LLL

## TTT

LLL is a writing system that is being developed by Levi Layague Miranda since 2004. It is intended to be used to write Tagalog, but its rule sets can also be implemented to transcribe other major languages of the Philippines.
LLL could make it easier for Tagalog speakers to recognize, learn and appreciate terms from other Philippine languages. It has 777 basic characters and thousands of derivative characters. All of the characters are based on the form and strokes of the Baybayin, an ancient Philippine script. The Baybayin characters and strokes are blocked, reversed and combined to form new characters that represent individual root words. LLL employs a number of methods/rules in blocking or stacking to promote easier character recognition and readability. These methods are based on the Baybayin kudlit system and on the techniques in producing semantic-phonetic Chinese characters.

## Notable Features

- Type of writing system: semantic-phonetic
- Direction of writing: left to right in horizontal lines
- Used to write: Tagalog and other languages of the Philippines


## LLL Levels

Characters and rule sets in LLL are classified into seven (7) levels of understanding, with Level 1 as the most basic and Level 7 as the standard.

- Level 1 (Modified Baybayin; Fundamental Brief Forms and Punctuation)
- Level 2 (Tails; Primary Brief Forms)
- Level 3 (LLL Syllabary; Panlapi Equivalents)
- Level 4 (Heads; Secondary Brief Forms)
- Level 5 (Monosyllabic Roots; Primary Tail-Syllabary Combinations)
- Level 6 (Filipino Names; Secondary Tail-Syllabary Combinations)
- Level 7 (Non-Tagalog Filipino Words; Tertiary Tail-Syllabary Combinations)


## Level 1A: Modified Baybayin

The Baybayin serves as a building block for practically all LLL characters. However the Baybayin is only used to denote LLL character pronunciations are are not used in LLL scripts. This usage is similar to Bopomofo in Chinese. The Baybayin strokes are also modified, i.e. some of the curves are replaced by straight lines, for simplification purposes.

The following are the 17 modified Baybayin characters：

| Syllable | LLL | Baybayin |
| :---: | :---: | :---: |
| a | غ | $\theta$ |
| i | $\bar{M}$ | $\sim$ |
| $u$ | 3 | 3 |
| ba | © | 0 |
| ka | I | 出 |
| da | と | $\Sigma$ |
| ga | 3 | 32 |
| ha | $\sim$ | $\sim$ |
| la | $T$ | S |
| ma | 6 | $\infty$ |
| na | $\uparrow$ | 今 |
| nga | 2 | 20 |
| pa | a | （ |
| sa | 38 | V3 |
| ta | て | $\varphi$ |
| wa | 〕 | 0 |
| уа | $\infty$ | 20 |

For other syllable sounds，＂kudlit＂or marks are used．The rules for using kudlit are as follows：＂i－kudlit＂ （symbol：＇）is placed on top of characters to change the ending vowels to＂ i ＂，or at the right side to change to＂e＂；＂u－kudlit＂（symbol：o）is placed at the bottom of character to change the ending vowels to＂u＂，or at the right side to change to＂o＂；＂pananggal＂kudlit（symbol：v）or cancellation mark is placed at the bottom of characters to cancel the vowel sound（e．g．ba + ＜cancellation mark at the bottom＞＝b）．

The following table illustrates the kudlit rules（NOTE：i and u are exceptions to the rules）：

|  | Ending Vowel |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Starting Consonant | a | i | u | e | － | － |
| － | ह | $\bar{M}$ | 3 | ह゙ | ह。 | （n／a） |
| b | $\omega$ | へ̀ | ¢ | $\omega$ | $0^{\circ}$ | 人 |
| k | I | さ | I | エ， | 工。 | I |
| d | と | と | と | と | と。 | と |
| g | $3)$ | 3） | 3 | 3. | 3. | § |
| h | $\sim$ | へ | ๘ | $\sim$ | $\sim$ 。 | $\checkmark$ |
| 1 | T | ＇ | T | T， | 个。 | T |
| m | 6 | ＇̇ | 6 | 6 | $6^{\circ}$ | 6 |
| n | $\uparrow$ | 个 | T | $\uparrow$ | 个。 | T |
| ng | 2 | 2 | 2 | 2 | 20 | 2 |
| p | a | ら | ঢ， | い | $\sigma^{\circ}$ | $\checkmark$ |
| s | 38 | 穴 | 哈 | 汾 | $35^{\circ}$ | 㰸 |
| t | て | 亡 | て | て， | て。 | ¢ |
| w | 〕 | ঠ | ？ | ひ， | り。 | ソ |
| y | $\infty$ | ¢ | \＄0 | $\infty$－ |  | $\bigcirc$ |

For foreign consonant sounds（ $\mathrm{v}, \mathrm{ch}, \mathrm{r}, \mathrm{j}, \mathrm{f}$ ，sh and th），＂panayuhan＂kudlit（symbol：1）or foreign mark is placed above characters for ba，ka，da，ga，fa，sa and ta，respectively．For＂z＂，character for＂s＂is used．

The kudlit rules are likewise applicable to this set of characters：

|  | Ending Vowel |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|c\|} \hline \text { Starting } \\ \text { Consonant } \end{array}$ | a | i | $u$ | e | － |  |
| v （b） | ৫ | ぶ | 囚 | 心 | 凶。 | ＊ |
| ch（k） | エ | 亡 | T | 凹， | 「。 | I |
| r（d） | と | を | と | と， | と。 | と |
| j （g） | 3） | 3） | \＄3） | 3） | 3）． | 3） |
| $f(p)$ | \％ | 㐫 | 合 | \＆ | 犮。 | $\stackrel{\square}{2}$ |
| sh（s） | \％ | 家 | 880 | s， | s\％ | 会 |
| th（t） | C | 亡 | ¢ | て， | て。 | で |

Level 1B：Fundamental Brief Forms and Punctuation

A brief form in LLL is composed of a single character and is an abbreviation of a word．The seven（7） fundamental brief forms are the following：

| LLL | Origin | Meaning |
| :---: | :---: | :---: |
| ¢ | $\epsilon_{(a)+\text { panayuhan－kudlit inside }}$ | ＂araw＂（day） |
| 0 | $\Delta_{\text {（ba）＋u－kudlit inside }}$ | ＂buwan＂（month） |
| C | $\tau_{\text {（ta）＋pananggal－kudlit inside }}$ | ＂taon＂（year） |
| C | $と_{(\text {（da）}+ \text { i－kudlit inside }}$ | ＂Diyos＂（God） |
| 士 | $I_{(k a)}+i$－kudlit inside | ＂Cristo＂（Christ） |
| $\bar{M}$ | $\bar{M}(\mathrm{i})+\mathrm{i}$－kudlit inside | ＂Iglesia＂（Church） |
| Z | $\zeta(p a)+i$－kudlit inside | ＂Panginoon＂（Lord） |

