	4	1	6.98E-05		0	1	6.98E-05		0	
pangliwliwa	1	4	4	1	6.98E-05		0		0		0	
pangluktan	1	3	3	1	6.98E-05		0		0		0	
pangngeddeng	2	3	6	1	0.0001396		0		0		0	
pannakaagas	1	5	5	1	6.98E-05		0		0		0	
pannakaammo	1	5	5	1	6.98E-05		0		0		0	
pannakaaramat	3	6	18	1	0.0002094		0		0		0	1
pannakaawat	2	5	10	1	0.0001396		0		0		0	
pannakabartekda	1	6	6	1	6.98E-05		0	1	6.98E-05		0	
pannakaidagel	1	6	6	1	6.98E-05		0		0		0	
pannakaidanon	1	6	6	1	6.98E-05		0		0		0	
pannakaikkat	1	5	5	1	6.98E-05		0		0		0	
pannakailansana	1	7	7	1	6.98E-05		0		0		0	
pannakailukat	1	6	6	1	6.98E-05		0		0		0	
pannakaipalaka	1	7	7	2	0.0001396		0		0		0	
pannakaisardeng	1	6	6	1	6.98E-05		0		0		0	
pannakaisurat	1	6	6	1	6.98E-05		0		0		0	
pannakaisuro	4	6	24	1	0.0002792		0		0		0	
pannakakissay	1	6	6	1	6.98E-05		0		0		0	

pannakalukat	2	5	10	1	0.0001396		0		0		0	
pannakapaadu	1	6	6	2	0.0001396		0		0		0	
pannakapaaytayo	1	7	7	2	0.0001396		0		0		0	
pannakapabalin	1	6	6	2	0.0001396		0	1	6.98E-05		0	
pannakapatay	1	5	5	2	0.0001396		0		0		0	
pannakapnek	1	4	4	2	0.0001396		0		0		0	
pannakapukaw	1	5	5	2	0.0001396		0		0		0	
pannakausig	1	5	5	1	6.98E-05		0		0		0	
pannakibinnulig	1	6	6	1	6.98E-05		0	1	6.98E-05		0	
pannakipagpagnana	1	7	7	3	0.0002094		0		0		0	
pannao	1	7	7	1	6.98E-05		0		0		0	
pannarabay	1	4	4	1	6.98E-05		0	1	6.98E-05		0	
pannulisog	1	4	4	1	6.98E-05		0		0		0	
panungpalan	1	4	4	2	0.0001396		0		0		0	
papel	1	2	2	2	0.0001396		0		0		0	
papeles	1	3	3	2	0.0001396		0		0		0	
papelna	1	3	3	2	0.0001396		0		0		0	
parikuttayo	1	5	5	1	6.98E-05		0		0		0	
paset	3	2	6	1	0.0002094		0		0		0	
pastrekentayo	2	5	10	1	0.0001396		0		0		0	
patien	1	2	2	1	6.98E-05		0		0		0	
patienna	2	3	6	1	0.0001396		0		0		0	
pay	17	1	17	1	0.0011866		0		0		0	
payen	1	2	2	1	6.98E-05		0		0		0	
persona	1	3	3	1	6.98E-05		0		0		0	
pilipino	1	4	4	2	0.0001396		0		0		0	
pinaimbag	1	4	4	1	6.98E-05		0	1	6.98E-05		0	1
pinangikalintegan	1	7	7	1	6.98E-05		0		0		0	
pinangpatarayna	1	6	6	2	0.0001396		0		0		0	
pinilida	1	4	4	1	6.98E-05		0		0		0	
pintor	5	2	10	1	0.000349		0		0		0	
pinturam	1	3	3	1	6.98E-05		0		0		0	1
pisikal	1	3	3	1	6.98E-05		0		0		0	
plake	1	2	2	1	6.98E-05		0		0		0	
polis	1	2	2	1	6.98E-05		0		0		0	
politiko	6	4	24	1	0.0004188		0		0		0	
presio	1	2	2	1	6.98E-05		0		0		0	
problematayo	1	5	5	1	6.98E-05		0	1	6.98E-05		0	1
produkto	1	3	3	1	6.98E-05		0		0		0	
propesion	1	3	3	2	0.0001396		0		0		0	
propesional	1	4	4	2	0.0001396		0		0		0	
propesora	10	4	40	2	0.001396		0		0		0	
publiko	1	3	3	1	6.98E-05		0	1	6.98E-05		0	
pudno	2	2	4	1	0.0001396		0		0		0	
puesto	1	2	2	1	6.98E-05		0		0		0	
pundo	5	2	10	1	0.000349		0		0		0	
rabbi	1	2	2		0		0		0	1	6.9798E-05	
rabboni	1	3	3		0		0		0	1	6.9798E-05	
rason	1	2	2		0		0		0		0	
regget	1	2	2		0		0		0		0	
rehion	1	2	2		0		0		0		0	
reperensia	3	3	9	1	0.0002094		0		0		0	

restauran	1	3	3		0		0		0		0	
ribu	1	2	2		0		0	1	6.98E-05		0	
ridaw	6	2	12		0		0		0		0	
ridawtayo	1	4	4		0		0		0		0	
rigattayo	1	4	4		0		0		0		0	
riro	1	2	2		0		0		0		0	
ruangan	3	3	9		0		0		0		0	
ruar	2	2	4		0		0		0		0	
rumbeng	2	2	4		0		0	1	0.0001396		0	1
rumrummuar	1	3	3		0		0		0		0	2
sa	2	1	2		0		0		0		0	
saan	21	2	42		0		0		0		0	
saanen	2	3	6		0		0		0		0	
saanna	1	3	3		0		0		0		0	
saantayo	5	4	20		0		0		0		0	
saantayon	1	4	4		0		0		0		0	
sabali	2	3	6		0		0	1	0.0001396		0	
sabon	1	2	2		0		0	1	6.98E-05		0	
sadiay	1	2	2		0		0		0		0	
sadino	1	3	3		0		0		0		0	
sagubanittayo	1	6	6		0		0	1	6.98E-05		0	
sairo	1	3	3		0		0		0		0	
sakada	1	3	3		0		0		0		0	
sakbay	1	2	2		0		0	1	6.98E-05		0	
sakit	2	2	4		0		0		0		0	
sakitna	1	3	3		0		0		0		0	
saksakitantayo	1	6	6		0		0		0		0	
sala	1	2	2		0		0		0		0	
salaysay	1	3	3		0		0		0		0	
salun-at	2	3	6		0		0		0		0	
san	3	1	3		0		0		0		0	
sanaang	1	3	3		0		0		0		0	
sanga	1	2	2		0		0		0		0	
sangalubongan	5	5	25		0		0	1	0.000349		0	
sango	1	2	2		0		0		0		0	
sangsangpet	1	3	3	1	6.98E-05		0		0		0	
santo	1	2	2		0		0		0		0	
sapsaparna	1	4	4	2	0.0001396		0		0		0	
sawen	2	2	4		0		0		0		0	
sekundaria	2	4	8		0		0		0		0	
semestre	2	3	6		0		0		0		0	1
sensus	1	2	2		0		0		0		0	
seradura	3	4	12		0		0		0		0	
seradurana	1	5	5		0		0		0		0	
serbisio	1	3	3		0		0	1	6.98E-05		0	
seremonia	1	4	4		0		0		0		0	1
sertipikado	1	5	5	1	6.98E-05		0		0		0	
setiembre	1	3	3		0		0	1	6.98E-05		0	1
siak	2	1	2		0		0		0		0	
sibibiag	1	3	3		0		0	2	0.0001396		0	
sigarilio	1	4	4		0		0		0		0	
sikbabentayon	1	5	5		0		0	2	0.0001396		0	

simmangbay	1	3	3		0		0	1	6.98E-05		0	
singasingna	6	4	24		0		0		0		0	
siraragsak	1	4	4		0		0		0		0	
sirib	1	2	2		0		0	1	6.98E-05		0	
sisasagana	1	5	5		0		0		0		0	
standard	1	2	2		0		0		0		0	
suatna	1	2	2		0		0		0		0	
sugal	1	2	2		0		0		0		0	
sulina	1	3	3		0		0		0		0	
sumaruno	2	4	8		0		0		0		0	1
sumrek	3	2	6		0		0		0		0	1
sumrekakto	1	4	4		0		0		0		0	1
sumrekan	1	3	3		0		0		0		0	1
sumurot	2	3	6		0		0		0		0	1
ta	12	1	12		0		0		0		0	
tagalog	5	3	15		0		0		0		0	
tangay	1	2	2		0		0		0		0	
tao	2	2	4		0		0		0		0	
tapno	15	2	30	1	0.001047		0		0		0	
tartarigagayantayo	1	8	8		0		0		0		0	
tatangna	1	3	3		0		0		0		0	
tattao	4	3	12		0		0		0		0	
tawen	9	2	18		0		0		0		0	
tawenna	1	3	3		0		0		0		0	
tay-ak	1	2	2		0		0		0		0	
temporario	1	4	4	1	6.98E-05		0		0		0	1
ti	273	1	273		0		0		0		0	
timpuyog	4	3	12	1	0.0002792		0		0		0	1
total	1	2	2		0		0		0		0	
toy	2	1	2		0		0		0		0	
trabahador	3	4	12		0		0	1	0.0002094		0	
transaksion	1	3	3		0		0		0		0	
tulag	1	2	2		0		0		0		0	
tunggal	3	2	6		0		0		0		0	
tungpalentayo	1	5	5	1	6.98E-05		0		0		0	
tured	1	2	2		0		0		0		0	
ubbing	1	2	2		0		0		0	1	6.9798E-05	
umad-adu	2	4	8		0		0		0		0	1
umadu	2	3	6		0		0		0		0	1
umay	4	2	8		0		0		0		0	1
umaykayon	1	4	4		0		0		0		0	1
umno	3	2	6		0		0		0		0	1
umuna	3	3	9		0		0		0		0	1
unay	5	2	10		0		0		0		0	
uneg	5	2	10		0		0		0		0	
unibersidad	7	5	35		0		0	1	0.0004886		0	
uppat	1	2	2		0	1	6.9798E-05		0		0	
uray	1	2	2		0		0		0		0	
urnongda	1	3	3		0		0		0		0	
usuos	4	3	12		0		0		0		0	
wagas	2	2	4		0		0		0		0	
welga	1	2	2		0		0		0		0	

wen	2	1	2		0		0		0		0	
wenno	22	2	44		0		0		0		0	
yaayna	1	3	3		0		0		0		0	
yanna	1	2	2		0		0		0		0	
yasideg	1	3	3		0		0		0		0	
yaw-awisna	1	4	4		0		0		0		0	
yebkasda	1	3	3		0		0	1	6.98E-05		0	
yiimbag	3	3	9		0		0	1	0.0002094		0	1
yimut	1	2	2		0		0		0		0	1
yuulina	1	4	4		0		0		0		0	
total words = 889	2918			309		2		173		3		235
total frequency of occurrence					0.03176		0.00014		0.01794		0.00021	
WORDS WITH		# OF DIFFERENT WORDS										
1-syllable		30										
2-syllable		188										
3-syllable		265										
4-syllable		214										
5-syllable		120										
6-syllable		60										
7-syllable		10										
8-syllable		2										
TOTAL		889										
sum		889	# of different words									
		2918	total # of words									

			LABIODENTAL				DENTAL						
's			*fricatives*				*plosives*						
	m:		f		v		t		t:		d		d:
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0	1	0.0001396	1
0		0		0		0		0		0	2	0.0001396	
0		0		0		0		0		0	1	0.00020939	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0	2	0.0001396	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0	1	6.9798E-05	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0	1	6.9798E-05		0		0	1
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05	
0		0		0		0		0		0	1	0.00027919	
0		0		0		0		0		0	2	0.00055839	
0		0		0		0		0		0	2	0.00041879	
0		0		0		0		0		0	1	0.00027919	
6.9798E-05		0		0		0		0		0	2	0.0001396	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0	1	6.9798E-05		0	2	0.0001396	
0		0		0		0		0		0	2	0.0001396	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0.0001396		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	

0		0		0		0		0		0		0
0		0		0		0			1	6.9798E-05		0
0		0		0		0		0		0		0
0		0		0		0	1	6.9798E-05		0		0
0		0		0		0	2	0.0001396		0	1	6.9798E-05
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
6.9798E-05		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0		0		0		0	3	0.00062818		0		0
0		0		0		0	1	0.0001396		0		0
0		0		0		0	2	0.0001396		0		0
0		0		0		0	2	0.0001396		0		0
6.9798E-05		0		0		0		0		0	1	6.9798E-05
0.00034899		0		0		0		0		0		0
6.9798E-05		0		0		0		0		0		0
6.9798E-05		0		0		0		0		0		0
6.9798E-05		0		0		0		0		0		0
0		0		0		0		0		0		0
6.9798E-05	1	6.9798E-05		0		0		0		0		0
6.9798E-05		0		0		0		0		0		0
0.00041879		0		0		0		0		0		0
6.9798E-05		0		0		0		0		0		0
0	1	6.9798E-05		0		0		0		0		0
0	1	0.0001396		0		0		0		0		0
0	1	6.9798E-05		0		0		0		0	1	6.9798E-05
0	1	6.9798E-05		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0	1	6.9798E-05
6.9798E-05		0		0		0		0		0		0
0		0		0		0		0		0		0
6.9798E-05		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0	1	6.9798E-05		0		0
6.9798E-05		0		0		0	1	6.9798E-05		0		0
6.9798E-05		0		0		0		0		0	1	6.9798E-05
6.9798E-05		0		0		0		0		0	1	6.9798E-05
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0	1	0.0001396		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0

0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	0.00034899		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	1
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0		0		0		0		0		0	1	6.9798E-05	
6.9798E-05		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0		0		0	1	0.00020939	
0		0		0		0		0		0	2	0.0001396	
0		0		0		0		0		0	2	0.00027919	
0.0001396		0		0		0		0		0	1	0.0001396	1
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0	1	0.00481608		0	1	0.00481608	
0		0		0		0	1	0.00048859		0	1	0.00048859	
6.9798E-05		0		0		0		0		0	1	6.9798E-05	

0		0		0		0		0		0	1	0.00027919
0		0		0		0		0		0	1	0.00020939
0		0		0		0		0		0	1	0.0001396
6.9798E-05		0		0		0		0		0	1	6.9798E-05
0		0		0		0		0		0	1	6.9798E-05
6.9798E-05		0		0		0		0		0	1	6.9798E-05
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0		0		0		0		0		0	2	0.00097718
0		0		0		0	1	0.00062818		0	1	0.00062818
0		0		0		0	1	0.00125637		0	1	0.00125637
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0		0		0		0		0		0	1	0.00118657
0		0		0		0		0		0		0
0		0		0		0		0		0	1	0.00020939
6.9798E-05		0		0		0		0		0	1	6.9798E-05
0	1	6.9798E-05		0		0		0		0	1	6.9798E-05
0		0		0		0		0		0	1	6.9798E-05
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0		0		0		0	1	0.0001396		0	1	0.0001396
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0		0		0		0	1	0.0001396		0	1	0.0001396
0		0		0		0		0		0	1	0.0001396
0		0		0		0		0		0	1	6.9798E-05
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0.00020939		0		0		0		0		0	1	0.00020939
0		0		0		0		0		0	1	6.9798E-05
0		0		0		0		0		0	1	0.0001396
0		0		0		0		0		0	1	6.9798E-05
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05
0		0		0		0		0		0		0
0		0		0		0	1	0.0001396		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0	1	6.9798E-05		0		0
0		0		0		0	2	0.0001396		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
6.9798E-05		0		0		0	1	6.9798E-05		0		0
0		0		0		0		0		0	1	0.0001396
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0	1	6.9798E-05		0		0
0		0		0		0		0		0	1	6.9798E-05
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0	1	6.9798E-05		0		0
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6.9798E-05		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0	1	0.0001396		0		0

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0		0		0		0	1	0.0001396		0		0	
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0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0	1	6.9798E-05		0		0	
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0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0	2	0.0001396	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0	1	6.9798E-05		0		0		0		0	1	6.9798E-05	
0	1	0.0001396		0		0		0		0		0	
6.9798E-05	1	6.9798E-05		0		0		0		0		0	
0	1	6.9798E-05		0		0		0		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0.0001396		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0	1	0.00020939		0	1	0.00020939	
0		0		0		0	1	6.9798E-05		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	0.00020939		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	

0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0.0001396		0		0		0		0		0	1	6.9798E-05	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0	1	6.9798E-05		0		0	
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6.9798E-05		0		0		0		0		0		0	
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0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0