The first three（3）characters，for araw，buwan and taon，can be used to write dates：

$$
\begin{array}{ll}
\text { 2016を4 } 018 \text { を } & =\text { April18,2016 } \\
\text { 1983を11 } \triangleq 29 \text { を } & =\text { November } 29,1983
\end{array}
$$

The following table presents the punctuation marks used in LLL．They are based on Baybayin and Japanese punctuation marks．All other marks not included in this list remain as they are in English．

| LLL | Equivalent |
| :---: | :---: |
| ｜ | ＜．＞period |
| V | ＜？＞question mark |
| ｜｜ | ＜l＞exclamation point |
|  | ＜，＞comma |
| 11 | ＜：＞colon |
| 中 | ＜；＞semicolon |
| $\Gamma$ | ＜＂＞open quotation |
| ل | ＜＂＞close quotation |
|  | ＜／＞open parenthesis |
| 」 | ＜）＞close parenthesis |

## Level 2A：Tails

Tails are semantic（conceptual）components and are used in secondary brief forms（Level 4B）and are combined with LLL syllables（Level 3A）to form thousands of unique characters（Levels 5B，6B and 7B）． Tails can be classified into＂parent＂or＂daughter＂tails．There are 17 parent tails and they are based on the 17 modified baybayin characters respectively．Parent tails denote general ideas．The daughter tails are combinations of two（2）parent tails，although not all are used．In fact only six（6）daughters per parent tail are assigned．Daughter tails represent specific ideas．There are $17+17 \times 6=119$ tails．

The following are the parent tails：

| No． | Tail | Origin | Tail Name | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 子 | $\varepsilon$ | ＂alam＂or knowledge tail | mirror image of＂a＂ |
| 2 | 4 | $\bar{M}$ | ＂isip＂or mind tail | truncated mirror image of＂i＂ |
| 3 | $\Sigma$ | 3 | ＂ulo＂or head tail | mirror image of＂u＂ |
| 4 | $\bigcirc$ | ט | ＂buhay＂or life tail | ＂ba＂rotated 90 degrees to the left |
| 5 | 5 | エ | ＂kilos＂or motion tail | ＂ka＂with horizontal strokes straightened and vertical stroke slanted to the left |
| 6 | Y | と | ＂daigdig＂or world tail | mirror image of＂da＂ |
| 7 | く | $3)$ | ＂ganda＂or beauty tail | mirror image of＂ga＂with straightened end stroke |
| 8 | 1 | $\sim$ | ＂harap＂or directions tail | ＂ha＂straightened and rotated 90 degrees |
| 9 | 7 | $\uparrow$ | ＂likas＂or nature tail | ＂ha＂with horizontal strokes straightened and vertical stroke moved to the right |
| 10 | る | 6 | ＂mahal＂or love tail | mirror image of＂na＂ |
| 11 | $\downarrow$ | $\uparrow$ | ＂buti＂or good tail | inverted＂na＂ |
| 12 | E | 2 | ＂ngalan＂or name tail | mirror image of＂nga＂ |
| 13 | 人 | $a$ | ＂panginoon＂or lord tail | mirror image of＂pa＂ |
| 14 | ব | 35 | ＂sukat＂or measure tail | simplified mirror image of＂sa＂ |
| 15 | $J$ | 乙 | ＂tangi＂or element tail | mirror image of＂ta＂ |
| 16 | $\sigma$ | ל | ＂tao＂or body tail | mirror image of＂wa＂ |
| 17 | $\sigma$ | $\infty$ | ＂liit＂or small tail | simplified mirror image of＂ya＂ |

Daughter tails of alam（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 18 | 予 | $\Varangle+\Varangle$ | ＂agham＂or science tail |
| 19 | צ | $\Varangle+U$ | ＂ilaw＂or light tail |
| 20 | F | $\zeta+\zeta$ | ＂dilim＂or darkness tail |
| 21 | \％ | 子 + d | ＂sining＂or arts tail |
| 22 | \％ | $\zeta+J$ | ＂titik＂or literature tail |
| 23 | \％ | $\zeta+\zeta$ | ＂wika＂or language tail |

Daughter tails of isip（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 24 | 枵 | $4+3$ | ＂baliw＂or insanity tail |
| 25 | 或 | $U+$ K | ＂galit＂or anger tail |
| 26 | 古 | $4+7$ | ＂lungkot＂or sorrow tail |
| 27 | 旨 | $4+$ W | ＂puso＂or heart tail |
| 28 | 空 | $ひ+$ ひ | ＂saya＂or joy tail |
| 29 | 式 | $U+J$ | ＂takot＂or fear tail |

Daughter tails of ulo（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 30 | ® | $\Sigma+U$ | ＂ilong＂or nose tail |
| 31 | 飞 | $\Sigma+3$ | ＂bibig＂or mouth tail |
| 32 | を | $\Sigma+Y$ | ＂dila＂or tongue tail |
| 33 | を | $\Sigma+\zeta$ | ＂mata＂or eye tail |
| 34 | を | $\varepsilon+\varepsilon$ | ＂ngipin＂or teeth tail |
| 35 | $\Sigma$ | $\Sigma+J$ | ＂tainga＂or ear tail |

Daughter tails of buhay（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 36 | © | $B+4$ | ＂inom＂or drinks tail |
| 37 | O | $B+B$ | ＂bahay＂or shelter tail |
| 38 | $\theta$ | $3+5$ | ＂kain＂or food tail |
| 39 | 8 | $B+Y$ | ＂damit＂or clothing tail |
| 40 | （3） | $B+\sqrt{3}$ | ＂patay＂or death tail |
| 41 | 8 | $B+J$ | ＂tulog＂or sleep tail |

Daughter tails of kilos（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 42 | 百 | $\Sigma+\Varangle$ | ＂alis＂or depature tail |
| 43 | $\sqrt{3}$ | $5+3$ | ＂bigay＂or giving tail |
| 44 | $\sqrt{5}$ | $5+5$ | ＂kuha＂or accepting tail |
| 45 | $\underline{B}$ | $5+Y$ | ＂dating＂or arrival tail |
| 46 | F | $5+7$ | ＂laban＂or offense tail |
| 47 | E | $5+J$ | ＂tanggol＂or defense tail |

Daughter tails of daigdig（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 48 | 条 | $\bigcirc+\lessgtr$ | ＂aga＂or day tail |
| 49 | D | $Y+1$ | ＂hirap＂or suffering tail |
| 50 | 〕 | $Y+7$ | ＂langit＂or heaven tail |
| 51 | $\checkmark$ | $\bigcirc+ゐ$ | ＂salapi＂or money tail |
| 52 | （6） | $\bigcirc+\sigma$ | ＂wasak＂or destruction tail |
| 53 | $\checkmark$ | $J+\alpha$ | ＂yaman＂or wealth tail |

Daughter tails of ganda（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 54 | 唇 | そ＋ | ＂anyo＂or form tail |
| 55 | E | そ＋ 5 | ＂kulay＂or color tail |
| 56 | K | に + K | ＂gulang＂or age tail |
| 57 | F | に＋7 | ＂lakas＂or strength tail |
| 58 | 昘 | に＋， | ＂puti＂or cleanliness tail |
| 59 | F | $\nwarrow+J$ | ＂talas＂or sharpness tail |

Daughter tails of harap（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 60 | ふ | $1+3$ | ＂baba＂or down tail |
| 61 | ＋ | $1+5$ | ＂kaliwa＂or sides tail |
| 62 | $\frac{1}{1}$ | $1+7$ | ＂likod＂or back tail |
| 63 | あ | $1+$ 1 | ＂simula＂or start tail |
| 64 | $\frac{1}{7}$ | $+J$ | ＂taas＂or up tail |
| 65 | く | $1+\sigma$ | ＂wakas＂or end tail |

Daughter tails of likas（parent）tail：

| No． | Tail | Origin |  | Tail Name |
| :---: | :---: | :---: | :--- | :--- |
| 66 | $\exists$ | 7 | + | ＂ |
| 67 | ヨ |  |  |  |

Daughter tails of mahal（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 72 | 各 |  | ＂anak＂or child tail |
| 73 | b | $\checkmark+U$ | ＂ina＂or mother tail |
| 74 | 令 | $\checkmark+3$ | ＂babae＂or feminine |
| 75 | 8 | $\checkmark+5$ | ＂kapatid＂or sibling tail |
| 76 | b | る +7 | ＂lalaki＂or masculine tail |
| 77 | 3 | $\checkmark+J$ | ＂talik＂or intimacy tail |

Daughter tails of buti（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 78 | 茬 | $\downarrow+子$ | ＂asa＂or faith tail |
| 79 | 亗 | $\downarrow+3$ | ＂biyaya＂or blessings tail |
| 80 | 光 | $\downarrow+$ J | ＂dalangin＂or prayer tail |
| 81 | $\stackrel{\perp}{\downarrow}$ | $\downarrow+7$ | ＂lingkod＂or worship tail |
| 82 | 交 | $\downarrow+$ む | ＂sala＂or sin tail |
| 83 | 交 | $\downarrow+J$ | ＂totoo＂or truth tail |

Daughter tails of ngalan（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 84 | है | $\varepsilon+\varepsilon$ | ＂ugali＂or attitude tail |
| 85 | 灰 | $\varepsilon+3$ | ＂bagay＂or thing tail |
| 86 | E | $\varepsilon+5$ | ＂kailangan＂or need tail |
| 87 | § | $\varepsilon+J$ | ＂daan＂or way tail |
| 88 | \＆ | $\varepsilon+\kappa$ | ＂gawa＂or work tail |
| 89 | （I | $\varepsilon+7$ | ＂lungsod＂or city tail |

Daughter tails of panginoon（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 90 | 冬 | 人 + S | ＂ayos＂or order tail |
| 91 | 家 | $\sqrt{1}+3$ | ＂bayan＂or country tail |
| 92 | 家 |  | ＂dakila＂or honor tail |
| 93 | D | $\mathfrak{N}+1$ | ＂hukom＂or judgment tail |
| 94 | 各 | 人 + d | ＂sunod＂or law tail |
| 95 | 주 | $\checkmark+J$ | ＂tagumpay＂or courage tail |

Daughter tails of sukat（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 96 | 令 | a＋ | ＂bilis＂or speed tail |
| 97 | 全 | む +5 | ＂kapal＂or thickness tail |
| 98 | な | む＋1 | ＂haba＂or length tail |
| 99 | 尤 | む＋7 | ＂lawak＂or area tail |
| 100 | 产 | む + d | ＂panahon＂or time tail |
| 101 | 会 | む＋J | ＂timbang＂or weight tail |

Daughter tails of tangi（parent）tail：

| No． | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 102 | 頁 | $丁+马$ | ＂apoy＂or fire tail |
| 103 | 3） | $J+B$ | ＂bakal＂or metal tail |
| 104 | D | $\Gamma+1$ | ＂hangin＂or wind tail |
| 105 | $\pm$ | $J+7$ | ＂lupa＂or earth tail |
| 106 | ত | J + む | ＂salamin＂or glass tail |
| 107 | J） | $J+J$ | ＂tubig＂or water tail |

Daughter tails of tao (parent) tail:

| No. | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 108 | (6) | $\sigma+3$ | "binti" or extremities tail |
| 109 | $\leqslant$ | $\sigma+5$ | "kamay" or hand tail |
| 110 | $\theta$ | $\sigma+\zeta$ | "dibdib" or chest tail |
| 111 | $\cdots$ | $\checkmark+7$ | "lusog" or health tail |
| 112 | (5) | $\checkmark+$ 人 | "paa" or feet tail |
| 113 | 6 | $\zeta+J$ | "tiyan" or abdomen tail |

Daughter tails of liit (parent) tail:

| No. | Tail | Origin | Tail Name |
| :---: | :---: | :---: | :---: |
| 114 | $\leqslant$ | $\alpha+U$ | "init" or heat tail |
| 115 | (3) | $\alpha+3$ | "bawas" or subtraction tail |
| 116 | $\bigcirc$ | $\alpha+J$ | "dagdag" or addition tail |
| 117 | (1) | $\alpha+1$ | "hati" or division tail |
| 118 | (s) | $\alpha+$ 人 | "pantay" or equilibrium tail |
| 119 | Q | $\sigma+J$ | "tulak" or force tail |

## Level 2B: Primary Brief Forms

The primary brief forms represent the 119 most basic words and numerals of Tagalog. They composed of two (2) baybayin characters or strokes stacked/combined on a convenient manner.