0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0	1	6.9798E-05
0		0		0		0		0		0		0
0		0		0		0		0		0	1	6.9798E-05
0.00020939		0		0		0		0		0		0
6.9798E-05		0		0		0	1	6.9798E-05		0		0
0		0		0		0		0		0		0
	19		0		1		312		8		219		14
0.02750		0.00168		0.00000		0.00007		0.08341		0.00077		0.03623	

	nasals				*trill*		*fricatives*						*posta*
	n		nː		r		s		sː		z		ʃ
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0.0001396		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
0		0		0		0		0		0		0	
0.00181476		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0.00020939	1	0.000209395		0		0		0		0		0	
6.9798E-05	1	6.97983E-05		0		0		0		0		0	
6.9798E-05	1	6.97983E-05		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0	1	6.9798E-05		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0		0		0		0	1	0.0001396		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
0	2	0.000139597		0		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0	1	0.0001396		0		0	
0	1	6.97983E-05		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0		0	1	6.9798E-05	1	6.9798E-05		0		0		0	
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0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	2	0.0001396		0		0	

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0		0		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0		0		0	1	0.0001396		0		0		0	
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0		0		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0		0	1	6.9798E-05	1	6.9798E-05		0		0		0	
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0		0		0		0	1	0.00020939		0		0	
0		0		0		0	1	0.0001396		0		0	
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0	1	6.97983E-05		0		0	2	0.0001396		0		0	1
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0	2	0.000139597		0		0		0		0		0	

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0		0		0		0		0		0		0	
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0		0	1	6.9798E-05		0		0		0		0	
0		0	1	6.9798E-05	1	6.9798E-05		0		0		0	
0		0	1	6.9798E-05	1	6.9798E-05		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0		0		0	1	0.0001396		0		0		0	
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0		0		0		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
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0		0		0		0		0		0		0	
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6.9798E-05		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
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0		0		0		0	1	6.9798E-05		0		0	
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0		0		0		0		0		0		0	
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0	1	6.97983E-05		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
0.0001396		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	

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0		0		0		0		0		0		0	
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0	1	6.97983E-05		0	1	6.9798E-05		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0	1	0.000209395		0	1	0.00020939		0		0		0	1
0		0		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
0		0		0		0		0		0		0	
0	2	0.000139597		0		0		0		0		0	1
0	1	0.000139597		0		0		0		0		0	
0		0		0		0		0		0		0	
0	1	6.97983E-05		0		0	1	6.9798E-05		0		0	
0	1	6.97983E-05		0		0	2	0.0001396		0		0	
0	3	0.000209395		0		0		0		0		0	
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0		0		0		0		0		0		0	
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0		0		0	1	6.9798E-05		0		0		0	
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0	2	0.000139597		0		0	1	6.9798E-05		0		0	
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0	3	0.000209395	1	6.9798E-05		0	1	6.9798E-05		0		0	
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0	2	0.00041879		0		0		0		0		0	
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0	2	0.000139597		0		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
6.9798E-05	2	0.000139597		0		0		0		0		0	
0	2	0.000139597		0		0		0		0		0	
0	2	0.000139597	1	6.9798E-05		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
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0	2	0.000139597		0		0		0		0		0	
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0	2	0.000139597		0		0	1	6.9798E-05		0		0	

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0	1	6.97983E-05		0		0		0		0		0	
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0		0		0		0		0		0		0	
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0	1	6.97983E-05		0		0	1	6.9798E-05		0		0	
0	1	0.000139597		0	1	0.0001396	1	0.0001396		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.9798E-05		0		0		0		0		0		0	
0	1	0.000348991		0		0		0		0		0	
0	1	0.000139597		0		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
0		0		0	2	0.00041879		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0	1	6.97983E-05		0	2	0.0001396		0		0		0	

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0		0		0	1	6.9798E-05	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	1
0		0		0		0	1	6.9798E-05		0		0	
0		0		0	1	6.9798E-05	1	6.9798E-05		0		0	
0	2	0.000139597		0		0	1	6.9798E-05		0		0	

0		0		0		0	1	6.9798E-05		0		0	
0	1	0.00041879		0		0	2	0.00083758		0		0	
0		0		0	2	0.0001396	2	0.0001396		0		0	
0		0		0	1	6.9798E-05	1	6.9798E-05		0		0	
0	1	6.97983E-05		0		0	3	0.00020939		0		0	
0	1	6.97983E-05		0	1	6.9798E-05	1	6.9798E-05		0		0	
0	1	6.97983E-05		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0	1	6.97983E-05		0		0	1	6.9798E-05		0		0	
0	1	0.000139597		0	1	0.0001396	1	0.0001396		0		0	
0		0		0	1	0.00020939	1	0.00020939		0		0	
0		0		0	1	6.9798E-05	1	6.9798E-05		0		0	
0	1	6.97983E-05		0	1	6.9798E-05	1	6.9798E-05		0		0	
0		0		0	1	0.0001396	1	0.0001396		0		0	
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0		0		0		0		0		0		0	
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0		0		0	2	0.0001396		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
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0	2	0.000139597		0	1	6.9798E-05	1	6.9798E-05		0		0	1
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0	1	6.97983E-05		0		0		0		0		0	
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0		0		0		0		0		0		0	
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0	1	6.97983E-05		0		0		0		0		0	
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0	1	6.97983E-05		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0	1	6.97983E-05		0		0		0		0		0	
	604		75		212		264		2		0		18
0.00307		0.07238		0.00796		0.02359		0.03616		0.00014		0.00000	

					PALATAL				VELAR			
ılveolar	*lateral approximate*				*approximate*				*plosive*			
	l		lː		j		jː		k		kː	g
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0	1	0.00020939		0		0		0		0		0	
0	1	6.9798E-05		0		0		0		0		0	
0	1	6.9798E-05		0		0		0		0		0	
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0	1	6.9798E-05		0		0		0		0		0	1
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0		0		0		0		0		0		0	1
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0		0		0	1	6.9798E-05		0		0		0	
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0		0		0	1	6.9798E-05		0		0		0	1
6.97983E-05		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
6.97983E-05	1	6.9798E-05		0		0		0	1	6.9798E-05		0	
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0		0		0	1	6.9798E-05		0		0		0	1
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0	1	6.9798E-05		0		0		0		0		0
0		0		0		0		0		0		0
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0	1	0.0001396		0	1	0.0001396		0		0		0
0		0		0		0		0		0		0
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0	1	6.9798E-05		0		0		0		0		0	1
0		0		0		0		0		0		0	2
0		0		0		0		0		0		0
0		0		0		0		0	1	6.9798E-05		0
0		0		0		0		0		0		0
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0		0		0		0		0	1	6.9798E-05		0
0		0		0		0		0		0		0
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0		0		0		0		0		0		0
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0		0		0		0		0		0		0	1

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0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	2
6.97983E-05		0		0		0		0		0		0	1
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0		0		0		0		0		0		0
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0		0		0		0		0		0		0	1
6.97983E-05	1	6.9798E-05		0		0		0		0		0	1
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0	1	0.00314092		0		0		0	1	0.00314092		0	
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0		0		0		0		0		0		0	
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6.97983E-05	1	6.9798E-05		0		0		0		0		0	
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0	1	6.9798E-05		0		0		0		0		0	1
0	1	0.00020939		0		0		0		0		0	1
0	1	6.9798E-05		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0	1	6.9798E-05		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0	1
0		0		0	1	0.00048859		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0	1
0	1	6.9798E-05		0		0		0		0		0	1

0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	
0		0		0	1	6.9798E-05		0		0		0	1
0		0		0	1	6.9798E-05		0		0		0	
0		0		0	1	6.9798E-05		0	1	6.9798E-05		0	
0		0		0	1	0.00020939		0		0		0	1
0		0		0	1	6.9798E-05		0		0		0	
0	1	6.9798E-05		0	1	6.9798E-05		0		0		0	
	208		4		60		0		315		7		274
0.00168		0.02555		0.00028		0.00635		0.00000		0.04886		0.00077	

							LABIO-VELAR		GLOTTAL				VOW
			nasal				*approximate*		*plosive*		*fricative*		
	gː		ŋ		ŋː		w		ʔ		h		i
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0	1	0.0001396		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0	1	0.00020939		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0.000209		0		0		0		0	1	0.00020939		0	
0.000279		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0.00014		0		0		0		0		0		0	
0.00014		0		0		0		0		0		0	
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0.00014		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0.00014		0		0		0		0		0		0	1
0.000558		0	1	0.00027919		0		0		0		0	1
0.000558		0		0		0		0	1	0.00027919		0	
0.00014		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0	1	6.9798E-05		0	
0.00014		0		0		0		0		0		0	
6.98E-05		0	1	6.9798E-05		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0	1	6.9798E-05		0	
0.00014		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0	1	6.9798E-05		0	

6.98E-05		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	2
6.98E-05		0	1	6.9798E-05		0		0		0		0	1
6.98E-05		0	1	6.9798E-05		0		0	1	6.9798E-05		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0	1	6.9798E-05		0	1
6.98E-05		0		0		0		0		0		0	
0.000209		0		0		0		0		0		0	
0.00014		0		0		0		0		0	1	0.0001396	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	2
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0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	1
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	1
0.00014		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	

0		0		0		0		0		0		0	
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0		0		0		0		0	1	0.0001396		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	
0		0	1	0.0001396		0		0		0		0	
0.00014		0		0		0		0		0		0	
0		0		0		0		0	1	6.9798E-05		0	2
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
6.98E-05		0	1	6.9798E-05		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
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0.000349		0		0		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
0		0		0		0		0		0		0	2
0		0		0		0		0		0		0	1
0.00014		0		0		0		0		0		0	2
0		0		0		0		0	1	6.9798E-05		0	2
0		0	1	0.00020939		0		0		0		0	1
0		0		0		0		0		0		0	2
6.98E-05		0		0		0		0		0		0	1
0.00014		0		0		0		0		0		0	3
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
6.98E-05		0	1	6.9798E-05		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0.004816		0		0		0		0		0		0	2
0.000489		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	

0.000279		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
6.98E-05		0	1	6.9798E-05		0		0		0		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
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0		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	0.0001396		0		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0.00014		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0.00014		0		0		0	1	0.0001396		0		0	
0.000838		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	
6.98E-05		0	1	6.9798E-05		0		0		0		0	1
6.98E-05		0		0		0		0	1	6.9798E-05		0	1
0.000279		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	1
0.00014		0		0		0		0		0		0	
0.00014		0	1	0.0001396		0		0		0		0	
0		0		0		0		0		0	1	6.98E-05	
0		0	1	6.9798E-05		0	1	6.9798E-05		0	1	6.98E-05	1
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0		0		0		0	1	6.9798E-05		0	1	6.98E-05	
0		0		0		0		0		0		0	1
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6.98E-05		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	1
0		0	1	6.9798E-05		0		0		0		0	1
0		0		0		0		0		0		0	1

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0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	2
6.98E-05		0		0		0		0		0		0	1
6.98E-05		0	1	6.9798E-05		0		0		0		0	1
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0		0		0		0		0		0		0	2
6.98E-05		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	1
0		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	2
6.98E-05		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	1
6.98E-05		0		0		0		0		0		0	1
0		0		0		0		0		0		0	2
0.000209		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	2
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0		0	2	0.0001396		0		0		0		0	3
0		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	2
0		0		0		0		0		0		0	1
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0		0		0		0		0		0		0	2
0		0		0		0	1	6.9798E-05		0		0	1
0		0		0		0	1	6.9798E-05		0		0	1

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0		0		0		0		0		0		1
0		0		0		0		0		0		1
6.98E-05		0		0		0		0		0		2
0		0		0		0		0		0		1
0		0		0		0		0		0		1
0		0		0		0		0	1	6.9798E-05		1
0		0		0		0		0		0		1
0		0	1	0.0001396		0		0	1	0.0001396		1
0		0		0		0		0		0		1
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0		0		0		0		0		0		2
0		0		0		0		0		0		1
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0		0		0		0		0	1	0.0001396		0
0		0	1	6.9798E-05		0		0		0		0
0		0		0		0		0	1	6.9798E-05		0
0		0		0		0		0		0		0
0		0		0		0		0		0		0
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0		0		0		0		0		0		0
0.002373		0		0		0		0		0		2
0.000209		0		0		0		0		0		1
0		0		0		0	1	0.0001396		0		0
0		0		0		0		0		0		0
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6.98E-05		0		0		0		0		0		0
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0		0		0		0		0	1	6.9798E-05		1
6.98E-05		0		0		0		0		0		1
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6.98E-05		0		0		0		0		0		0	
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6.98E-05		0		0		0		0	1	6.9798E-05		0	2
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6.98E-05		0		0		0		0		0		0	1
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6.98E-05		0	1	6.9798E-05		0		0		0		0	
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6.98E-05		0		0		0		0		0		0	
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6.98E-05		0	1	6.9798E-05		0		0		0		0	1
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0		0	1	6.9798E-05		0		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	2
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
6.98E-05		0		0		0		0		0		0	
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0		0		0		0		0		0		0	2
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0	2	0.0001396		0		0	1	6.9798E-05		0	
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0		0		0		0		0	1	6.9798E-05		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0	1	6.9798E-05		0		0	1	6.9798E-05		0	
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0		0	1	0.0001396		0		0	1	0.0001396		0	1
0		0		0		0		0		0		0	
0		0		0		0		0		0		0	
0.00014		0		0		0		0		0		0	
0		0		0		0		0		0		0	1
0		0		0		0		0		0		0	
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0		0	1	0.0001396		0		0		0		0	1

0		0	1	0.00034899		0		0		0		0	
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0		0		0		0		0		0		0	
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6.98E-05		0	1	6.9798E-05		0		0		0		0	
0.00014		0		0		0		0		0		0	
6.98E-05		0	1	6.9798E-05		0		0		0		0	
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6.98E-05		0		0		0		0		0		0	1
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6.98E-05		0		0		0		0		0		0	
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0.000279		0		0		0		0		0		0	1
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6.98E-05		0		0		0		0	1	6.9798E-05		0	
6.98E-05		0		0		0		0		0		0	1
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6.98E-05		0	3	0.00020939		0		0		0		0	
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0		0		0		0		0		0		0	
0.00014		0		0		0		0		0		0	2
6.98E-05		0		0		0		0		0		0	
6.98E-05		0		0		0		0		0		0	

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0.000209		0		0		0		0		0		0	1
0.00014		0		0		0		0		0		0	
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6.98E-05		0	1	6.9798E-05		0		0		0		0	1
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6.98E-05		0	1	6.9798E-05		0		0		0		0	2
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6.98E-05		0	1	6.9798E-05		0		0		0		0	2
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0		0	1	6.9798E-05		0		0		0		0	
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0.00014		0	1	0.0001396		0		0		0		0	1
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0		0		0		0		0	1	6.9798E-05		0
0		0		0		0		0	1	6.9798E-05		0
0		0		0		0		0		0		0	1
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0		0		0		0		0		0		0
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6.98E-05		0		0		0		0		0		0	3
0.00014		0		0		0		0		0		0	1
0		0		0		0		0	1	6.9798E-05		0
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0		0		0		0		0		0		0	2
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6.98E-05		0		0		0		0		0		0	1
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6.98E-05		0		0		0		0		0		0	2
6.98E-05		0		0		0		0		0		0	2
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6.98E-05		0		0		0		0		0		0	
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0.00014		0		0		0	1	0.0001396		0		0	
6.98E-05		0		0		0	1	6.9798E-05		0		0	

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6.98E-05		0		0		0		0		0		0	1
0		0		0		0		0	1	6.9798E-05		0	1
0		0		0		0		0		0		0	
0.000209		0		0		0		0	1	0.00020939		0	2
0		0		0		0		0		0		0	1
0		0		0		0		0	1	6.9798E-05		0	1
	4		162		3		38		187		11		439
0.03525		0.00028		0.02464		0.00028		0.00614		0.02087		0.00265	