Group 1:

| No. | Word | LLL | Origin |  | Remarks |
| :---: | :---: | :---: | :---: | :---: | :--- |
| 1 | ah | $\ddots$ | $\varepsilon$ | + |  |

Group 2：

| No． | Word | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 22 | alin | ＊ | $E+T$ | ＂a＂with＂la＂inside |
| 23 | amin | 6 | $t+\zeta$ | fusion of＂a＂and＂ma＂ |
| 24 | ano | （1） | $\dot{*}+\uparrow$ | ＂a＂with inverted＂na＂inside （inverted＂ Na ＂represents interrogative pronouns） |
| 25 | atin | せ | $\varepsilon+\tau$ | ＂a＂with＂ta＂inside |
| 26 | ayon | $\stackrel{\downarrow}{6}$ | $\varepsilon+\infty$ | fusion of＂a＂and＂ya＂ |
| 27 | iba | 否 | $\bar{M}+\omega$ |  |
| 28 | ito | $\bar{\chi}$ | $\bar{M}+\tau$ | truncated＂i＂above truncated＂ta＂ |
| 29 | iyan | 衣 | $\bar{M}+\varepsilon$ | truncated＂i＂above truncated＂a＂ |
| 30 | iyo | $\bar{\chi}$ | $\bar{M}+\bar{M}$ | truncated＂i＂above stalkless＂i＂ （stalkless＂ i ＂represents words related to＂iyo＂ |
| 31 | iyon | $\overline{3}$ | $\bar{M}+3$ | truncated＂i＂above truncated＂u＂ |
| 32 | ukol | 予 | $3+$ I |  |
| 33 | upang | 3 | $3+\pi$ | ＂u＂above＂pa＂without begin stalk |
| 34 | bakit | ¢ | $\Delta+\tau$ |  |
| 35 | dahil | と | と＋～ |  |
| 36 | lamang | $\overleftarrow{6}$ | $T+6$ | ＂la＂with＂ma＂inside |
| 37 | kahit | I | $エ+\sim$ |  |
| 38 | kaya | 支 | $\simeq+\infty$ | ＂ka＂above truncated＂ya＂ |
| 39 | mula | 후 | $6+T$ |  |
| 40 | pala | ¢ | $\succsim+T$ | ＂pa＂without end stalk above＂la＂ |
| 41 | salamat | $>4$ | $36+T$ | sa with＂la＂inside |
| 42 | tulad | T | $\tau+\tau$ | ＂ta＂with＂la＂inside |

Group 3：

| No． | Word | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 43 | 00 | 3 | $3+3$ | double＂u＂－one of the strokes is omitted |
| 44 | dapat | そ | $\succ+\zeta$ | ＂da＂above＂pa＂without begin stalk |
| 45 | din | 乙 | と＋＇ | ＂da＂with i－kudlit at the end |
| 46 | po | $\zeta$ | $u+3$ | ＂pa＂without end stalk above truncated＂u＂ |
| 47 | sana | 令 | $58+\uparrow$ |  |
| 48 | talaga | （6） | $\tau+3$ | ＂ta＂with＂ga＂inside |
| 49 | tama | E | $\tau+\zeta$ | ＂ta＂with＂ma＂inside |
| 50 | baka | 人 | $\omega+$ L | ＂ba＂above truncated＂ka＂ |
| 51 | bawal | §゙ | $\omega+$ ¢ |  |
| 52 | daw | $\zeta$ | と +3 | ＂da＂above truncated＂u＂ |
| 53 | hindi | $\bar{\chi}$ | $\sim+$ ¢ |  |
| 54 | huwag | $\bar{\nu}$ | $\sim+\circlearrowright$ |  |
| 55 | mali | 娄 | $6+T$ | ＂ma＂slashed by＂la＂without horizontal stroke |
| 56 | ngunit | 六 | $2+\tau$ |  |
| 57 | bukas | 里 | $\omega+$ ¢ |  |
| 58 | habang | $\bar{\omega}$ | $\sim+\omega$ |  |
| 59 | lagi | ٪ | $T+\zeta$ | ＂la＂with＂ga＂inside |
| 60 | minsan | 容 | $6+38$ |  |
| 61 | muli | E | $6+T$ | ＂ma＂with inverted＂la＂（inverted＂la＂ represents repetition） |
| 62 | noon | 3 | $\uparrow+3$ |  |
| 63 | ngayon | 3 | $2+3$ |  |

Group 4：

| No． | Word | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 64 | isa | $广$ | ｜ | numerals are represented by LLL comma with stalks <br> odd numerals have stalks facing the left while even numerals have stalks facing the right the lower the position of the stalk，the higher the value of the numeral |
| 65 | dalawa | $\Gamma$ | 1 |  |
| 66 | tatlo | 7 | ， |  |
| 67 | apat | $r$ | 1 |  |
| 68 | lima | 4 | 1 |  |
| 69 | anim | h | 1 |  |
| 70 | pito | $\lambda$ | 1 |  |
| 71 | walo | b | 1 |  |
| 72 | siyam | $\downarrow$ | 1 |  |
| 73 | （sam）pu | 4 | 1 |  |
| 74 | （san）daan | $\xi$ | と + を | ＂da＂above truncated＂a＂ |
| 75 | （san）libo | － | $T+\Delta$ | ＂la＂with＂ba＂inside |
| 76 | ilan | 坐 | $\bar{M}+\uparrow$ |  |
| 77 | bawat | Q | $\Delta+已$ | ＂ba＂above truncated＂wa＂ |
| 78 | bilang | 半 | $\omega+\uparrow$ |  |
| 79 | halos | 干 | $\sim+T$ |  |
| 80 | lahat | $F$ | $T+\sim$ | ＂la＂with＂ha＂inside |
| 81 | lalo | $\Gamma$ | $T+T$ | ＂la＂with inverted＂la＂inside |
| 82 | mga | ל | $6+2$ |  |
| 83 | may | ¢ | $6+$ | ＂ma＂above LLL comma |
| 84 | wala | 후 | $\nu+T$ |  |

## Group 5：

| No． | Word | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 85 | akin | 区 | $\varepsilon+エ$ | ＂a＂with＂ka＂inside |
| 86 | ako | ४ | $\varepsilon+$ ¢ | ＂a＂with truncated＂ka＂inside |
| 87 | ikaw | 픅 | $\bar{M}+\Upsilon$ | ＂i＂above truncated＂ka＂ |
| 88 | inyo | 页 | $\bar{M}+\bar{M}$ | ＂i＂above stalkless＂i＂ |
| 89 | dito | そ | と + 乙 | ＂da＂above truncated＂ta＂ |
| 90 | diyan | $\succeq$ | と＋غ | fusion of＂da＂and truncated＂a＂ |
| 91 | doon | 3 | と＋ 3 | fusion of＂da＂and truncated＂u＂ |
| 92 | gaano | 31 | $3+\uparrow$ | straightened＂ga＂above inverted＂na＂ |
| 93 | ganito | 广 | $3+\tau$ | truncated＂ga＂beside＂ta＂ |
| 94 | ganiyan | 化 | $3+\varepsilon$ | truncated＂ga＂beside truncated＂a＂ |
| 95 | ganoon | 33 | $3+3$ | truncated＂ga＂beside＂u＂ |
| 96 | kailan | 手 | $工+T$ |  |
| 97 | kami | 6 | エ＋ర | truncated＂ka＂above＂ma＂without begin stalk |
| 98 | kanila | 不 | $工+\uparrow$ | truncated＂ka＂above＂na＂ |
| 99 | kanino | 了 | $工+\uparrow$ | truncated＂ka＂above inverted＂na＂ |
| 100 | kaniya | 万 | $工+\infty$ | truncated＂ka＂above truncated＂ya＂ |
| 101 | kayo | Z | $工+\bar{M}$ | truncated＂ka＂above stalkless＂i＂ |
| 102 | kila | 7 | $\tau+T$ | truncated＂ka＂above＂la＂ |