VELS									DIPHTHONGS				
	ɛ		u		o		ɑ		ay		iw		uy
0		0		0		0	1	0.02010191		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0	1	6.9798E-05	1	6.98E-05	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0		0		0	3	0.00041879		0		0	
0		0		0	1	6.98E-05	2	0.0001396		0		0	
0		0		0		0	2	0.00041879		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	2	0.00362951		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	3	0.00062818		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
6.9798E-05	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0	1	0.00027919		0	1	0.00027919		0		0	
0		0	1	0.00027919		0	2	0.00055839		0		0	
0		0		0		0	4	0.00083758		0		0	
0		0	0	0		0	3	0.00083758		0		0	
0		0	2	0.0001396		0	3	0.00020939		0		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0		0		0	4	0.00027919		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0		0	2	0.0001396		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
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0		0	2	0.00027919		0	1	0.0001396		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05	3	0.00020939		0	
0	3	0.00020939		0		0	1	6.9798E-05		0		0	
6.9798E-05	2	0.0001396		0		0	1	6.9798E-05		0		0	
0.00027919		0		0		0	2	0.00055839		0		0	
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0		0		0		0	4	0.00055839		0		0	
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0		0		0	1	0.0001396	2	0.00027919	1	0.0001396		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	4	0.00027919		0		0	1
0		0	1	6.9798E-05		0	2	0.0001396	1	6.9798E-05		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0		0		0	3	0.00041879		0		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0		0	1	6.98E-05	3	0.00020939		0		0	

6.9798E-05	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0.0001396		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0	
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0		0	2	0.0001396		0	1	6.9798E-05		0		0	
0		0	2	0.0001396	1	6.98E-05	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0	1	0.00034899		0		0	1	0.00034899		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
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0	1	6.9798E-05		0		0	2	0.0001396		0		0	
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0		0		0	1	6.98E-05	2	0.0001396		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0.00041879		0		0		0	1	0.00041879		0		0	
0.0001396	1	6.9798E-05		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	2	0.0001396		0		0	
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0		0		0		0	3	0.00020939		0		0	
0		0		0		0	1	0.0001396	1	0.0001396		0	
6.9798E-05		0		0	1	6.98E-05	3	0.00020939		0		0	
0		0		0	1	0.0004188	1	0.00041879		0		0	
0.00027919		0		0	1	0.0001396	2	0.00027919		0		0	
0		0	1	6.9798E-05	1	6.98E-05	3	0.00020939		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05	1	6.9798E-05		0		0	2	0.0001396		0		0	
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0		0		0	5	0.00034899		0		0	
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0.0001396		0	1	0.0001396		0	3	0.00041879		0		0	
0.0001396		0		0	1	0.0001396	1	0.0001396		0		0	
0		0		0	2	0.0001396	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	1	0.00062818		0		0	
0		0		0		0	2	0.0001396		0		0	

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0		0		0		0	1	0.0001396	1	0.0001396		0	
0		0		0		0	2	0.00027919	1	0.0001396		0	
0		0		0		0	2	0.0001396		0		0	
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0.0001396		0		0		0	2	0.00027919		0		0	
0		0		0		0	1	0.0001396	1	0.0001396		0	
0.00062818		0		0		0	2	0.00125637		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0	1	0.0001396	1	0.0001396		0		0	
0		0		0		0	2	0.00027919		0		0	
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0		0		0		0	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
0		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0	1	0.0001396	1	0.0001396		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
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6.9798E-05		0		0	1	6.98E-05		0		0		0	
0.0001396	1	6.9798E-05		0	1	6.98E-05		0	1	6.9798E-05		0	
0.0001396		0		0		0		0		0		0	
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0.0001396		0		0		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0.00020939		0		0		0		0		0		0	
6.9798E-05		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
6.9798E-05	1	6.9798E-05		0	1	6.98E-05		0		0		0	
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6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0	2	0.0001396		0	1	6.9798E-05		0		0	
0	1	6.9798E-05	1	6.9798E-05		0		0		0		0	
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0	2	0.00027919	1	0.0001396		0		0		0		0	
0		0		0		0	1	0.00020939		0		0	
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0.00963216		0		0		0	1	0.00481608		0		0	
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0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	

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0		0		0	1	0.0002094	1	0.00020939	1	0.00020939		0	
0	1	0.0001396		0		0	1	0.0001396		0		0	
0		0		0	1	6.98E-05	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
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0		0		0	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	
0.00048859		0		0		0		0	1	0.00048859		0	
0		0		0		0	1	0.00062818	1	0.00062818		0	
0		0		0		0		0	1	0.00125637		0	
0	2	0.0001396		0	1	6.98E-05		0	1	6.9798E-05		0	
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0		0		0		0		0	1	0.00027919		0	
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6.9798E-05	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
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6.9798E-05		0		0	1	6.98E-05		0		0		0	
0.0001396		0		0		0	1	0.0001396		0		0	
6.9798E-05		0		0		0		0	1	6.9798E-05		0	
0.0001396		0		0		0		0		0		0	
0.0001396		0		0	1	0.0001396		0		0		0	
6.9798E-05		0		0	1	6.98E-05		0		0		0	
0		0		0	2	0.0001396		0		0		0	
0		0		0		0	2	0.00041879		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0		0	1	0.0001396	1	0.0001396	1	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0		0		0		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	2	0.00027919		0		0	
0		0	1	0.00083758		0	1	0.00083758		0		0	
6.9798E-05		0		0	1	6.98E-05	2	0.0001396		0		0	
0	1	6.9798E-05		0	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05		0		0	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0	1	0.00027919	1	0.00027919	1	0.0002792		0		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
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0		0	1	0.0001396	1	0.0001396		0		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05	1	6.9798E-05		0		0		0		0		0	
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0	1	0.00125637	1	0.00125637		0		0		0		0	
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6.9798E-05		0		0		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0.0001396		0	2	0.00027919		0		0		0		0	

6.9798E-05		0	2	0.0001396	1	6.98E-05		0	1	6.9798E-05		0	
0.0001396		0	2	0.00027919	1	0.0001396		0		0		0	
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0.00293153		0		0		0		0		0		0	
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6.9798E-05		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
0.0001396		0		0		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0.0001396		0		0		0	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	1
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0.00111677		0		0	2	0.0022335	1	0.00111677		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
0.00314092		0	1	0.00314092	1	0.0031409		0		0		0	
6.9798E-05	1	6.9798E-05		0		0		0		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.0001396		0		0		0		0	1	0.0001396		0	
0.0001396	1	6.9798E-05		0		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
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0.0001396		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
6.9798E-05	1	6.9798E-05		0		0	4	0.00027919		0		0	
0.0001396		0		0	1	0.0001396	3	0.00041879		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.0001396		0		0		0	1	6.9798E-05		0		0	
0.00020939		0		0		0	3	0.00062818		0		0	
6.9798E-05		0		0	1	6.98E-05	2	0.0001396		0		0	
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6.9798E-05	2	0.0001396		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0.00020939		0		0		0	2	0.0001396		0		0	
0.0001396		0	1	0.0001396		0	2	0.00027919		0		0	
6.9798E-05		0		0	1	6.98E-05		0	1	6.9798E-05		0	
0.0001396	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0.00020939		0		0	1	0.0002094		0		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	1
6.9798E-05		0		0		0	2	0.0001396		0		0	
0.0001396	1	6.9798E-05		0		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	

6.9798E-05		0		0		0	3	0.00020939		0		0	1
6.9798E-05		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0		0		0	3	0.00020939	1	6.9798E-05		0	
0.0001396		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	2	0.0001396	1	6.9798E-05		0	
6.9798E-05	3	0.00020939		0		0	1	6.9798E-05		0		0	
0.0001396		0		0		0	2	0.00027919	1	0.0001396		0	
0.00034899		0	1	0.00034899		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0.0001396		0	1	0.0001396		0	2	0.00027919		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0.0001396		0		0		0		0	1	0.0001396		0	
6.9798E-05	1	6.9798E-05		0		0		0		0		0	
0.03629511		0		0		0		0		0		0	
0.00055839		0		0		0		0		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	3	0.00104697		0		0	
0		0		0	1	0.0001396	2	0.00027919		0		0	
0		0		0		0	5	0.00034899		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0		0	1	0.0002094	3	0.00062818		0		0	
0		0		0		0	4	0.00027919	1	6.9798E-05		0	
0		0		0		0	3	0.00041879		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0.00474628		0		0		0	2	0.00474628		0		0	
0.00020939		0		0		0	2	0.00041879		0		0	
0		0		0		0	4	0.00055839		0		0	
0		0		0	1	0.0006282	2	0.00125637	1	0.00062818		0	
0		0		0		0	2	0.0001396		0		0	
0.0001396		0		0		0	1	0.0001396		0		0	
0		0		0		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
0.0001396		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	3	0.00041879		0		0	
6.9798E-05		0	1	6.9798E-05		0	3	0.00020939		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0	
0.0001396		0		0	1	6.98E-05	2	0.0001396		0		0	
0		0		0		0	2	0.0001396	1	6.9798E-05		0	
0		0		0		0	3	0.00062818		0		0	
0		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05		0		0	1	6.98E-05	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0	1	0.00034899		0	3	0.00104697		0		0	
0		0	1	0.0001396		0	4	0.00055839		0		0	

0		0		0		0	2	0.00027919		0		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0	2	0.0001396	4	0.00027919		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.00027919		0		0		0	1	0.00027919		0		0	
0		0		0		0	1	0.00209395		0		0	
0		0		0	1	0.0002094	2	0.00041879		0		0	
0		0		0	1	6.98E-05	2	0.0001396		0		0	
0		0	1	0.0001396		0	3	0.00041879		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	2	0.00027919		0		0	
0		0		0		0	2	0.00083758		0		0	
0	1	6.9798E-05		0	1	6.98E-05	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0	1	0.00020939		0	3	0.00062818		0		0	
0		0		0		0	1	0.00020939	1	0.00020939		0	
0		0		0		0	2	0.00083758	1	0.00041879		0	
0		0		0	1	6.98E-05		0	1	6.9798E-05		0	
0	1	0.0041879		0		0		0		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0	1	0.00062818		0		0	2	0.00125637		0		0	
0	1	0.00230334		0		0		0		0		0	
6.9798E-05	1	6.9798E-05		0		0		0		0		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
6.9798E-05	1	6.9798E-05		0		0	2	0.0001396		0		0	
0.0001396		0		0	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0	2	0.0001396		0	1	6.9798E-05		0		0	
0.00020939		0	1	0.00020939		0	2	0.00041879		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
6.9798E-05	2	0.0001396		0		0		0		0		0	
0.00027919		0		0		0	1	0.0001396		0		0	
0	1	0.00020939		0	2	0.0004188		0		0		0	
0		0		0	1	0.0004188	1	0.00041879		0		0	
0		0		0	1	0.0002094	2	0.00041879		0		0	
0	1	6.9798E-05		0	2	0.0001396		0		0		0	
0	1	0.00020939		0	1	0.0002094		0		0		0	
0.0001396	2	0.0001396		0		0	2	0.0001396		0		0	
6.9798E-05		0		0	1	6.98E-05		0		0		0	
0		0	1	6.9798E-05		0		0		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0	1	6.9798E-05	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
0		0	1	0.00020939		0	1	0.00020939		0		0	
0		0	1	0.0001396		0	2	0.00027919		0		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0	2	0.0001396		0	1	6.9798E-05		0		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0		0	1	0.00055839	1	0.0005584		0		0		0	
0		0		0		0	1	6.9798E-05		0		0	
0	1	0.00118657		0		0	1	0.00118657		0		0	

0	2	0.0001396		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0		0		0		0	3	0.00041879		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0	2	0.00083758		0		0	1	0.00041879		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0	1	6.98E-05		0		0		0	
0.0001396		0		0	1	0.0001396	1	0.0001396		0		0	
6.9798E-05	1	6.9798E-05		0		0		0		0		0	
6.9798E-05		0		0		0		0	2	0.0001396		0	
0		0	1	0.0001396	1	0.0001396		0		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0	1	6.9798E-05	1	6.98E-05		0		0		0	
0		0		0		0	4	0.00027919		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0	1	6.9798E-05		0	4	0.00027919		0		0	
0		0		0		0	4	0.00111677		0		0	
0		0	1	6.9798E-05	1	6.98E-05	2	0.0001396		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.00034899		0		0		0	2	0.00069798		0		0	
6.9798E-05		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
6.9798E-05	2	0.0001396		0		0	3	0.00020939		0		0	
0		0		0		0	3	0.00020939		0		0	
0.00055839		0		0		0	1	0.00027919		0		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0	1	6.98E-05		0	1	6.9798E-05		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0		0		0	5	0.00034899		0		0	
0.0001396		0		0		0	2	0.00027919		0		0	
0		0		0		0	4	0.00055839		0		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	2	0.0001396	1	6.9798E-05		0	
0.0001396		0		0		0	2	0.0001396		0		0	
0.00041879		0		0	2	0.0002792	1	0.0001396		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.00034899		0		0		0	3	0.00104697		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
0.00020939		0		0		0	2	0.00041879		0		0	
6.9798E-05		0	1	6.9798E-05		0	3	0.00020939		0		0	
0.00041879		0		0		0	2	0.00041879		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
6.9798E-05	1	6.9798E-05		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0.00020939		0	1	0.00020939	1	0.0002094	1	0.00020939		0		0	
6.9798E-05		0		0	1	6.98E-05	3	0.00020939		0		0	

0		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
0		0		0		0	3	0.00041879		0		0	
0		0		0		0	4	0.00027919		0		0	
6.9798E-05		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0	1	6.9798E-05	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
0		0		0		0	5	0.00034899		0		0	
0		0		0		0	3	0.00020939		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0		0	1	0.0001396	3	0.00041879		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0	1	0.00020939		0		0	2	0.00041879		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0	1	6.9798E-05	1	6.98E-05	2	0.0001396		0		0	
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0		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
0		0	1	6.9798E-05		0	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0		0	2	0.0001396	1	6.9798E-05	2	0.0001396		0	
6.9798E-05		0		0		0	3	0.00020939	2	0.0001396		0	
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05		0		0	1	6.98E-05	4	0.00027919		0		0	
0.00020939		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0		0	1	0.0001396		0	2	0.00027919		0		0	
6.9798E-05		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
0.00027919		0		0		0	2	0.00055839		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0.0001396		0		0		0	2	0.00027919		0		0	
0		0		0		0	1	0.00062818		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	2	0.00125637		0		0	
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0		0		0		0	3	0.00020939		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	4	0.00027919		0		0	
0	1	6.9798E-05	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
0.0001396		0		0	1	0.0001396	3	0.00041879		0		0	
0.0001396		0		0		0	4	0.00055839		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0	

0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0		0		0	3	0.00020939		0		0	
6.9798E-05	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0		0	4	0.00027919	1	6.9798E-05		0	
0	1	0.0001396		0		0	1	0.0001396		0		0	
0.00034899		0		0	1	0.000349	1	0.00034899		0		0	
0		0	1	0.00020939		0	2	0.00041879		0		0	
0		0	2	0.0001396	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	2	0.0001396		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0		0	1	6.98E-05	4	0.00027919	1	6.9798E-05		0	
0		0	1	6.9798E-05		0	3	0.00020939	1	6.9798E-05		0	
0		0		0	1	6.98E-05	4	0.00027919		0		0	
0		0		0		0	3	0.00020939	1	6.9798E-05		0	
0		0		0		0	3	0.00020939		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0.00020939		0		0		0	1	6.9798E-05		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05	1	6.9798E-05		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0		0	1	6.9798E-05	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
0		0		0		0	2	0.0001396	1	6.9798E-05		0	
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
0	1	6.9798E-05		0		0	1	6.9798E-05	1	6.9798E-05		0	
0		0		0	1	6.98E-05		0	1	6.9798E-05		0	
0		0		0		0	1	0.00146576	1	0.00146576		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0	1	0.00223355		0		0		0		0		0	
6.9798E-05		0		0	1	6.98E-05		0		0		0	
0		0		0		0	4	0.00027919		0		0	
0	1	6.9798E-05		0		0	4	0.00027919		0		0	
0		0		0		0	5	0.00034899		0		0	
0		0		0		0	3	0.00020939		0		0	
0.0001396		0		0		0	2	0.0001396		0		0	
0		0		0	1	0.0002094	4	0.00083758		0		0	
0		0		0		0	3	0.00020939	1	6.9798E-05		0	
0		0		0		0	3	0.00020939	1	6.9798E-05		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0	1	6.98E-05	4	0.00027919		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	2	0.0001396		0		0	
0.00027919		0		0		0	1	0.0001396		0		0	
0.0001396	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	4	0.00027919		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	2	0.00041879		0		0	
0		0	2	0.0001396		0	3	0.00020939		0		0	
0		0	2	0.0001396		0	2	0.0001396		0		0	
0		0		0		0	3	0.00041879		0		0	
0		0		0		0	2	0.0001396	1	6.9798E-05		0	

6.9798E-05	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0		0	5	0.00034899		0		0	
0		0		0		0	2	0.0001396	1	6.9798E-05		0	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0		0		0	3	0.00020939		0	1	6.98E-05	
0		0	1	0.00020939		0	4	0.00083758		0		0	
0		0	1	0.00027919		0	2	0.00055839		0		0	
0		0		0	2	0.0001396	3	0.00020939		0		0	
0		0		0		0	3	0.00041879		0		0	
0		0		0		0	3	0.00020939		0		0	
0	1	6.9798E-05		0		0	2	0.0001396	1	6.9798E-05		0	
0	1	6.9798E-05		0	2	0.0001396		0		0		0	
0.0001396		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
6.9798E-05		0	3	0.00020939		0	2	0.0001396		0		0	
0	1	0.0001396		0		0	2	0.00027919		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0	1	0.0001396		0	2	0.00027919		0		0	
0		0	2	0.0001396		0	1	6.9798E-05		0		0	
0	1	6.9798E-05	2	0.0001396		0	1	6.9798E-05		0		0	
0		0	1	0.00020939	1	0.0002094	1	0.00020939		0		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	2
0.0001396		0		0	1	0.0001396	1	0.0001396	1	0.0001396		0	
6.9798E-05		0		0	1	6.98E-05	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0.0001396	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.00027919		0	1	0.0001396		0	1	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05		0	2	0.0001396		0	2	0.0001396		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0	1	6.9798E-05		0	4	0.00027919		0		0	
0		0		0		0	3	0.00041879		0		0	
6.9798E-05		0	2	0.0001396		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	6	0.00041879		0		0	
0		0		0		0	5	0.00034899		0		0	
0.0001396	1	0.0001396		0		0	2	0.00027919		0		0	
0		0		0		0	5	0.00034899		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0	1	6.9798E-05	1	6.98E-05	2	0.0001396		0		0	
0.00020939		0		0	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
6.9798E-05	2	0.0001396		0		0	1	6.9798E-05		0		0	
0		0	2	0.0001396		0	2	0.0001396		0		0	

6.9798E-05		0		0		0	2	0.0001396		0		0
0		0		0	1	6.98E-05	2	0.0001396		0		0
6.9798E-05		0		0		0	2	0.0001396		0		0
6.9798E-05		0		0		0	2	0.0001396		0		0
6.9798E-05		0		0		0	4	0.00027919		0		0
6.9798E-05		0		0	1	6.98E-05	3	0.00020939		0		0
0	1	6.9798E-05		0		0	3	0.00020939		0		0
0	1	6.9798E-05		0		0	4	0.00027919		0		0
0		0	1	6.9798E-05		0	2	0.0001396	1	6.9798E-05		0
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0		0		0		0	3	0.00020939		0		0
0		0		0	1	6.98E-05	3	0.00020939		0		0
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0
6.9798E-05		0		0		0	3	0.00020939		0		0
0.00027919		0		0		0	2	0.00027919		0		0
6.9798E-05		0		0		0	3	0.00020939		0		0
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0
6.9798E-05		0	1	6.9798E-05		0	2	0.0001396		0		0
0		0	1	6.9798E-05		0	2	0.0001396		0		0
0.0001396		0		0		0	1	6.9798E-05		0		0
0		0		0		0	3	0.00020939	1	6.9798E-05		0
0		0		0		0	4	0.00055839		0		0
0		0		0		0	2	0.0001396		0		0
0		0		0		0	3	0.00020939		0		0
0	1	6.9798E-05		0		0	2	0.0001396		0		0
6.9798E-05		0		0		0	2	0.0001396		0		0
0.0001396		0		0	1	6.98E-05	1	6.9798E-05		0		0
0.0001396		0		0		0	2	0.00027919		0		0
0		0		0	1	6.98E-05	2	0.0001396		0		0
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0
0		0		0		0	3	0.00020939	1	6.9798E-05		0
0		0		0		0	3	0.00020939	1	6.9798E-05		0
0		0		0		0	2	0.0001396		0		0
6.9798E-05	1	6.9798E-05	1	6.9798E-05		0	1	6.9798E-05		0		0
0		0	2	0.00055839		0	1	0.00027919		0		0
0	1	6.9798E-05	2	0.0001396		0	1	6.9798E-05		0		0
0	1	6.9798E-05		0		0	3	0.00020939		0		0
0		0	2	0.0001396		0	4	0.00027919		0		0
0		0		0		0	2	0.0001396	1	6.9798E-05		0
0	2	0.0001396		0		0	1	6.9798E-05		0		0
0.0001396		0	1	0.0001396		0	1	0.0001396		0		0
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0	1	6.9798E-05		0		0		0		0		0
0	1	0.0001396		0	2	0.0002792		0		0		0
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0		0	1	0.00230334		0		0		0		0
0		0	1	0.00041879		0		0	1	0.00041879		0
0		0		0		0	1	0.00684023		0		0
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0
0.0001396		0		0		0	1	0.0001396		0		0

0		0		0	1	0.000349	1	0.00034899		0		0	
0		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0	1	0.0001396		0	1	0.0001396		0		0	
0		0		0	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
0		0		0		0	4	0.00111677		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	4	0.00027919	1	6.9798E-05		0	
0		0		0		0	4	0.00027919	1	6.9798E-05		0	
0		0		0	2	0.0002792	3	0.00041879		0		0	
0		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0		0		0	1	6.98E-05	3	0.00020939	2	0.0001396		0	
0	1	6.9798E-05		0		0	3	0.00020939	1	6.9798E-05		0	
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0		0		0	4	0.00027919		0		0	
0.0001396		0		0		0	2	0.00027919		0		0	
0.0001396		0		0	1	0.0001396	3	0.00041879	1	0.0001396		0	
6.9798E-05	1	6.9798E-05		0		0	2	0.0001396		0		0	
6.9798E-05	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05	1	6.9798E-05		0		0	4	0.00027919		0		0	
0		0		0		0	5	0.00034899		0		0	
0	2	0.0001396		0		0	2	0.0001396	1	6.9798E-05		0	
0		0		0		0	3	0.00020939	2	0.0001396		0	
6.9798E-05		0	1	6.9798E-05		0	3	0.00020939		0		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0	2	0.0001396	1	6.9798E-05	1	6.98E-05	2	0.0001396		0		0	
0		0	1	0.00020939		0	3	0.00062818		0		0	
0		0		0	1	0.0004188	3	0.00125637		0		0	
0		0		0		0	5	0.00034899	1	6.9798E-05		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
6.9798E-05		0	2	0.0001396		0	2	0.0001396		0		0	
0		0	2	0.0001396		0	2	0.0001396		0		0	
0		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
0.0001396		0		0		0		0		0		0	
0.0001396		0		0		0	1	6.9798E-05		0		0	
0.0001396		0		0	1	6.98E-05		0		0		0	
6.9798E-05		0		0		0	4	0.00027919	1	6.9798E-05		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
0	1	6.9798E-05		0		0	4	0.00027919		0		0	
0		0	1	6.9798E-05		0	5	0.00034899		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
0		0		0		0	2	0.00055839	1	0.00027919		0	
6.9798E-05		0		0		0	2	0.0001396		0	1	6.98E-05	
0	2	0.0001396		0		0	2	0.0001396		0		0	
0.0001396		0		0		0	1	6.9798E-05		0		0	
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0		0		0		0	5	0.00034899		0		0	

0	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
0.00020939		0		0		0	4	0.00083758		0		0	
0		0		0	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	1
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0		0		0	3	0.00020939	2	0.0001396		0	
0		0		0		0	5	0.00034899		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0	1	6.98E-05	3	0.00020939		0		0	
0		0		0		0	5	0.00034899		0		0	
0		0		0	1	6.98E-05	3	0.00020939		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05	1	6.9798E-05		0		0	5	0.00034899		0		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
0.0001396	2	0.0001396		0		0	2	0.0001396		0		0	
0.0001396	1	6.9798E-05		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	4	0.00027919	1	6.9798E-05		0	
0.0001396		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
0		0		0		0	5	0.00034899		0		0	
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0		0		0	1	6.98E-05	4	0.00027919	1	6.9798E-05	1	6.98E-05	
0	1	0.0001396		0		0	1	0.0001396		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0.0001396		0		0		0	3	0.00041879		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05	2	0.0001396		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05		0	3	0.00020939		0		0	
0		0		0		0	4	0.00027919		0		0	
0		0		0		0	2	0.0001396		0	2	0.0001396	
0		0	1	6.9798E-05		0	2	0.0001396		0		0	
0	2	0.00027919		0		0	1	0.0001396		0		0	
0		0		0		0	5	0.00034899		0		0	
0		0		0	1	6.98E-05	4	0.00027919		0		0	
0		0		0		0	6	0.00125637		0		0	
0		0		0		0	4	0.00055839		0		0	
0	1	6.9798E-05		0		0	5	0.00034899		0		0	
6.9798E-05	1	6.9798E-05		0		0	4	0.00027919		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	6	0.00041879		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
6.9798E-05		0		0		0	6	0.00041879		0		0	
6.9798E-05	1	6.9798E-05		0		0	4	0.00027919		0		0	
6.9798E-05		0	1	6.9798E-05		0	4	0.00027919		0		0	
0.00027919		0	1	0.00027919	1	0.0002792	3	0.00083758		0		0	
6.9798E-05		0		0		0	3	0.00020939	1	6.9798E-05		0	

0		0	1	0.0001396		0	4	0.00055839		0		0	
0		0	1	6.9798E-05		0	5	0.00034899		0		0	
0		0		0	1	6.98E-05	4	0.00027919	2	0.0001396		0	
6.9798E-05		0		0		0	5	0.00034899		0		0	
0		0		0		0	4	0.00027919	1	6.9798E-05		0	
0	1	6.9798E-05		0		0	3	0.00020939		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
6.9798E-05		0	1	6.9798E-05		0	3	0.00020939		0		0	
0.00020939		0	1	6.9798E-05		0	2	0.0001396		0		0	
6.9798E-05		0		0		0	6	0.00041879		0		0	
0		0		0	1	6.98E-05	2	0.0001396		0		0	
0		0		0		0	3	0.00020939	1	6.9798E-05		0	
6.9798E-05		0	2	0.0001396		0	1	6.9798E-05		0		0	
0		0	1	6.9798E-05		0	3	0.00020939		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0	2	0.0001396		0		0	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	
0	1	0.00020939		0		0	1	0.00020939		0		0	
0	2	0.00027919		0	1	0.0001396	1	0.0001396	1	0.0001396		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0	1	0.0001396		0		0	2	0.00027919		0		0	
0		0		0		0		0	1	0.00118657		0	
0	1	6.9798E-05		0		0		0	1	6.9798E-05		0	
0	1	6.9798E-05		0	1	6.98E-05	1	6.9798E-05		0		0	
0.00020939		0		0	1	6.98E-05		0		0		0	
0.0001396		0		0		0	2	0.0001396		0		0	
0.00020939	1	6.9798E-05		0		0	3	0.00020939		0		0	
6.9798E-05		0		0		0	4	0.00027919	1	6.9798E-05		0	
0.00020939		0		0		0	1	6.9798E-05		0		0	
0.00034899		0		0	1	0.000349		0		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0.0001396		0		0		0	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0	1	6.98E-05		0		0		0	
0.00083758		0	1	0.00041879	1	0.0004188		0		0		0	
0	1	6.9798E-05		0	1	6.98E-05		0		0		0	
0	1	6.9798E-05		0	2	0.0001396	1	6.9798E-05	1	6.9798E-05		0	
0		0	1	6.9798E-05	2	0.0001396		0		0		0	
0	1	6.9798E-05		0	2	0.0001396		0		0		0	
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0	1	0.00069798		0	2	0.001396	1	0.00069798		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05		0		0		0	
0		0	2	0.00027919		0		0		0		0	
0	1	6.9798E-05		0	1	6.98E-05		0		0		0	
0		0	1	0.00034899	1	0.000349		0		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0	2	0.0001396		0		0		0		0		0	
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0	3	0.00062818		0		0	1	0.00020939		0		0	

0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05		0		0		0		0	
0.00041879		0		0		0		0		0		0	
6.9798E-05		0		0	1	6.98E-05		0	1	6.9798E-05		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	
6.9798E-05		0	1	6.9798E-05		0		0		0		0	
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0		0	2	0.0001396		0	1	6.9798E-05		0		0	
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0	1	0.0001396		0		0	2	0.00027919		0		0	
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0		0		0	1	0.000349	2	0.00069798	1	0.00034899		0	
0		0		0	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
0.0001396		0		0		0	2	0.00027919		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05	1	6.98E-05	2	0.0001396	1	6.9798E-05		0	
6.9798E-05		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	3	0.00020939		0		0	
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
0.0001396		0		0		0	1	0.0001396		0		0	
6.9798E-05		0		0		0	2	0.0001396		0		0	
6.9798E-05		0		0	1	6.98E-05	3	0.00020939	1	6.9798E-05		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0		0	1	6.9798E-05	2	0.0001396		0	
0		0	1	0.0001396		0	2	0.00027919		0		0	
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0		0		0		0	3	0.00020939		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0	2	0.00069798		0	3	0.00104697		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0		0		0	1	6.98E-05	1	6.9798E-05		0		0	
0		0		0		0	4	0.00027919		0		0	
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0	1	6.9798E-05	1	6.9798E-05		0		0		0		0	
0	1	0.00020939	1	0.00020939		0	2	0.00041879		0		0	
0	1	6.9798E-05	1	6.9798E-05		0	3	0.00020939		0		0	
6.9798E-05	1	6.9798E-05		0	1	6.98E-05		0		0		0	
0	2	0.0001396		0	1	6.98E-05	1	6.9798E-05		0		0	
0.0001396	1	6.9798E-05		0	1	6.98E-05	1	6.9798E-05		0		0	
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0		0		0		0	1	0.0001396		0		0	
0.0001396		0		0		0	1	6.9798E-05		0		0	
0.0001396		0		0	1	6.98E-05	1	6.9798E-05		0		0	
6.9798E-05	1	6.9798E-05		0	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	

6.9798E-05		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
0.00083758		0		0		0	2	0.00083758		0		0	
6.9798E-05		0		0		0	3	0.00020939		0		0	
0.0001396		0		0		0		0		0		0	
6.9798E-05		0		0		0	4	0.00027919		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0		0		0	2	0.0001396		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
6.9798E-05		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0	2	0.00027919	1	0.0001396	1	0.0001396		0		0	
0	1	0.00020939	1	0.00020939		0		0		0		0	
0	1	6.9798E-05	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0	1	6.9798E-05	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0	3	0.00041879		0		0		0		0	
0		0		0		0	1	0.00083758		0		0	
0		0		0	1	0.000349	2	0.00069798		0		0	
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0		0		0	1	0.0001396	1	0.0001396		0		0	
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6.9798E-05		0		0	1	6.98E-05	4	0.00027919	2	0.0001396		0	
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0		0		0	1	0.0002792	2	0.00055839		0		0	
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0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
0		0		0		0	1	6.9798E-05	1	6.9798E-05		0	
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0		0		0	1	0.0002094	3	0.00062818		0		0	
0		0		0	1	6.98E-05	2	0.0001396		0		0	
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0		0	1	0.00020939		0	1	0.00020939		0		0	
0	1	6.9798E-05	1	6.9798E-05	1	6.98E-05	1	6.9798E-05	1	6.9798E-05		0	
0	1	6.9798E-05	1	6.9798E-05		0		0		0		0	
6.9798E-05		0	1	6.9798E-05		0		0		0		0	
0		0	2	0.00027919		0	2	0.00027919		0		0	
0		0	2	0.00027919		0	1	0.0001396		0		0	
0		0	1	0.00027919		0		0	1	0.00027919		0	
0		0	1	6.9798E-05	1	6.98E-05		0	2	0.0001396		0	
0		0	1	0.00020939	1	0.0002094		0		0		0	
0		0	2	0.00041879		0	1	0.00020939		0		0	
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0	1	0.00034899	1	0.00034899		0		0		0		0	
0.00097718	1	0.00048859	1	0.00048859		0	1	0.00048859		0		0	
0		0	1	6.9798E-05		0	1	6.9798E-05		0		0	
0		0	1	6.9798E-05		0		0	1	6.9798E-05		0	
0		0	1	6.9798E-05	1	6.98E-05	1	6.9798E-05		0		0	
0		0	3	0.00083758		0		0		0		0	
0		0		0		0	2	0.00027919		0		0	
0	1	6.9798E-05		0		0	1	6.9798E-05		0		0	