Group 5 （cont．）：

| No． | Word | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 103 | kita | さ | $工+\tau$ | fusion of＂ka＂and＂ta＂ |
| 104 | naman | 凡 | $\uparrow+\tau$ |  |
| 105 | namin | 6 | $\uparrow+\zeta$ | fusion of＂na＂and＂ma＂ |
| 106 | natin | T | $\tau+\tau$ |  |
| 107 | nila | 中 | $\tau+\tau$ |  |
| 108 | nito | $\bigcirc$ | $\uparrow$ | ＂na＂with stalk bending to the left |
| 109 | niya | 3 | $\uparrow+\infty$ | na above truncated＂ya＂ |
| 110 | niyan | セ | $\uparrow+\varepsilon$ | fusion of＂na＂and truncated＂a＂ |
| 111 | niyo | 2n | $\uparrow+\bar{M}$ | na above truncated＂i＂ |
| 112 | niyon | 3 | $\uparrow+3$ | ＂pa＂without stalk above＂u＂ |
| 113 | paano | $\zeta$ | $ひ+\uparrow$ | ＂pa＂without end stalk above inverter ＂na＂ |
| 114 | saan | 尔 | 污 + T | sa above inverted＂na＂ |
| 115 | sila | 隼 | $35+T$ |  |
| 116 | sino | 论 | 汾 + T | ＂sa＂above inverted＂na＂ |
| 117 | siya | 3 | sis $+\infty$ | ＂sa＂above truncated＂ya＂ |
| 118 | tayo | 依 | $\tau+\bar{M}$ | ＂ta＂with truncated＂i＂inside |
| 119 | tungkol | 庄 | $\tau+エ$ | ＂ta＂with＂ka＂inside |

## Level 3A：LLL Syllabary

The purpose of this system is to write non－Asian loan words（e．g．from Spanish，English，German，etc．） and colloquial words，to differentiate them from Asian words loaned in Tagalog．The usage is similar to that of Katakana．The syllables resemble their Baybayin counterparts．It has special transformation and stacking rules．

The following are the primary forms of the LLL Syllabary：

|  | LLL | Remarks |
| :---: | :---: | :---: |
| a | \ | first two strokes of Level 1 ＂a＂ |
| i | 人 | derived from Level 1 ＂i＂ |
| u | \｜ | derived from LLL period sign |
| e | ऐ | Level 3 ＂a＂＋Level 3 ＂i＂ |
| ○ | \II | Level 3 ＂a＂＋Level 3 ＂u＂ |
| b | 5 | derived from Level 1 ＂ba＂ |
| k | J | same as Level 1 ＂ka＂but elongated |
| d | 又 | derived from Level 1 ＂da＂ |
| g | 3 | derived from Level 1 ＂ga＂ |
| h | 5 | mirror image of Level 3 ＂ t ＂，for uniformity |
| I | $T$ | same as Level 1 ＂la＂but elongated |
| m | 12 | mirror image of Level 3 ＂ b ＂，due to phonetic relation |
| n | 又 | mirror image of Level 3 ＂ d ＂，due to phonetic relation |
| $\mathrm{ng} / \mathrm{q}^{*}$ | 2 | derived from Level 1 ＂nga＂ |
| p | C | derived from Level 1 ＂pa＂ |
| s or z | $\leq$ | derived from Level 1 ＂sa＂ <br> （also，mirror image of Level 3 ＂ g ＂，for uniformity） |
| t | て | same as Level 1 ＂ta＂but elongated |
| w | $\lambda$ | mirror image of Level 3 ＂ y ＂，for uniformity |
| y | 人 | derived from Level 1 ＂ya＂ |
| v | C | Level 3 ＂b＂＋panayuhan－kudlit |
| ch／c＊ | I | Level 3 ＂ k ＂＋panayuhan－kudlit |
| r | 又 | Level 3 ＂d＂＋panayuhan－kudlit |
| j | $\xi$ | Level 3 ＂g＂＋panayuhan－kudlit |
| f | 工 | Level 3 ＂p＂＋panayuhan－kudlit |
| sh／x＊ | を | Level 3 ＂s＂＋panayuhan－kudlit |
| th／z＊ | て | Level 3 ＂t＂＋panayuhan－kudlit |

The letters with asterisks denote the letter the character represent when used in acronyms．
The primary forms can be transformed to secondary forms in order to represent syllables：

|  | Ending Vowel |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Starting <br> Consonant | － | a | i | u | e | － |
|  | （n／a） | － | 人 | 11 | i | NII |
| b | $\&$ | 5 | $\checkmark$ | Y | H | Sil |
| k | I | 工 | I | 1 | ひ | 以 |
| d | \＆ | 8 | $l$ | $\bigcirc$ | A | 如 |
| g | 3 | シ | 之 | $\zeta$ | 么 | 引 |
| h | Y | ノ | 入 | 厂 | 从 | $\cdots$ |
| 1 | $T$ | 「 | 入 | $\Gamma$ | 入 | MI |
| m | 2 | 2 | 2 | $\gamma$ | 山 | 川 |
| n | 又 | 7 | 又 | $\gamma$ | A | H |
| ng | 2 | 2 | 2 | Y | $x$ | 21 |
| p | 1 | 5 | 1 | Y | a | SII |
| s | צ | $\xi$ | ك | Y | 乡 | $\xi 1$ |
| t | て | く | 人 | て | 入 | ไI |
| w | $\lambda$ | － | $\lambda$ | 7 | 火 | －II |
| y | 人 | r | L | r | や | HI |
| v | I | 亏 | $\checkmark$ | $\bigcirc$ | a | Sn |
| ch | 卫 | I | I | 1 | H | 吅 |
|  | 又 | 右 | l | $て$ | d | 如 |
| j | 3 | z | £ | 5 | 乡 | \＃ |
| f | I | S | 」 | $\uparrow$ | a | SII |
| sh | $\Sigma$ | $\xi$ | $\varepsilon$ | そ | \＆ |  |
| th | て | を | 人 | て | 《 | \％11 |

Primary forms can be combined with secondary forms to produce tertiary forms which can represent syllables with the form vowel＋consonant or consonant＋vowel＋consonant．The primary forms （letters）can be affixed／inserted on secondary forms（syllables）on specific sites，equivalent to placing kudlit in Level 1A．For syllables ending in＂a＂，the primary form is attached to the right of the secondary form；for syllables ending in＂i＂or＂e＂，the primary form is placed on the cavity at the top of the secondary form（similar to placing i－kudlit on top of a Level 1A character）；and for syllables ending in＂u＂ or＂o＂，the primary form is placed on the cavity at the bottom of the secondary form（similar to placing u－kudlit at the bottom of a Level 1A character）．The following tables illustrate these stacking principles：

|  | Ending Consonant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | b | k | d | g | 1 | m | n | ng | p | s | t | w | y | v | ch | r | j |  | sh | th |
| a | \1 | II | － | \3 | 3 \T | 汭 | 㸚 | －2 | M | I | こて | － | 以 | \I | 11 |  | S | 1 | S |  |
| e | i 1 | ，II | 效 | \3 | 3 入1 | 八2 | 效 | 入2 | if | \ı | 入て | 入入 | 入人 | 入】 | 入1 | 入2 | $\therefore 3$ | 1 | 入を |  |
| i | 16 | 人I | 12 | 13 | 3 人T | 人2 | 双 | 12 | 人 | 人 1 | $1 \tau$ | 入入 | 人 | 人2 | 人I | 人2 | 人3 | 人1 | 人を | 人 |
| o | is | I－ | 效 | 部 | 3 ¢T | 交 2 | 效 | i2 | is | is | 今て | ì | is | 部 | is | 部 | i3 | 1 | 太 |  |
| u | 114 | 1 I | 112 | 113 | IIT | $11_{2}$ | ｜12 | ｜12 | 11. | ｜İ | 1 T | ｜İ | 12 | 1 I | 1 I | 1 L | 13 | 15 | I\} |  |
| ba | S6 | SI | Sl | S3 | 3 ST | T S $\mathrm{S}_{2}$ | S义 | 52 | SI | SI | sT | S入 | 从 | 9I | g | 碞 | 43 | SI | SE | 9 C |
| da | 6¢ | 的 | 奴 | 83 | 3 价 | T $\mathrm{x}_{2}$ | 双 | ＜2 | x |  | ¢ | 妉 | 从 |  | ¢1 | 奴 | ＜3 |  | 奴 | 代 |
| ga | 36 | 江 | 没 | 33 | 3 耵 | T 江 | 汉 | 32 | 31 | $3 \leq$ | こて | 汍 | 3人 | 3 I | 江 | 没 | 33 | 31 | 35 |  |
| ha | $) 6$ | ）I | ） | 33 | $3) T$ | T 32 | 以 | $) 2$ | $)$ | ） 1 | ヶて | ）$\lambda$ | 人 | ）I | ） | ） | ）3 | 1 | ） |  |
| ka | Is | 上I | 战 | L | 15T | T 52 | 效 | 上2 | I | Is | 切 | I入 | 以 | 上I | 上 | 叔 | 53 | If | 5 |  |
| la | T4 | TI | 1re | 「3 | 311 | T $T_{2}$ | 「义 | 个2 | T | TI | 个て | T入 | 入1 | TI | 个 | 个 | † | 1 | 「を |  |
| ma | D 4 | LI | 敨 | 23 | 3 D T | T－212 | 改 | 22 | 2 | D 1 | 2T | D入 | ゆ人 | 2 I | 2 P | 改 | 23 | 21 | DE |  |
| na | 76 | II |  | 33 | 3 㹝 | T 加 $^{2}$ | 㸚 | ）2 | 7 | ） 5 | 〕 | خ入 | خ人 | 71 | ）I | 72 | 73 | If | ）E |  |
| pa | S¢ | SI | S2 | 53 | S ST | $S_{12}$ | SQ | S2 | S 1 | $5 \Sigma$ | ST | S $\lambda$ | Sh | 51 | SI | 5 | 53 | SI | Sร |  |
| nga | 21 | $2 I$ | 2 | 23 | $32 T$ | 2 L | 2 | 22 | 2 | ）$\leq$ | ） | ）$\lambda$ | 人 | 2 I | 2 I | 2 | 23 | I | ） |  |
| sa／za | $\xi 6$ | SI |  | S3 | $3 \leqslant T$ | T $\xi_{1}$ | 效 | ¢ 2 | S | \} | $\xi \tau$ | 引 $\lambda$ | 納 | $5]$ | § | 戗 | S | 51 | 乡E |  |
| ta | C1 | とI | Iと | と | \T | T $C_{2}$ | と义 | （2 | と | ¢̧ | てて | c入 | てん | と 1 | とI | と | C3 | 1 | CE |  |
| wa | 71 | II | 水 | 13 | 317 | T -12 | － | 12 | 1 | －15 | $\downarrow$ | －$\lambda$ | 入1人 | UI | 1 I | 12 | 3 | If | $1 z$ |  |
| ya | t 1 | 卜I | $1+8$ | ＋3 | 3 －T | ＋21 | 「义 | ＋2 | H | ts | ヶr | ＋入 | 「人 | 1 | 1 | －2 | †3 | ＋I | トを |  |
| va | If | SI | 政 | 93 | 3 IT | İ12 | 哣 | I2 | I 1 | Is | cr | İ | 92 | II | IT | 92 | 93 | I | 95 | gr |
| cha | LG | II | 改 | 琏 | 31 | 城 | 改 | I2 | L | 珪 | 现 | 纫 | 以 | II | II | 改 | 13 | 15 | 13 |  |
| ra | X11 | 玒 | 双 |  | 1 X | T 如 | 双 | X2 | 双 | XI | 欢 | 双 | 人 | 如 | X | 双 | ¢3 | 双 | 妇 |  |
| ja | 311 | 江 | 敳 | 32 | 3 列 | T 江 | 效 | 汭 | 31 | $3 \underline{1}$ | 项 | 致 | 认 | 江 | 牫 | 攺 | 32 | IS | 3 3 | 3 |
| fa | 51 | SI | S＜ | 53 | 3 ST | T $S_{2}$ | Sv | 52 | SC | 55 | ST | S入 | S人 | 51 | SI | 5 | 53 | 51 | SE | SC |
| sha | \％ | SI | 放 | S3 | 3 GT | T $\xi_{12}$ | 放 | \％ 2 | S 1 | \} $\leq$ | $\xi \tau$ | 引 $\lambda$ | \}人 | \％ | 码 | 㱜 | \％ | S1 | \} | छ |
| tha | CG | \＆I | I2 | とう | 1 ¢T | 「1 | \＆又 | と2 | と1 | 「1 | くて | ¢ $\lambda$ | くん | とI | を1 | \＆ | 5 | C | とદ | ¢ |