0	1	0.0001396		0		0		0		0		0	
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0		0		0		0	2	0.0001396	1	6.9798E-05		0	
0		0		0		0	2	0.0001396		0		0	
6.9798E-05	1	6.9798E-05		0		0	1	6.9798E-05		0		0	
6.9798E-05		0		0		0	1	6.9798E-05		0		0	
0	1	6.9798E-05		0		0	2	0.0001396		0		0	
0.00041879		0		0		0	1	0.00020939		0		0	
6.9798E-05		0	1	6.9798E-05		0		0		0		0	
6.9798E-05		0	2	0.0001396		0	1	6.9798E-05		0		0	
	216		263		223		1739		150		5		8
0.12417		0.03413		0.03671		0.03413		0.22356		0.01933		0.00035	

									total	
									phonemes	*total*
	oy		aw		dʒ		tʃ		in word	phonemes
0		0		0		0		0	1	288
0		0		0		0		0	5	5
0		0		0		0		0	7	7
0		0		0		0		0	4	4
0		0		0		0		0	6	12
0		0		0		0		0	6	6
0		0		0		0		0	4	12
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0		0		0		0		0	6	6
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0		0		0		0		0	6	6
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0		0		0		0		0	6	24
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0		0		0		0		0	7	14
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0		0		0		0		0	6	24
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6.98E-05		0		0		0		0	9	9
0		0		0		0		0	8	8
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0		0		0		0		0	7	14
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0		0		0		0		0	7	7
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0		0		0		0		0	9	9
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0		0		0		0		0	4	8
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0		0		0		0		0	5	5
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0		0		0		0		0	5	5
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0		0		0		0		0	7	7
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	1.000000
	1.00000

2 SYLLABLE WORDS FROM SAMPLE				
	frequency of			
	occurance	*number of sy*	*weighted nun*	*TYPE*
abut	1	2	2	VCVC
adal	3	2	6	VCVC
adda	26	2	52	VCVC
addan	1	2	2	VCVC
addang	1	2	2	VCVC
adtoy	1	2	2	VCCV
adu	4	2	8	VCV
agbiag	1	2	2	VCCCVC
akem	5	2	10	VCVC
akmen	1	2	2	VCCVC
ami	1	2	2	VCV
amin	6	2	12	VCVC
ammak	1	2	2	VCVC
ammo	2	2	4	VCV
anep	1	2	2	VCVC
ania	5	2	10	VCCV
anus	1	2	2	VCVC
apay	2	2	4	VCV
apo	6	2	12	VCV
ari	3	2	6	VCV
asi	2	2	4	VCV
awan	9	2	18	VCVC
aya	2	2	4	VV
baba	1	2	2	CVCV
balay	2	2	4	CVCV
banag	1	2	2	CVCVC
banko	2	2	4	CVCCV
bario	1	2	2	CVCCV
baro	2	2	4	CVCV
basol	1	2	2	CVCVC
bassit	1	2	2	CVCVC
basta	1	2	2	CVCCV
baul	1	2	2	CVCVC
bay-am	1	2	2	CVCVC
bayat	2	2	4	CVVC
benneg	1	2	2	CVCVC
biagna	1	2	2	CCVCCV
biddut	1	2	2	CVCVC
biit	1	2	2	CVCVC
bilang	3	2	6	CVCVC
bilin	1	2	2	CVCVC
bista	1	2	2	CVCCV
bravo	1	2	2	CCVCV
bumdeng	1	2	2	CVCCVC
bunggoy	1	2	2	CVCCV
daga	1	2	2	CVCV
dagum	1	2	2	CVCVC
dagus	4	2	8	CVCVC
dakkel	2	2	4	CVCVC

darum	1	2	2	CVCVC
daydi	7	2	14	CVCV
dayta	9	2	18	CVCV
daytoy	18	2	36	CVCV
dimlaw	1	2	2	CVCCV
dina	1	2	2	CVCV
dinto	1	2	2	CVCCV
dita	2	2	4	CVCV
ditay	1	2	2	CVCV
ditoy	2	2	4	CVCV
diyo	2	2	4	CVCV
diyon	1	2	2	CVCVC
doktor	1	2	2	CVCCVC
drama	3	2	6	CCVCV
duri	1	2	2	CVCV
ganuat	2	2	4	CVCCVC
gapu	12	2	24	CVCV
gunglo	2	2	4	CVCCV
hapon	1	2	2	CVCVC
hueteng	1	2	2	CCVCVC
jesus	18	2	36	CVCVC
ida	3	2	6	VCV
idi	21	2	42	VCV
idiay	5	2	10	VCV
idin	1	2	2	VCVC
imbes	1	2	2	VCCVC
immay	2	2	4	VCV
ingles	3	2	6	VCCVC
inruam	1	2	2	VCCCVC
inton	3	2	6	VCCVC
isu	5	2	10	VCV
ita	1	2	2	VCV
itan	1	2	2	VCVC
itay	2	2	4	VCV
itden	1	2	2	VCCVC
iti	260	2	520	VCV
itoy	8	2	16	VCV
kadi	2	2	4	CVCV
kadua	1	2	2	CVCCV
kaniak	2	2	4	CVCCVC
kari	4	2	8	CVCV
kasla	2	2	4	CVCCV
kasta	6	2	12	CVCCV
kayat	3	2	6	CVVC
kayo	1	2	2	CVV
kenka	1	2	2	CVCCV
ketdi	1	2	2	CVCCV
klase	1	2	2	CCVCV
korte	3	2	6	CVCCV
kristo	1	2	2	CCVCCV
kuarta	1	2	2	CCVCCV
kuna	3	2	6	CVCV

kurso	8	2	16	CVCCV
laeng	17	2	34	CVCVC
laing	1	2	2	CVCVC
legal	1	2	2	CVCVC
letra	1	2	2	CVCCV
libro	1	2	2	CVCCV
linteg	1	2	2	CVCCVC
lubong	2	2	4	CVCVC
lugar	1	2	2	CVCVC
lupot	1	2	2	CVCVC
maestro	1	2	2	CVCCCV
manang	9	2	18	CVCVC
manen	1	2	2	CVCVC
mangted	2	2	4	CVCCVC
mapan	1	2	2	CVCVC
mata	1	2	2	CVCV
mayat	1	2	2	CVVC
mayo	1	2	2	CVV
maysa	21	2	42	CVCV
mental	1	2	2	CVCCVC
mismo	1	2	2	CVCCV
nabiag	1	2	2	CVCCVC
napan	1	2	2	CVCVC
nupay	6	2	12	CVCV
ngalay	1	2	2	CVCV
ngamin	2	2	4	CVCVC
ngarud	5	2	10	CVCVC
ngata	1	2	2	CVCV
pablo	2	2	4	CVCCV
painting	1	2	2	CVCCVC
papel	1	2	2	CVCVC
paset	3	2	6	CVCVC
patien	1	2	2	CVCVC
payen	1	2	2	CVVC
pintor	5	2	10	CVCCVC
plake	1	2	2	CCVCV
polis	1	2	2	CVCVC
presio	1	2	2	CCVCV
pudno	2	2	4	CVCCV
puesto	1	2	2	CCVCCV
pundo	5	2	10	CVCCV
rabbi	1	2	2	CVCV
rason	1	2	2	CVCVC
regget	1	2	2	CVCVC
rehion	1	2	2	CVCCVC
ribu	1	2	2	CVCV
ridaw	6	2	12	CVCV
riro	1	2	2	CVCV
ruangan	3	2	6	CCVCVC
rumbeng	2	2	4	CVCCVC
saan	21	2	42	CVCVC
sabon	1	2	2	CVCVC

sadiay	1	2	2	CVCV
sakbay	1	2	2	CVCCV
sakit	2	2	4	CVCVC
sala	1	2	2	CVCV
sanga	1	2	2	CVCV
sango	1	2	2	CVCV
santo	1	2	2	CVCCV
sawen	2	2	4	CVVC
sensus	1	2	2	CVCCVC
sirib	1	2	2	CVCVC
standard	1	2	2	CCVCCVC
suatna	1	2	2	CCVCCV
sugal	1	2	2	CVCVC
sumrek	3	2	6	CVCCVC
tangay	1	2	2	CVCV
tao	2	2	4	CVCV
tapno	15	2	30	CVCCV
tawen	9	2	18	CVVC
tay-ak	1	2	2	CVCVC
total	1	2	2	CVCVC
tulag	1	2	2	CVCVC
tunggal	3	2	6	CVCCVC
tured	1	2	2	CVCVC
ubbing	1	2	2	VCVC
umay	4	2	8	VCV
umno	3	2	6	VCCV
unay	5	2	10	VCV
uneg	5	2	10	VCVC
uppat	1	2	2	VCVC
uray	1	2	2	VCV
wagas	2	2	4	CVCVC
welga	1	2	2	CVCCV
wenno	22	2	44	CVCV
yanna	1	2	2	CVCV
yimut	1	2	2	CVCVC

#	word	rr	rrs	cs	rvs	jrs	vs	fs	rg	td	cb	rd	gd	jt	sa	ra	C	s/w C	UC	% C	% s/w C	% UC
1a	abak (lose)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
2a	abay (side-by-side)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
3a	abbong (cover)	1	1	3	1	1	1	1	1	2	1	2	1	1	1	1	12	2	1	0.80000	0.13	0.07
4a	adat (spicy)	1	1	2	1	1	1	1	1	2	1	2	1	1	1	1	12	3	0	0.80000	0.20	0.00
5a	adi (younger sibling)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
6a	ading (younger sibling)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
7a	adda (to have)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
8a	adu (plenty)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
9a	agdan (stairs)	1	1	3	1	1	1	1	1	2	1	1	1	1	1	1	13	1	1		0.07	0.07
10a	alas (ugly)	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	13	2	0	0.86667	0.13	0.00
11a	alus (secondhand)	1	1	3	1	1	1	1	1	1	1	1	1	2	1	1	13	1	1	0.86667	0.07	0.07
12a	amit (burden)	3	3	3	1	3	3	1	1	3	1	3	2	2	1	2	5	3	7	0.33333	0.20	0.47
13a	anak (child)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
14a	apay (why)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
15a	apo (grandparent)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
16a	baba (go down)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
17a	baboy (pig)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	14	1	0	0.93333	0.07	0.00
18a	bael (to carry)	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	12	3	0	0.80000	0.20	0.00
19a	baeng (sneeze)	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	12	3	0	0.80000	0.20	0.00
20a	bagas (uncooked rice)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
21a	bagi (self)	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	14	1	0	0.93333	0.07	0.00
22a	bagis (intestines)	2	1	3	1	1	1	1	1	2	1	1	2	2	1	1	10	4	1	0.66667	0.27	0.07
23a	bagnos (leader)	1	3	3	1	2	1	1	1	2	1	2	2	2	1	2	7	6	2	0.46667	0.40	0.13
24a	bagkat (to carry)	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	14	1	0	0.93333	0.07	0.00
25a	bain (shame)	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	13	2	0	0.86667	0.13	0.00
26a	bakal (fight)	3	1	2	1	2	1	1	1	2	1	2	1	2	1	2	8	6	1	0.53333	0.40	0.07
27a	baklay (carry on shoulders)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
28a	baknang (rich)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
29a	bakrang (side of body)	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	13	2	0	0.86667	0.13	0.00
30a	bakras (slope/hillside)	1	1	3	1	2	2	1	1	2	1	2	2	2	1	2	7	7	1	0.46667	0.47	0.07
31a	bala (bullets)	1	1	3	1	1	2	1	1	2	1	2	2	2	1	1	9	5	1	0.60000	0.33	0.07
32a	balay (house)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
33a	baliw (change)	1	1	1	1	2	2	1	1	1	1	1	2	2	1	2	10	5	0	0.66667	0.33	0.00
34a	balon (sack lunch)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
35a	balor (price)	1	1	1	1	1	2	1	1	2	1	2	2	2	1	1	10	5	0	0.66667	0.33	0.00
36a	balud (prisoner)	1	1	3	1	1	2	1	1	2	1	1	1	2	1	1	11	3	1	0.73333	0.20	0.07
37a	banio (bathroom)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
38a	bannog (tired)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
39a	bansag (to throw)	1	1	2	1	2	2	1	1	2	1	2	3	3	1	2	7	6	2	0.46667	0.40	0.13
40a	bantak (fish hook)	3	1	3	1	1	2	1	1	2	1	2	2	2	1	2	7	6	2	0.46667	0.40	0.13
41a	bantay (mountain)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
42a	banga (pot)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
43a	banking (unequal)	1	1	3	1	2	2	1	1	1	1	1	1	2	1	1	11	3	1	0.73333	0.20	0.07
44a	basol (fault/sin)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	14	1	0	0.93333	0.07	0.00
45a	bibig (lip)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
46a	bingraw (large fly)	1	1	3	1	1	2	1	1	2	1	1	2	1	1	1	11	3	1	0.73333	0.20	0.07
47a	bilag (dry under the sun)	1	1	2	1	1	2	1	1	2	1	1	2	2	1	1	10	5	0	0.66667	0.33	0.00
48a	bilin (to instruct/command)	2	1	3	1	1	2	1	1	2	1	1	1	2	1	1	10	4	1	0.66667	0.27	0.07
49a	bilnas (rinse)	2	1	3	1	2	2	1	1	2	1	1	2	2	1	2	7	7	1	0.46667	0.47	0.07
50a	birkug (thief)	2	1	3	1	1	2	1	1	2	1	1	2	2	1	1	9	5	1	0.60000	0.33	0.07
51a	bukno (swell)	1	1	3	2	2	2	1	1	2	1	2	2	2	1	2	6	8	1	0.40000	0.53	0.07
52a	bulsek (blind)	1	1	3	1	1	2	1	1	2	1	2	1	1	1	1	11	3	1	0.73333	0.20	0.07
53a	dadang (heat/warm)	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	13	2	0	0.86667	0.13	0.00
54a	dait (sew)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
55a	dagum (needle)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
56a	dagsen (heavy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
57a	dakkel (large)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
58a	dakes (bad)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
59a	dalan (road)	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
60a	dalit (crush)	1	1	2	1	3	2	1	1	2	1	3	3	2	1	3	7	4	4	0.46667	0.27	0.27
61a	dalus (clean)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
62a	dekket (glue)	1	1	3	1	1	2	1	1	2	1	3	2	2	1	2	8	5	2	0.53333	0.33	0.13
63a	denna (stay close)	1	1	1	1	1	2	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
64a	denggen (listen)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
65a	diding (wall)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
66a	dila (tongue)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
67a	dillaw (tease/criticize)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	14	1	0	0.93333	0.07	0.00
68a	dilnak (scald/burn)	1	1	2	1	1	2	1	1	1	1	1	1	2	1	1	12	3	0	0.80000	0.20	0.00
69a	dinkal (to nudge)	3	2	3	1	2	2	1	1	2	1	2	2	2	1	2	5	8	2	0.33333	0.53	0.13
70a	disnog (to punch)	1	1	1	1	1	2	1	1	2	1	2	2	2	1	2	9	6	0	0.60000	0.40	0.00
71a	dungso (crash into)	1	1	3	2	1	2	2	1	2	1	2	2	2	2	2	5	9	1	0.33333	0.60	0.07
72a	dulin (to put away)	1	1	1	1	1	2	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
73a	ellek (laugh)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
74a	esngaw (express oneself)	3	3	3	1	2	2	1	1	1	1	1	1	2	1	2	8	4	3		0.27	0.20
75a	essem (wish/desire)	2	3	3	1	1	2	1	1	2	1	2	2	2	1	2	6	7	2	0.40000	0.47	0.13
76a	gabay (delay)	2	3	2	1	2	2	1	1	2	1	2	2	2	1	2	5	9	1	0.33333	0.60	0.07
77a	gabbi (mumps)	1	3	3	1	2	2	1	1	2	1	2	3	2	1	3	6	5	4	0.40000	0.33	0.27
78a	gadgad (to grate)	1	2	3	2	1	2	1	2	2	2	1	2	2	3	2	4	9	2	0.26667	0.60	0.13
79a	gammat (to grab)	1	1	3	1	1	1	1	1	2	1	1	2	2	1	2	10	4	1	0.66667	0.27	0.07