|  | Ending Consonant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | b |  | k d | d g | g I | m | m | ng |  |  |  |  |  |  |  | ch r |  |  |  | sh |  |
| bi | $\underline{46}$ |  |  | 46 | 3616 | T6 26 | $26 \times 1$ | 26 |  | 6 | Ef | Ef | S6 | $4{ }^{4}$ | If I | If | 约 3 | 36 | cs | ［ 3 |  |
| di | GI | II | \＆ 1 | EI 31 | IT II | T1）${ }_{1}$ | 2T X － | IT 2 | IS | （I）$\underline{1}$ | IT T | TI 1 | 人 | G | I | IT | ${ }^{1} 1$ | 3 IT | II | \＆I | TT |
| gi | $\underline{4}$ | Ik | 4 | 43 | $3{ }^{2}$ | T6 26 | $2{ }_{2} 8$ | 22 | S6 | 6 | 纸 | Th 1 | S 4 | L I | If I | I2 | 8 | 3 | Sk | 级 |  |
| hi | 近 | 建 | 36 | 迷这 | 建 3 | IT 30 | 32 32 | 322 |  | 36 | $3{ }^{3}$ | 32 3 | 3 $\lambda 3$ | 3 3 | 近 3 | I | 延 | 这 | 3 |  |  |
| ki | S | 天 | ＊ | 䢒 | 交丈 | 丈＞ | 起》 |  |  |  |  |  |  | ， | ， |  | ${ }^{3}{ }^{\text {x }}$ |  |  | 买 |  |
| li | K | 圭 | ＊ | 这 | 主 | 大走 | R2 | マ 2 |  | ¢ | K | 稆 |  | g | X | I | \＆ | R | \＆ |  |  |
| mi | 近 | 返 | 这 | 这 | $\underline{3}$ 订 | I2 2 | 22.2 | 区 2 |  | 碞 | ， | 2 | 込 | 边 | 近 $\mathrm{L}^{2}$ | 2］ 2 | 这 | 这 |  |  |  |
| ni | ） | 这 | I 延 | 起 | 延 2 | 212 | 边又 | 又 2 |  |  |  | 业 | 22 | 边 $\times$ | ＜ | 起 | 业 | 2 |  |  |  |
| pi | 2 | 2I | I $2 \times$ | $\underline{2}$ | 2） 21 | 2120 | 222 | Q 22 |  | ＜ 2 | 延20 | ＜ 2 |  | 以2 | 20 | I2 2 | 这2 | 2 |  |  |  |
| ngi | $\underline{G}$ | IS | E 6 | $4 \leq$ | 3 I | If ${ }^{\text {c }}$ | $\underline{2}$ | $\underline{0}$ |  |  |  |  |  | I | GI 1 | I 1 | ¢ | $3{ }^{3}$ | c |  |  |
| si／2 |  | İ | 红奴 | 约 | 3 If | T¢ $\underline{\underline{2}}$ | 纸 $\underline{2}$ | 近 |  |  |  |  |  | 느프N | Ir | İ 2 |  | 丝 |  | 哏 |  |
| ti | t |  | 为 | $⿻ 上 丨^{4}$ | 为 | 双 | 2x | ＊ 2 |  |  |  | ¢ |  | f | ك | $x$ | 或 | 边 | $\pm$ | 妛 |  |
| wi | （6） |  | 디의 | $x_{1} 3$ | 3 | I） | 릴 |  |  |  |  |  |  | $\cdots$ | ［ | 1） | ㅇ |  |  |  |  |
| yi | L |  | 达 | 延 | 3 ¢ | 士以 | Q ${ }^{2}$ | 21 |  |  |  |  |  | 0 | ［10 |  |  |  |  |  |  |
| vi | Gid |  | 10 60 | 403 | 30 If | TC 20 | $20 \times 2$ | 26 |  | co | Ect | col 1 | 10 | G | If I | 18 | ${ }^{\text {g }}$ | 30 | cc |  |  |
| chi |  |  | $\underline{+1} \times{ }^{\text {P }}$ | $\mathrm{P}^{1} \mathrm{I}^{\text {P }}$ | 3P IP | TP ${ }^{\text {® }}$ | $27 \times$ |  |  |  |  |  | Al | 1 | If | Ir | 21 |  |  |  |  |
| ri |  |  |  | 绽 | 30 | T2 29 |  | 28 |  |  |  |  |  | I | 紬 | I2 | 呚 | 32 |  |  |  |
| ji | 近 | 这 | 这 | 这这 | 迆 3 | 31 30 | 32 32 | 这 32 |  | 建 | 3 3 | 32 3 | $3 \lambda$ | 3 3 | $3{ }^{3}$ | 323 | 这3 | 3 | 38 |  |  |
| fi |  |  | If ¢ | 40 38 | 35 Ir | IT DC | $2 \mathrm{CC} \times$ |  |  |  |  |  |  | LS］II | If I | Ir | 近 3 | 38 |  |  |  |
| sh |  |  | ］ \X | ［ 3 3 | 32 If | T¢ $\underline{\text { D }}$ | D2 ${ }^{2}$ 2 |  |  |  |  |  |  | 느 판 | İg I |  |  |  |  |  |  |
|  |  |  |  |  |  | 文》 | 足 |  |  |  |  |  |  | 人 | t |  |  |  |  |  |  |