80a	ganat (hurry)	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	13	2	0	0.86667	0.13	0.00
81a	ganus (unripe)	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
82a	gango (dry)	3	1	3	1	1	2	1	1	1	1	2	1	2	1	2	9	4	2	0.60000	0.27	0.13
83a	gapo (reason)	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	13	2	0	0.86667	0.13	0.00
84a	galip (slice)	1	1	1	1	1	1	1	1	2	1	2	1	2	1	2	11	4	0	0.73333	0.27	0.00
85a	galis (slippery)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
86a	gaget (hardworking)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
87a	garaw (unruly/wild)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
88a	garup (guess)	3	1	3	1	2	1	1	1	1	1	2	1	1	1	2	10	3	2	0.66667	0.20	0.13
89a	gasat (luck/fortune)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
90a	gasang (spicy)	1	1	1	1	1	1	1	1	2	1	2	1	2	1	2	11	4	0	0.73333	0.27	0.00
91a	gasto (spend)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
92a	gatas (milk)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
93a	ibbat (let go)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
94a	ibus (to finish up)	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	13	2	0	0.86667	0.13	0.00
95a	iddep (turn off)	1	1	1	1	2	2	1	1	1	1	1	2	2	1	1	11	4	0	0.73333	0.27	0.00
96a	idi (before/past)	1	1	3	1	1	1	1	1	1	1	1	1	2	1	2	12	2	1	0.80000	0.13	0.07
97a	igges (worm)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
98a	iggem (hold)	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
99a	igid (edge)	1	1	3	1	1	1	1	1	1	1	1	1	2	1	1	13	1	1	0.86667	0.07	0.07
100a	iket (net)	1	1	3	1	1	2	1	1	2	1	2	1	2	1	2	9	5	1	0.60000	0.33	0.07
101a	ili (town)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
102a	ima (hand)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
103a	immay (he/she came)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
104a	kabaw (senile/forgetful)	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	13	2	0	0.86667	0.13	0.00
105a	kabil (fight)	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	13	2	0	0.86667	0.13	0.00
106a	kabsat (sibling)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
107a	kadua (companion)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
108a	kagat (bite)	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	13	2	0	0.86667	0.13	0.00
109a	kagay (cape)	1	2	3	1	2	2	1	1	2	1	2	2	2	1	2	6	8	1	0.40000	0.53	0.07
110a	kidem (close eyes)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	14	1	0	0.93333	0.07	0.00
111a	kigtot (startle)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
112a	kikit (little finger)	1	1	3	1	1	1	1	1	1	1	1	1	2	1	2	12	2	1	0.80000	0.13	0.07
113a	kudkud (scratch)	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	12	3	0	0.80000	0.20	0.00
114a	kudis (to skin/peel)	1	1	2	2	2	2	2	2	2	1	2	2	2	1	2	4	11	0	0.26667	0.73	0.00
115a	kudil (skin)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
116a	kugtar (kick)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
117a	kurtar (cut hair)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
118a	laad (ugly)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
119a	labang (spotted)	1	1	3	1	1	1	1	1	2	1	1	2	2	1	2	10	4	1	0.66667	0.27	0.07
120a	labnaw (thin/wattery)	1	3	3	2	2	2	1	2	2	1	2	2	2	1	3	4	8	3	0.26667	0.53	0.20
121a	lag-an (light/not heavy)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
122a	lagda (strong)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
123a	lagip (memory)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
124a	lagto (jump)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
125a	laing (smart)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
126a	lakay (old man)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
127a	lako (to sell)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
128a	lengnga (sesame seed)	1	2	3	1	2	2	1	1	2	1	1	2	2	1	3	7	6	2	0.46667	0.40	0.13
129a	leppas (finish)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
130a	libag (slam)	1	1	1	1	2	2	1	1	1	1	3	3	2	1	3	9	3	3	0.60000	0.20	0.20
131a	madi (don't like)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
132a	maga (dry)	1	1	2	1	1	1	1	1	1	1	1	2	2	1	2	11	4	0	0.73333	0.27	0.00
133a	magna (to walk)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
134a	maktang (to tire)	1	1	2	1	1	1	1	1	1	1	2	2	2	1	2	10	5	0	0.66667	0.33	0.00
135a	malas (bad luck)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
136a	nagan (name)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
137a	nateng (vegetable)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
138a	ngato (high)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
139a	uban (gray hair)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
140a	ubba (to carry)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	14	1	0	0.93333	0.07	0.00
141a	ubing (child)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
142a	udi (last)	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
143a	ukas (to loosen)	1	1	1	1	2	1	1	1	1	1	2	2	2	1	2	10	5	0	0.66667	0.33	0.00
144a	uray (wait/even though)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
145a	pada (same)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
146a	paddak (footprint)	1	1	1	1	1	1	1	1	1	1	2	2	2	1	3	11	3	1	0.73333	0.20	0.07
147a	padas (to try)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
148a	pader (wall)	1	1	3	1	2	1	1	1	2	1	2	2	2	1	2	8	6	1	0.53333	0.40	0.07
149a	panaw (to leave)	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	13	2	0	0.86667	0.13	0.00
150a	pandag (to weigh down)	1	1	3	1	1	1	1	1	1	1	1	2	2	1	2	11	3	1	0.73333	0.20	0.07
151a	paris (pair/same)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
152a	parit (prohibit)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
153a	pasyar (to go out)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	14	1	0	0.93333	0.07	0.00
154a	payso (true)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
155a	pegket (stick)	1	1	3	1	2	2	1	1	1	1	2	3	2	1	3	8	4	3	0.53333	0.27	0.20
156a	rabaw (shallow)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
157a	raber (thick vegetation)	1	3	3	2	3	2	1	1	2	1	2	2	3	1	3	5	5	5	0.33333	0.33	0.33
158a	ragpat (achievement)	1	2	1	1	2	2	1	1	2	1	2	2	2	1	2	7	8	0	0.46667	0.53	0.00
159a	ragsak (happiness)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00

160a	raman (flavor)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
161a	ramas (to mix)	1	1	1	1	1	1	1	1	2	1	1	1	2	1	3	12	2	1	0.80000	0.13	0.07
162a	riro (mistake)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
163a	saan (no)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
164a	saba (banana)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
165a	sabat (to meet)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
166a	sabong (flower)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
167a	sabon (soap)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
168a	sadut (lazy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
169a	sagad (broom)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
170a	sakit (sick)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
171a	serrek (time of work)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
172a	sibug (to water plants)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
173a	tadem (sharp)	1	1	1	1	2	2	1	1	2	1	2	2	2	1	3	8	6	1	0.53333	0.40	0.07
174a	tagbat (cut)	1	1	1	1	1	1	1	1	2	1	1	2	2	1	2	11	4	0	0.73333	0.27	0.00
175a	takaw (steal)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
176a	takkab (cover/lid)	1	1	1	1	2	1	1	1	2	1	2	2	2	1	3	9	5	1	0.60000	0.33	0.07
177a	talaw (leave)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
178a	tali (rope)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
179a	talged (hope/safety)	1	1	2	1	2	1	1	1	1	1	1	2	1	1	3	11	3	1	0.73333	0.20	0.07
180a	talmeg (push [butons])	1	1	3	1	1	2	1	1	2	1	2	2	1	1	3	9	4	2	0.60000	0.27	0.13
181a	talna (calmness)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
182a	tamdag (look down)	1	1	2	1	2	2	1	1	1	1	2	1	1	1	3	10	4	1	0.66667	0.27	0.07
183a	tamnay (tasteless)	1	1	2	1	1	2	1	1	1	1	1	1	1	1	2	12	3	0	0.80000	0.20	0.00
184a	tengngel (to hold)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
185a	walin (to put aside)	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	12	3	0	0.80000	0.20	0.00
186a	walis (dust broom)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
1b	abut (hole)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
2b	adal (learn)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
3b	agas (medicine)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
4b	agaw (to snatch)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	14	0	1	0.93333	0.00	0.07
5b	agbiag (come to life)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
6b	agong (nose)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
7b	agum (greed/envy)	1	1	3	1	1	1	1	1	1	1	2	2	1	1	1	12	2	1	0.80000	0.13	0.07
8b	akar (move)	1	1	3	1	2	1	1	1	1	1	1	1	1	1	1	13	1	1	0.86667	0.07	0.07
9b	akem (responsibility)	2	1	2	1	2	2	1	1	2	1	2	2	2	1	2	6	9	0	0.40000	0.60	0.00
10b	ala (to take)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
11b	aldaw (daytime)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0		0.00	0.00
12b	ali (stain)	3	2	3	1	2	2	1	1	2	1	1	2	2	1	2	6	7	2	0.40000	0.47	0.13
13b	ames (fright)	3	3	3	2	3	3	2	1	2	2	3	3	3	2	3	1	5	9	0.06667	0.33	0.60
14b	amin (all)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
15b	ammo (to know)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
16b	awan (there is none)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0		0.00	0.00
17b	baaw (cool)	1	1	3	1	1	1	1	1	2	1	1	1	2	1	2	11	3	1	0.73333	0.20	0.07
18b	baddek (footprint)	1	1	3	1	2	2	1	1	2	1	2	2	2	1	2	7	7	1	0.46667	0.47	0.07
19b	bado (clothing)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
20b	baga (to tell)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
21b	baet (between)	1	1	3	1	2	1	1	1	2	1	1	2	2	1	2	9	5	1	0.60000	0.33	0.07
22b	bagay (well-matched)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
23b	bagio (storm)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
24b	baglan (medicine doctor)	3	3	3	3	3	3	3	3	2	3	2	3	3	1	3	1	2	12	0.06667	0.13	0.80
25b	bagking (stab)	1	2	2	1	2	2	1	1	2	1	2	2	2	1	2	6	9	0	0.40000	0.60	0.00
26b	bagtit (crazy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
27b	baka (maybe)	1	1	1	1	2	1	1	1	2	1	1	1	1	1	2	12	3	0	0.80000	0.20	0.00
28b	baket (old woman)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
29b	bangles (spoiled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
30b	banglo (frangrant)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
31b	bangon (rise)	1	1	3	1	2	1	1	1	1	1	1	1	1	1	2	12	2	1	0.80000	0.13	0.07
32b	bangsit (stink)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
33b	bao (rat)	1	1	3	1	2	1	1	1	2	1	2	1	1	1	3	10	3	2	0.66667	0.20	0.13
34b	baro (new)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
35b	bassit (small)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
36b	baut (spank/whip)	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
37b	belleng (throw away)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
38b	besti (display)	3	1	3	1	2	2	1	1	2	1	2	2	2	1	3	6	6	3	0.40000	0.40	0.20
39b	bettak (explode)	1	1	3	1	2	2	1	1	2	1	2	2	2	1	3	7	6	2	0.46667	0.40	0.13
40b	bigat (morning)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
41b	biit (short moment)	1	1	1	1	2	1	1	1	1	1	1	2	1	1	2	12	3	0	0.80000	0.20	0.00
42b	bilang (count)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
43b	bingay (share)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
44b	binting (25 cents)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
45b	bitin (hang)	1	1	2	1	1	1	1	1	2	1	1	2	1	1	2	11	4	0	0.73333	0.27	0.00
46b	bitbit (to carry)	1	1	1	2	1	1	2	3	1	2	1	2	1	1	2	9	5	1	0.60000	0.33	0.07
47b	buksil (to peel)	1	1	3	1	2	2	1	1	2	1	1	2	1	1	2	9	5	1	0.60000	0.33	0.07
48b	buggo (wash)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
49b	bugkaw (shout)	1	1	1	1	1	2	1	1	2	1	1	1	1	1	3	12	2	1	0.80000	0.13	0.07
50b	bukel (seed)	1	1	2	1	1	1	1	1	2	1	2	1	1	1	2	11	4	0	0.73333	0.27	0.00
51b	bukno (swell)	2	1	3	1	2	2	1	1	2	1	2	2	2	1	3	6	7	2	0.40000	0.47	0.13
52b	buksit (stomach)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00

53b	bulan (month)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
54b	burek (boil)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	14	0	1	0.93333	0.00	0.07
55b	daan (old)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
56b	daga (soil)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	14	0	1	0.93333	0.00	0.07
57b	dagdag (to hurry)	1	1	2	1	2	1	1	1	1	1	1	1	1	1	3	12	2	1	0.80000	0.13	0.07
58b	dalget (to press against)	1	1	3	1	2	2	1	1	1	1	1	1	1	1	3	11	2	2	0.73333	0.13	0.13
59b	dalpak (become flat)	2	1	3	1	2	2	1	2	2	2	3	2	3	1	3	4	7	4	0.26667	0.47	0.27
60b	damag (news)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
61b	damo (beginning)	1	1	1	1	1	2	1	1	1	1	1	1	2	1	3	12	2	1	0.80000	0.13	0.07
62b	danon (to arrive at)	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	13	2	0	0.86667	0.13	0.00
63b	danum (water)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
64b	disso (to place down)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
65b	dugol (bump)	1	1	2	1	2	2	1	1	2	1	2	2	2	1	3	7	7	1	0.46667	0.47	0.07
66b	dugsak (scare away)	3	2	3	2	3	2	3	2	3	3	3	3	3	2	3	0	5	10	0.00000	0.33	0.67
67b	dugyot (dirty)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
68b	duklos (to attack)	3	1	3	1	2	2	1	1	1	1	2	2	2	1	3	7	5	3	0.46667	0.33	0.20
70b	duling (cross-eyed)	1	1	2	1	1	1	1	1	1	1	1	1	2	1	3	12	2	1	0.80000	0.13	0.07
71b	durab (to hit)	1	1	2	1	2	2	1	1	2	1	2	2	2	1	2	7	8	0	0.46667	0.53	0.00
72b	durek (earwax)	1	1	2	1	2	2	1	1	1	1	2	2	2	1	3	8	6	1	0.53333	0.40	0.07
73b	dusa (punishment)	1	1	3	1	2	1	1	1	1	1	2	1	2	1	3	10	3	2	0.66667	0.20	0.13
74b	dutdut (fur/hair)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	13	0	2	0.86667	0.00	0.13
75b	ebkas (to say)	1	1	3	1	2	2	1	1	2	1	1	2	2	1	3	8	5	2		0.33	0.13
76b	eppes (empty air)	1	1	3	1	2	2	1	1	2	1	1	1	1	1	3	10	3	2	0.66667	0.20	0.13
77b	emma (kindness)	1	1	3	1	2	2	1	1	2	1	1	2	2	1	3	8	5	2	0.53333	0.33	0.13
78b	essem (wish/desire)	1	1	3	1	2	2	1	1	2	1	1	2	2	1	3	8	5	2	0.53333	0.33	0.13
79b	gabbal (fight)	1	1	3	1	2	2	1	1	1	1	1	2	2	1	3	9	4	2	0.60000	0.27	0.13
80b	gabbo (wrestling)	1	1	3	1	2	2	1	1	1	1	1	1	2	1	3	10	3	2	0.66667	0.20	0.13
81b	gabut (to pull out/up)	1	1	3	1	2	1	1	1	1	1	1	2	2	1	3	10	3	2	0.66667	0.20	0.13
82b	gaddil (itch)	1	1	3	1	2	2	1	2	1	1	1	2	2	1	3	8	5	2	0.53333	0.33	0.13
83b	galut (to tie)	1	1	2	1	2	1	1	1	1	1	1	1	2	1	2	11	4	0	0.73333	0.27	0.00
84b	gaw-at (to reach)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
85b	giddan (simultaneous)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
86b	giddiat (difference)	2	1	3	1	1	1	1	1	1	1	1	1	2	1	2	11	3	1	0.73333	0.20	0.07
87b	gilap (flash/blink)	1	1	2	1	2	1	1	1	1	1	1	1	2	1	3	11	3	1	0.73333	0.20	0.07
88b	gubat (war)	1	1	2	1	2	1	1	1	1	1	1	1	2	1	3	11	3	1	0.73333	0.20	0.07
89b	gugot (gums)	1	1	3	1	1	1	1	1	1	1	1	2	1	1	3	12	1	2	0.80000	0.07	0.13
90b	gulgol (wash hair)	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	13	2	0	0.86667	0.13	0.00
91b	gulpi (do all at once)	1	1	1	1	2	1	1	1	1	1	1	2	2	1	2	11	4	0	0.73333	0.27	0.00
92b	gura (anger)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
93b	gusto (like)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
94b	gutad (to pull)	1	1	3	1	2	1	1	1	1	1	2	2	1	1	3	10	3	2	0.66667	0.20	0.13
95b	ikkat (to remove)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
96b	ikkan (to give)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
97b	ilap (slice)	1	1	3	1	2	2	1	1	1	1	2	2	2	1	3	8	5	2	0.53333	0.33	0.13
98b	ikkis (scream)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	3	13	1	1	0.86667	0.07	0.07
99b	iliw (homesick)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
100b	ilut (massage)	1	1	3	1	2	2	1	1	1	1	2	2	2	1	3	8	5	2	0.53333	0.33	0.13
101b	ipus (tail)	1	1	1	1	1	1	1	1	1	1	2	2	1	1	3	12	2	1	0.80000	0.13	0.07
102b	isem (smile)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
103b	ita (now)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3	13	1	1	0.86667	0.07	0.07
104b	itay (a short while ago)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
105b	kalbit (touch/trigger)	1	1	3	1	2	2	1	1	2	1	1	2	1	1	3	9	4	2	0.60000	0.27	0.13
106b	kalbo (bald)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
107b	kali (to dig out)	1	1	3	1	2	1	1	1	1	1	1	1	1	1	3	12	1	2	0.80000	0.07	0.13
108b	kalman (yesterday)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
109b	kalub (to cover)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
110b	kama (bed)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
111b	keddel (pinch)	1	1	1	1	2	1	1	1	2	1	2	2	1	1	2	10	5	0	0.66667	0.33	0.00
112b	keddeng (decision)	1	1	2	1	2	1	1	1	1	1	1	1	1	1	2	12	3	0	0.80000	0.20	0.00
113b	kelnat (to boil)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
114b	kersang (rough)	1	1	1	1	2	2	1	1	1	1	1	2	2	1	3	10	4	1	0.66667	0.27	0.07
115b	kesset (burn)	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
116b	ketteb (bite)	1	1	1	1	2	1	1	1	1	1	1	1	2	1	3	12	2	1	0.80000	0.13	0.07
117b	kibin (hold hands)	1	1	1	1	2	1	1	1	1	1	1	2	1	1	2	12	3	0	0.80000	0.20	0.00
118b	kidag (shove)	1	1	3	1	2	2	1	1	2	1	2	2	1	1	3	8	5	2	0.53333	0.33	0.13
119b	libas (to escape)	1	1	1	1	2	1	1	1	1	1	2	1	1	1	3	12	2	1	0.80000	0.13	0.07
120b	libro (book)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
121b	ligay (wheel)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
122b	likud (back)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
123b	lima (5)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
124b	linis (clean)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
125b	linong (shade)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
126b	lipat (forgetfulness)	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	13	2	0	0.86667	0.13	0.00
127b	lubbot (hole)	1	1	3	1	2	2	1	2	1	1	2	2	2	1	3	7	6	2	0.46667	0.40	0.13
128b	lubong (world)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
129b	lugan (car/vehicle)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
130b	luto (cook)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
131b	malem (afternoon)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
132b	malmes (to drown)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
133b	manen (once again)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00

134b	multa (penalty/fine)	1	1	3	1	2	2	1	1	1	1	1	1	1	1	3	11	2	2	0.73333	0.13	0.13
135b	mureng (dirty clothes)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
136b	ninong (godfather)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
137b	nipis (cards)	1	1	2	1	2	1	1	1	1	1	1	1	1	1	2	12	3	0	0.80000	0.20	0.00
137b	ngiwat (mouth)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0		0.00	0.00
139b	ules (blanket)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
140b	unay (very much)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3	13	1	1	0.86667	0.07	0.07
141b	uneg (inside)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
142b	unnat (stretch)	1	1	2	1	1	2	1	1	1	1	1	1	1	1	3	12	2	1	0.80000	0.13	0.07
143b	uram (fire)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
144b	perdi (damage)	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
145b	pidut (pick up)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
146b	pigsa (strong)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
147b	pilay (limp)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
148b	pili (choose)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
149b	pindang (beef jerky)	3	1	3	1	2	2	1	2	2	1	1	1	1	1	3	8	4	3	0.53333	0.27	0.20
150b	pugsat (snap in 2)	1	1	3	1	2	1	1	1	2	1	1	2	1	1	2	10	4	1	0.66667	0.27	0.07
151b	pukaw (loss)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
152b	pulbos (powder)	1	1	2	1	2	1	1	1	1	1	1	1	1	1	3	12	2	1	0.80000	0.13	0.07
153b	punas (to wipe)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
154b	pungan (pillow)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
155b	pungtot (anger)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
156b	rang-ay (prosperity)	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	14	1	0	0.93333	0.07	0.00
157b	reppet (to tie)	1	1	1	1	2	1	1	1	2	1	1	1	1	1	2	12	3	0	0.80000	0.20	0.00
158b	rikna (feeling)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
159b	ridaw (door)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
160b	rugit (dirty)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
161b	rugpa (to break down)	1	1	3	2	2	1	1	1	2	1	1	2	2	2	3	7	6	2	0.46667	0.40	0.13
162b	rupa (face)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
163b	sida (food)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	0	0	1.00000	0.00	0.00
164b	siding (mole)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	13	2	0	0.86667	0.13	0.00
165b	sigkay (share)	1	1	1	2	3	2	1	2	2	3	2	2	2	1	3	5	7	3	0.33333	0.47	0.20
166b	siit (fish bone)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	14	0	1	0.93333	0.00	0.07
167b	sindi (to light/catch fire)	1	1	2	1	2	2	1	1	1	1	1	1	2	1	2	10	5	0	0.66667	0.33	0.00
168b	sugat (wound)	1	1	2	1	1	1	1	1	1	1	1	1	2	1	2	12	3	0	0.80000	0.20	0.00
169b	suli (corner)	1	1	2	1	2	1	1	1	1	1	1	1	1	1	3	12	2	1	0.80000	0.13	0.07
170b	supli (change [money[)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	14	0	1	0.93333	0.00	0.07
171b	surok (excess/surplus)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
172b	surot (follow)	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3	13	1	1	0.86667	0.07	0.07
173b	tibnok (add cold water)	1	1	3	1	2	1	1	1	1	1	2	2	2	1	3	9	4	2	0.60000	0.27	0.13
174b	tiempo (weather)	1	1	3	1	2	1	1	1	1	1	1	1	2	1	2	11	3	1	0.73333	0.20	0.07
175b	tienda (store)	1	1	1	1	1	1	1	1	2	1	1	2	2	1	2	11	4	0	0.73333	0.27	0.00
176b	tikap (chip)	1	1	3	1	2	2	1	1	2	1	2	2	2	1	3	7	6	2	0.46667	0.40	0.13
177b	tiliw (catch)	1	1	1	1	1	1	1	1	2	1	1	1	2	1	3	12	2	1	0.80000	0.13	0.07
178b	tilmon (swallow)	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3	13	1	1	0.86667	0.07	0.07
179b	tilpak (slap)	2	1	1	1	2	2	1	1	1	1	2	2	2	1	3	8	6	1	0.53333	0.40	0.07
180b	tinnag (to fall down)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	14	0	1	0.93333	0.00	0.07
181b	tugaw (chair/sit)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
182b	tokar (music)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	14	0	1	0.93333	0.00	0.07
183b	tulag (agreement)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
184b	tulang (bone)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
185b	waras (to distribute)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	14	1	0	0.93333	0.07	0.00
186b	watwat (to exercise)	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	13	1	1	0.86667	0.07	0.07
	common	345	352	212	359	257	286	365	359	281	364	292	273	233	366	132						
	somewhat common	11	9	56	11	107	82	4	10	88	4	72	90	132	4	163						
	uncommon	15	10	103	1	7	3	2	2	2	3	7	8	6	1	76						
	total	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371						
	% rated common	0.93	0.95	0.57	0.97	0.69	0.77	0.98	0.97	0.76	0.98	0.78	0.73	0.63	0.98	0.35						
	% rated s/w common	0.03	0.02	0.15	0.03	0.29	0.22	0.01	0.03	0.24	0.01	0.19	0.24	0.35	0.01	0.44						
	% rated uncommon	0.04	0.03	0.28	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.00	0.20						
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	KEY	eliminated due to syllable structure																				
		100% of surveys rated word common = 79 words							ok-counted manually													
		93% of surveys rated word common = 73 words							ok-counted manually													
		87% of surveys rated word common = 70 words							ok-counted manually													
		80% of surveys rated word common = 40 words							ok-counted manually													
									262 words total rated common (80% and above)													
									this total **does not** include elimimated words (due to syllable structure or duplication [dulin on B list])													

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abak (lose)
abay (side-by-side)
abbong (cover)
abut (hole)
adal (learn)
adat (spicy)
adda (to have)
adi (younger sibling)
ading (younger sibling)
adu (plenty)
agas (medicine)
agaw (to snatch)
agong (nose)
agum (greed/envy)
akar (move)
ala (to take)
alas (ugly)
alus (secondhand)
amin (all)
ammo (to know)
anak (child)
apay (why)
apo (grandparent)
baba (go down)
baboy (pig)
bado (clothing)
bael (to carry)
baeng (sneeze)
baga (to tell)
bagas (uncooked rice)
bagay (well-matched)
bagi (self)
bagio (storm)
bagkat (to carry)
bagtit (crazy)
bain (shame)
baka (maybe)
baket (old woman)
baklay (carry on shoulders)
baknang (rich)
bakrang (side of body)
balay (house)
balon (sack lunch)
banga (pot)
bangles (spoiled)
banglo (frangrant)
bangon (rise)
bangsit (stink)
banio (bathroom)
bannog (tired)
bantay (mountain)
baro (new)

basol (fault/sin)
bassit (small)
baut (spank/whip)
belleng (throw away)
bibig (lip)
bigat (morning)
biit (short moment)
bilang (count)
bingay (share)
binting (25 cents)
buggo (wash)
bugkaw (shout)
buksit (stomach)
bulan (month)
burek (boil)
daan (old)
dadang (heat/warm)
daga (soil)
dagdag (to hurry)
dagsen (heavy)
dagum (needle)
dait (sew)
dakes (bad)
dakkel (large)
dalan (road)
dalus (clean)
damag (news)
damo (beginning)
danon (to arrive at)
danum (water)
denggen (listen)
denna (stay close)
diding (wall)
dila (tongue)
dillaw (tease/criticize)
dilnak (scald/burn)
disso (to place down)
dugyot (dirty)
dulin (to put away)
duling (cross-eyed)
dutdut (fur/hair)
ellek (laugh)
gaget (hardworking)
galis (slippery)
ganat (hurry)
ganus (unripe)
gapo (reason)
garaw (unruly/wild)
gasat (luck/fortune)
gasto (spend)
gatas (milk)
gaw-at (to reach)

giddan (simultaneous)
gugot (gums)
gulgol (wash hair)
gura (anger)
gusto (like)
ibbat (let go)
ibus (to finish up)
idi (before/past)
iggem (hold)
igges (worm)
igid (edge)
ikkan (to give)
ikkat (to remove)
ikkis (scream)
ili (town)
iliw (homesick)
ima (hand)
immay (he/she came)
ipus (tail)
isem (smile)
ita (now)
itay (a short while ago)
kabaw (senile/forgetful)
kabil (fight)
kabsat (sibling)
kadua (companion)
kagat (bite)
kalbo (bald)
kali (to dig out)
kalman (yesterday)
kalub (to cover)
kama (bed)
keddeng (decision)
kelnat (to boil)
kesset (burn)
ketteb (bite)
kibin (hold hands)
kidem (close eyes)
kigtot (startle)
kikit (little finger)
kudil (skin)
kudkud (scratch)
kugtar (kick)
kurtar (cut hair)
laad (ugly)
lag-an (light/not heavy)
lagda (strong)
lagip (memory)
lagto (jump)
laing (smart)
lakay (old man)
lako (to sell)

leppas (finish)
libas (to escape)
libro (book)
ligay (wheel)
likud (back)
lima (5)
linis (clean)
linong (shade)
lipat (forgetfulness)
lubong (world)
lugan (car/vehicle)
luto (cook)
madi (don't like)
magna (to walk)
malas (bad luck)
malem (afternoon)
malmes (to drown)
manen (once again)
mureng (dirty clothes)
nagan (name)
nateng (vegetable)
ngato (high)
ninong (godfather)
nipis (cards)
pada (same)
padas (to try)
panaw (to leave)
paris (pair/same)
parit (prohibit)
pasyar (to go out)
payso (true)
perdi (damage)
pidut (pick up)
pigsa (strong)
pilay (limp)
pili (choose)
pukaw (loss)
pulbos (powder)
punas (to wipe)
pungan (pillow)
pungtot (anger)
rabaw (shallow)
ragsak (happiness)
raman (flavor)
ramas (to mix)
rang-ay (prosperity)
reppet (to tie)
ridaw (door)
rikna (feeling)
riro (mistake)
rugit (dirty)
rupa (face)

saan (no)
saba (banana)
sabat (to meet)
sabon (soap)
sabong (flower)
sadut (lazy)
sagad (broom)
sakit (sick)
serrek (time of work)
sibug (to water plants)
sida (food)
siding (mole)
siit (fish bone)
sugat (wound)
suli (corner)
supli (change [money[)
surok (excess/surplus)
surot (follow)
takaw (steal)
talaw (leave)
tali (rope)
talna (calmness)
tamnay (tasteless)
tengngel (to hold)
tiliw (catch)
tilmon (swallow)
tinnag (to fall down)
tokar (music)
tugaw (chair/sit)
tulag (agreement)
tulang (bone)
uban (gray hair)
ubba (to carry)
ubing (child)
udi (last)
ules (blanket)
unay (very much)
uneg (inside)
unnat (stretch)
uram (fire)
uray (wait/even though)
walin (to put aside)
walis (dust broom)
waras (to distribute)
watwat (to exercise)

ABAK	ABAY	AGAS	ABUT
ADAL	ADAT	AKAR	ADI
ADING	ADU	AMIN	ALA
ALAS	AGUM	APO	BABA
AGONG	ALUS	BAEL	BAENG
ANAK	APAY	BAGAY	BAGI
BAGA	BADO	BAGTIT	BAIN
BAGIO	BAGAS	BAKLAY	BAKNANG
BAKA	BAGKAT	BALON	BANGA
BAKRANG	BAKET	BANGON	BANGSIT
BANGLES	BALAY	BANTAY	BARO
BANIO	BANGLO	BAUT	BILANG
BASOL	BIGAT	BIIT	DAAN
BIBIG	BINTING	BUREK	DAGSEN
BINGAY	BULAN	DAGDAG	DAMO
BUKSIT	DAGA	DAKES	DILNAK
DADANG	DAIT	DAMAG	DULING
DAGUM	DALUS	DENGGEN	GALIS
DALAN	DANUM	DULIN	GURA
DANON	DILA	GAGET	IDI
DIDING	DUGYOT	GAPO	ISEM
DUTDUT	GANUS	GATAS	KABIL
GANAT	GASTO	GULGOL	KALBO
GASAT	GUGOT	IBUS	KAMA
GUSTO	ITAY	IGID	KIKIT
IMA	KADUA	ILI	KURTAR
ITA	KALMAN	IPUS	LAGIP
KABSAT	KELNAT	KAGAT	LAKO
KALI	KIDEM	KALUB	LIGAY
KIBIN	KUDKUD	KIGTOT	LINONG
KUDIL	LAG-AN	KUGTAR	LUTO
LAAD	LAING	LAGDA	MALEM
LAGTO	LIBAS	LAKAY	NAGAN
LIKUD	LIMA	LIBRO	NIPIS
LIPAT	LUBONG	LINIS	PARIS
MADI	MAGNA	LUGAN	PERDI
MALMES	MANEN	MALAS	PILI
NATENG	NGATO	MURENG	PUNGAN
PADA	PADAS	NINONG	RAMAN
PARIT	PIGSA	PAYSO	RUPA
PIDUT	PULBOS	PILAY	SABON
PUNGTOT	RANG-AY	PUNAS	SAKIT
RAMAS	RIRO	RAGSAK	SIDING
RIKNA	SABA	RUGIT	SUPLI
SAAN	SADUT	SABAT	TOKAR
SABONG	SIBUG	SAGAD	UBAN
SIIT	SUGAT	SIDA	ULES
SUROK	SUROT	SULI	URAM
TALI	TALNA	TAMNAY	WARAS
TILIW	TILMON	TULANG	
UNAY	TULAG	UDI	
URAY	UBING	WALIS	
WATWAT	UNEG		

WALIN

list 1		list 2		list 3
ABAK		ABAY		ABUT
ALAS		ADAT		ADING
AGONG		AKAR		AGAS
ANAK		AMIN		ALA
BAGA		ALUS		BAGTIT
BAGIO		APAY		BAIN
BAKA		BADO		BANGON
BAKRANG		BAGAS		BANTAY
BANIO		BAGKAT		BAUT
BUKSIT		BAKET		BUREK
DADANG		BALAY		DAAN
DAGUM		BIIT		DAGDAG
DALAN		BIGAT		DAKES
DANON		BINTING		DAMAG
DUTDUT		DAGA		DENGGEN
GANAT		DAIT		DILNAK
GASAT		DANUM		DULIN
GUSTO		DILA		GAPO
IDI		GANUS		GATAS
IMA		GASTO		GULGOL
ITA		ILI		IBUS
KABSAT		ITAY		IGID
KALI		KADUA		IPUS
KIBIN		KALMAN		KAGAT
KIKIT		KELNAT		KALUB
LAGTO		KIDEM		KAMA
LIKUD		KUDKUD		KUGTAR
LIPAT		LAG-AN		KURTAR
MADI		LAING		LAAD
MALMES		LIMA		LAGIP
MANEN		MAGNA		LIBAS
NAGAN		NGATO		LIBRO
NATENG		NINONG		LINIS
NIPIS		NIPIS		LINONG
PADA		PADAS		MALEM
PARIT		PIGSA		MURENG
PIDUT		RANG-AY		PARIS
PILI		RIRO		PAYSO
PUNGTOT		RUGIT		PILAY
RAMAS		SABA		PUNAS
RIKNA		SADUT		RAGSAK
SAAN		SAKIT		RAMAN
SABONG		SIBUG		SABAT
SIIT		SUROT		SIDA
SUROK		TALNA		SIDING
TALI		TILMON		SUGAT
UNAY		UBING		SULI
URAM		UNEG		TOKAR
URAY		WARAS		TAMNAY
WATWAT		WALIN		UDI

208 survey	frequency of															
words	occurrence			BILABIAL						DENTAL						
		num	*wt n*	*plosives*				*nasals*		*plosives*				*nasals*		*trill*
				p		b		m		t		d		n		r
ABAK	1					1										
ALAS	1															
AGONG	1															
ANAK	1													1		
BAGA	1					1										
BAGIO	1					1										
BAKA	1					1										
BAKRANG	1					1										1
BANIO	1					1								1		
BUKSIT	1					1				1						
DADANG	1											2				
DAGUM	1							1				1				
DALAN	1											1		1		
DANON	1											1		2		
DUTDUT	1									2		2				
GANAT	1									1				1		
GASAT	1									1						
GUSTO	1									1						
IDI	1											1				
IMA	1							1								
ITA	1									1						
KABSAT	1					1				1						
KALI	1															
KIBIN	1					1								1		
KIKIT	1									1						
LAGTO	1									1						
LIKUD	1											1				
LIPAT	1			1						1						
MADI	1							1				1				
MALMES	1							2								
MANEN	1							1						2		
NAGAN	1													2		
NATENG	1									1				1		
NIPIS	1			1										1		
PADA	1			1								1				
PARIT	1			1						1						1
PIDUT	1			1						1		1				
PILI	1			1												
PUNGTOT	1			1						2						
RAMAS	1							1								1
RIKNA	1													1		1
SAAN	1													1		
SABONG	1					1										
SIIT	1									1						
SUROK	1															1
TALI	1									1						
UNAY	1													1		
URAM	1							1								1
URAY	1															1
WATWAT	1									2						
total (**actual** no. of occurrences in list)				7	0.029787	10	0.042553	8	0.034043	20	0.085106	12	0.051064	16	0.068085	7
Expected no. of occurrences in list				7		4.2		6		20		9		17		6
BENCHMARK fr calculations9-04					0.03176		0.01794		0.0275		0.08341		0.03623		0.07238	

difference					0.001973		-0.02461		-0.00654		-0.0017		-0.01483		0.004295	

					PALATAL		VELAR						LABIO-VELAR		GLOTTAL	
	fricatives		*lateral approximate*		*approximate*		*plosive*				*nasal*		*approximate*		*plosive*	
	s		l		j		k		g		ng		w		?	
							1									
	1		1													
									1		1					
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	1						1									
			1				1									
							1									
							2									
			1						1							
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	1						1									
			1													
													2			
0.029787	12	0.051064	9	0.038298	2	0.008511	13	0.055319	9	0.038298	6	0.025532	2	0.008511	2	0.008511
	8		6.004		1		11		8		6		1		5	
0.02359		0.03616		0.02555		0.00635		0.04886		0.03525		0.02464		0.00614		0.02087

-0.0062		-0.0149		-0.01275		-0.00216		-0.00646		-0.00305		-0.00089		-0.00237		0.012359

VOWELS										DIPHTHONGS			total	
													phonemes	
i		ɛ		u		o		ɑ		ay		syllable structure	in word	total %
								2				VCVC	4	
								2				VCVC	4	
						1		1				VCVC	4	
								2				VCVC	4	
								2				CVCV	4	
						1		1				CVCCV	5	
								2				CVCV	4	
								2				CVCCVC	6	
						1		1				CVCCV	5	
1				1								CVCCVC	6	
								2				CVCVC	5	
				1				1				CVCVC	5	
								2				CVCVC	5	
				1				1				CVCVC	5	
				2								CVCCVC	6	
								2				CVCVC	5	
								2				CVCVC	5	
				1		1						CVCCV	5	
2												VCV	3	
1								1				VCV	3	
1								1				VCV	3	
								2				CVCCVC	6	
1								1				CVCV	4	
2												CVCVC	5	
2												CVCVC	5	
						1		1				CVCCV	5	
1						1						CVCVC	5	
1								1				CVCVC	5	
1								1				CVCV	4	
		1						1				CVCCVC	6	
		1						1				CVCVC	5	
								2				CVCVC	5	
		1						1				CVCVC	5	
2												CVCVC	5	
								2				CVCV	4	
1								1				CVCVC	5	
1						1						CVCVC	5	
2												CVCV	4	
				1		1						CVCCVC	6	
								2				CVCV	5	
1								1				CVCCV	5	
								2				CVCVC	5	
						1		1				CVCVC	5	
2												CVCVC	5	
				1		1						CVCVC	5	
1								1				CVCV	4	
				1						1		VCV	3	
				1				1				VCVC	4	
				1						1		VCV	3	
								2				CVCCVC	6	
23	0.097872	3	0.012766	11	0.046809	10	0.042553	51	0.217021	2	0.008511	>>>>>>>>>>>	>>>>>>	1
29		8		9		8		53		5		total phonemes	235	
	0.12417		0.03413		0.03671		0.03413		0.22356		0.01933			

	0.026298		0.021364		-0.0101		-0.00842		0.006539		0.010819		

208 survey	frequency of															
words	occurrence			BILABIAL						DENTAL						
		num	*wt n*	*plosives*				*nasals*		*plosives*				*nasals*		*trill*
				p		b		m		t		d		n		r
ABAY	1					1										
ADAT	1									1		1				
AKAR	1															1
AMIN	1							1						1		
ALUS	1															
APAY	1			1												
BADO	1					1						1				
BAGAS	1					1										
BAGKAT	1					1				1						
BAKET	1					1				1						
BALAY	1					1										
BIIT	1					1				1						
BIGAT	1					1				1						
BINTING	1					1				1				1		
DAGA	1											1				
DAIT	1									1		1				
DANUM	1							1				1		1		
DILA	1											1				
GANUS	1													1		
GASTO	1									1						
ILI	1															
ITAY	1									1						
KADUA	1											1				
KALMAN	1							1						1		
KELNAT	1									1				1		
KIDEM	1							1				1				
KUDKUD	1											2				
LAG-AN	1													1		
LAING	1															
LIMA	1							1								
MAGNA	1							1						1		
NGATO	1									1						
NINONG	1													2		
NIPIS	1			1										1		
PADAS	1			1								1				
PIGSA	1			1												
RANG-AY	1															1
RIRO	1															2
RUGIT	1									1						1
SABA	1					1										
SADUT	1									1		1				
SAKIT	1									1						
SIBUG	1					1										
SUROT	1									1						1
TALNA	1									1				1		
TILMON	1							1		1				1		
UBING	1					1										
UNEG	1													1		
WARAS	1															1
WALIN	1													1		
total (**actual** no. of occurrences in list)				4	0.017021	12	0.051064	7	0.029787	17	0.07234	12	0.051064	15	0.06383	7
Expected no. of occurrences in list				7.5		4.2		6		20		9		17		6
BENCHMARK fr calculations9-04					0.03176		0.01794		0.0275		0.08341		0.03623		0.07238	

difference					0.014739		-0.03312		-0.00229		0.01107		-0.01483		0.00855	

					PALATAL		VELAR						LABIO-VELAR		GLOTTAL	
	fricatives		*lateral approximate*		*approximate*		*plosive*				*nasal*		*approximate*		*plosive*	
	s		l		j		k		g		ng		w		?	
							1									
	1		1													
	1								1							
							1		1							
							1									
			1													
															1	
									1							
											1					
									1							
															1	
			1													
	1								1							
	1								1							
			1													
							1						1			
			1				1									
			1				1									
							1									
							2									
			1						1						1	
			1								1				1	
			1													
									1							
											1					
											1					
	1															
	1															
	1								1							
											1				1	
									1							
	1															
	1															
	1						1									
	1								1							
	1															
			1													
			1													
											1					
									1							
	1												1			
			1										1			
0.029787	13	0.055319	12	0.051064	0	0	10	0.042553	12	0.051064	6	0.025532	3	0.012766	5	0.021277
	8		6		1		11		8.3		6		1		5	
0.02359		0.03616		0.02555		0.00635		0.04886		0.03525		0.02464		0.00614		0.02087

-0.0062		-0.01916		-0.02551		0.00635		0.006307		-0.01581		-0.00089		-0.00663		-0.00041

VOWELS										DIPHTHONGS			total	
													phonemes	
i		ɛ		u		o		ɑ		ay		syllable structure	in word	total %
								1		1		VCV	3	
								2				VCVC	4	
								2				VCVC	4	
1								1				VCVC	4	
				1				1				VCVC	4	
								1		1		VCV	3	
				1				1				CVCV	4	
								2				CVCVC	5	
								2				CVCCVC	6	
		1						1				CVCVC	5	
								1		1		CVCV	4	
2												CVCVC	5	
1								1				CVCVC	5	
2												CVCCVC	6	
								2				CVCV	4	
1								1				CVCVC	5	
				1				1				CVCVC	5	
1								1				CVCV	4	
				1				1				CVCVC	5	
						1		1				CVCCV	5	
2												VCV	3	
1										1		VCV	3	
								2				CVCV	5	
								2				CVCCVC	6	
		1						1				CVCCVC	6	
1		1										CVCVC	5	
				2								CVCCVC	6	
								2				CVCCVC	6	
1								1				CVCVC	5	
1								1				CVCV	4	
								2				CVCCV	5	
						1		1				CVCV	4	
1						1						CVCVC	5	
2												CVCVC	5	
								2				CVCVC	5	
1								1				CVCCV	5	
								1		1		CVCCV	5	
1						1						CVCV	4	
1				1								CVCVC	5	
								2				CVCV	4	
				1				1				CVCVC	5	
1								1				CVCVC	5	
1				1								CVCVC	5	
				1		1						CVCVC	5	
								2				CVCCV	5	
1						1						CVCCVC	6	
1				1								VCVC	4	
		1		1								VCVC	4	
								2				CVCVC	5	
1								1				CVCVC	5	
25	0.106383	4	0.017021	12	0.051064	6	0.025532	48	0.204255	5	0.021277	>>>>>>>>>>	>>>>>>	1
29		8		9		8		53		5		total phonemes	235	
	0.12417		0.03413		0.03671		0.03413		0.22356		0.01933			

	0.017787		0.017109		-0.01435		0.008598		0.019305		-0.00195		

208 survey	frequency of															
words	occurrence			BILABIAL						DENTAL						
		num	*wt n*	*plosives*				*nasals*		*plosives*				*nasals*		*trill*
				p		b		m		t		d		n		r
ABUT	1					1				1						
ADING	1											1				
AGAS	1															
ALA	1															
BAGTIT	1					1				2						
BAIN	1					1								1		
BANGON	1					1								1		
BANTAY	1					1				1				1		
BAUT	1					1				1						
BUREK	1					1										1
DAAN	1											1		1		
DAGDAG	1											2				
DAKES	1											1				
DAMAG	1							1				1				
DENGGEN	1											1		1		
DILNAK	1											1		1		
DULIN	1											1		1		
GAPO	1			1												
GATAS	1									1						
GULGOL	1															
IBUS	1					1										
IGID	1											1				
IPUS	1			1												
KAGAT	1									1						
KALUB	1					1										
KAMA	1							1								
KUGTAR	1									1						1
KURTAR	1									1						2
LAAD	1											1				
LAGIP	1			1												
LIBAS	1					1										
LIBRO	1					1										1
LINIS	1													1		
LINONG	1													1		
MALEM	1							2								
MURENG	1							1								1
PARIS	1			1												1
PAYSO	1			1												
PILAY	1			1												
PUNAS	1			1										1		
RAGSAK	1															1
RAMAN	1							1						1		1
SABAT	1					1				1						
SIDA	1											1				
SIDING	1											1				
SUGAT	1									1						
SULI	1															
TOKAR	1									1						1
TAMNAY	1							1		1				1		
UDI	1											1				
total (**actual** no. of occurrences in list)				7	0.029915	11	0.047009	7	0.029915	12	0.051282	13	0.055556	12	0.051282	10
Expected no. of occurrences in list				7		4		6		20		8		17		6
BENCHMARK fr calculations9-04					0.03176		0.01794		0.0275		0.08341		0.03623		0.07238	
difference					0.001845		-0.02907		-0.00241		0.032128		-0.01933		0.021098	

					PALATAL		VELAR						LABIO-VELAR		GLOTTAL		VOWI
	fricatives		*lateral approximate*		*approximate*		*plosive*				*nasal*		*approximate*		*plosive*		
	s		l		j		k		g		ng		w		?		i
											1						1
	1								1								
			1														
									1								1
															1		1
											1						
															1		
							1										
															1		
									2								
	1						1										
									1								
									1		1						
			1				1										1
			1														1
									1								
	1								1								
			2						2								
	1																1
									1								2
	1																1
							1		1								
			1				1										
							1										
							1		1								
							1										
			1												1		
			1						1								1
	1		1														1
			1														1
	1		1														2
			1								1						1
			1														
											1						
	1																1
	1																
			1														1
	1																
	1						1		1								
	1																
	1																1
	1										1						2
	1								1								
	1		1														1
							1										
																	1
0.042735	16	0.068376	15	0.064103	0	0	10	0.042735	16	0.068376	5	0.021368	0	0	4	0.017094	21
	8		6		1		11		8		6		1		5		29
0.02359		0.03616		0.02555		0.00635		0.04886		0.03525		0.02464		0.00614		0.02087	
-0.01915		-0.03222		-0.03855		0.00635		0.006125		-0.03313		0.003272		0.00614		0.003776	

ELS									DIPHTHONGS			total	
												phonemes	
	ɛ		u		o		ɑ		ay		syllable structure	in word	total %
			1				1				VCVC	4	
							1				VCVC	4	
							2				VCVC	4	
							2				VCV	3	
							1				CVCCVC	6	
							1				CVCVC	5	
			1				1				CVCVC	5	
							1		1		CVCCV	5	
			1				1				CVCVC	5	
	1		1								CVCVC	5	
							2				CVCVC	5	
							2				CVCCVC	6	
	1						1				CVCVC	5	
							2				CVCV	5	
	2										CVCVC	6	
							1				CVCVC	6	
			1								CVCVC	5	
			1				1				CVCV	4	
							2				CVCVC	5	
			2								CVCCVC	6	
			1								VCVC	4	
											VCVC	4	
			1								VCVC	4	
							2				CVCVC	5	
					1		1				CVCVC	5	
							2				CVCV	4	
			1				1				CVCCVC	6	
			1				1				CVCCVC	6	
							2				CVCVC	5	
							1				CVCVC	5	
							1				CVCVC	5	
					1						CVCCV	5	
											CVCVC	5	
					1						CVCVC	5	
	1						1				CVCVC	5	
	1		1								CVCVC	5	
							1				CVCVC	5	
					1				1		CVCV	4	
									1		CVCV	4	
			1				1				CVCVC	5	
							2				CVCCVC	6	
							2				CVCV	5	
							2				CVCVC	5	
							1				CVCV	4	
											CVCVC	5	
			1				1				CVCVC	5	
			1								CVCV	4	
			1				1				CVCVC	5	
							1		1		CVCCV	5	
			1								VCV	3	
0.089744	6	0.025641	17	0.07265	4	0.017094	44	0.188034	4	0.017094	>>>>>>>>>>	>>>>>	1
	8		9		8		52		5		total phonemes	234	
0.12417		0.03413		0.03671		0.03413		0.22356		0.01933			
0.034426		0.008489		-0.03594		0.017036		0.035526		0.002236			