|  | Ending Consonant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | b | k |  | g |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| bu | \％ | I6 | 可 | 发 | G TC | 6 | 可这 | 20 | ¢ |  |  | ¢ $¢$ | N0 | 代 | IU |  | 戓䢒 | 3 C | ct |  |
| du | G1 | II | 可 | I 3 | T1 | 可 | 可又 | 吅 | I | k． | IT | त | 入1 | K1 $\overline{\mathrm{T}}$ | II | 新 | \％ | 31 | त1 |  |
| gu | $\pi$ | It | 效 | 3 | T $\uparrow$ | ¢ | 2x | W2 | ¢ | ¢ |  | て¢ | 入入 | K | İ | वx $\bar{x}$ | $\bar{x}$ | 30 | c | c |
| hu | S | 江 | 很 | 行 | 行 | \％ | 面 3 | 红 | 行 | 3 |  | \％ | 3 | 砍红 | K | 江源 | 3 | 3 |  |  |
| ku | $\pi$ | II | J | 3 | ） | $\sqrt{2}$ | 万反 | 願 | I | ） |  | $\pi$ | ת | 及下 | $\sqrt{6}$ | 过 | 5 | ， | C |  |
| lu | If | II | － | I | 31 | IL | 的区 | 区 12 | 1 | I |  | T | 下 | 下 | 区 | I | ， | \％ | I |  |
| mu | 江 | 讧 | 设 | 污 | § $\chi^{\prime}$ | 㑔 | 砍改 | 反 2 | 晾 | D |  | ¢ D | 改旸 | 㳅㐾 | 河㐾 | 诜没 | 没 | 江 | 的 | $\chi$ |
| nu | $x_{6}$ | 犺 | 稀 | 疗 | 狠 | 䂭 | 和狡 |  | 促 | 狡 | 艮犯 | 可 | 水） | 狄 | $x$ 可 |  | 狘猪 | 1 |  | x |
| pu | 石 | 位 |  |  | $\xi$ | J | 面収 | 反 15 | 近 | （） |  | ¢） | ） | 不成 | 后） | ）f | 退 | 20 | $\overline{1}$ |  |
| ngu | $\pi$ | İ | x | （3） | T |  | （2） | $\overline{2}$ |  |  |  |  |  | Kir | İ | ci $\bar{x}$ | x | 3 C | ci |  |
| su／zu | ¢ | İ | 区 | ¢ 3 \％ |  | ¢ ${ }^{\text {ar }}$ |  | ¢ 2 |  |  |  |  |  | 不 | IY ${ }^{\text {a }}$ | तो | 站 3 | 3）İ |  |  |
| tu | व | IT | 可 | 3 | T $\pi$ | 可 | 隹 | 可 | ก | ¢ |  | त | तᄌ | 不可 | T $\overline{1}$ | त $\overline{0}$ | 可可 | 3 | － |  |
| wu |  | Il | 区 | 家 |  |  | 园 | 11 |  |  |  |  |  |  | I | （1） | 或 3 | 31 |  |  |
| yu | 16 |  | 布 | 彦 |  |  | 的的 | 212 |  |  |  |  |  |  | 16 | IT | 友 |  |  |  |
| vu | $\pi$ | I0 | x 0 | 30 | $\bigcirc{ }^{10}$ | 0 | 20 | 20 | T0 | c |  | で |  | I | IO | T0 $0^{0}$ | र0 | 30 | ct | T0 |
| chu |  | Ir | 不 | I 3 | IT |  | 7 又 | 12 |  |  |  |  |  | I | IT | त1 艮 | 碞 | 11 | C |  |
|  |  | IC | 区 |  |  | 『 | 『व |  |  |  |  |  |  | 不 | İ | $\square^{\circ} \bar{x}$ | 碞 $\overline{3}$ |  |  |  |
| ju | 浱 | II | 5 | 良 | 行 | 3 |  | \％ 32 | 3 | 炜 |  | 3 | 效 3 | 砍了 | 3 | $3{ }^{1}$ | 很33 | S | 行 5 |  |
| fu |  | I＇ |  |  |  | $0^{2}$ | 枵 2 |  |  |  |  |  |  | 尤 I | IC | ci $\bar{x}$ | 刮 3 | 3 |  |  |
| shu |  | It |  |  | T $\uparrow$ \％ | \} D | 2\} x 2 |  |  |  |  |  |  | R¢ | P\％ | तह है | x 3 3 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TC |  |  |  |  |  |


|  | Ending Consonant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | k d | d g |  | \％ | m | ng |  |  |  |  | w y |  |  | ch r |  | f | f sh |  |
| be |  | SI | S | c | 注分 | 尤边 | Sese | St | ster | 碞 |  |  | ser | sks | Scis | St ${ }^{\text {Se }}$ | St Se | Sf | S |  |
| de | 煺 | 巧 | 达比 | 域 | 䢒以 | 功地 | 圤地 | 枵 | 地 | 比 | 送 | 巧此 | 上上 | 以上 | 域域 | H2 | 域场 | 烄巩 | H | 法 |
| ge |  | 起 | 建建 | 弤娃 | 建近 | 近 12 | 迆 6 | 建 | 2x | 娃 | x | 込 | d | 发 | 㒾 4 | 建 48 | 陡 6 | 4 | 建 1 | 陡发 |
| he | 近 | $3{ }^{\text {I }}$ | 3 38 | 3 | 注动 | 31 32 | $3{ }^{2} 3$ | 2 | $3{ }^{3}$ | 峧 |  |  |  | 38 | 38 | 38 | 碞㧒 | 3 | 353 |  |
| ke |  | ） | ） | 方 | 为） | 大迆 | 边场 | 水 | 2） |  |  |  | ¢＞ | $)$ | ）${ }^{(1)}$ | ） | ） | ）${ }^{\text {2 }}$ | $\left.){ }_{5}\right)$ |  |
| le |  | 「 | 个 | な | そけ | Tr2 | TR | T2 |  |  |  |  |  | K＜ | ¢ | な「て | けた | ぞヶ | けく | 个走 |
| me |  | 地 | 优 | 煺 | 水订 | 加地 | 边叫 | －${ }^{2}$ | 地 | 地 |  | 2 | 込 | 烟狖 | 运场 | 吹站 | 达屺 | 硅砍 | 巩 ${ }^{\text {D }}$ | DE边 |
| ne |  | 壮 | 为 | 扫 | 方》 | 大把 | 把执 | F2 |  |  |  |  | 水 3 | F | 㕱 | 业 | 长 |  | ， |  |
| pe |  | 决 | 2x | 准 | 冰枝 | 人 22 | 碞220 | 2 22 |  |  |  |  | 人） | 28 | ） 2 | İ 2 L | 次 | 2 | ， | 泣 2 2 |
| nge |  | S |  | cs | 家边 | Ste | S2S ${ }^{2}$ | \％St | Ss | ¢ $\mathrm{SE}^{\text {e }}$ |  |  | sis | sese | Se | Se | S8 Se |  | s | S S S |
| se／2 |  | 组红 | 达 38 | 绿 | 校须 | 红织 | 级纹 | 紬 | $3{ }^{3}$ | 碞 |  |  |  | 纵䍃 | S 5 | 碞 58 | 继 5 | \％ | \％ | 賋 |
| te |  | て | さてくで | そ | 这て | ct ce | ce 2 C |  |  |  |  |  |  | て | て¢ | でてくで1 | で | て | と |  |
| we |  | H | 妆 | 娮 | 准快 | 析快 | H2 H2 | 12 |  |  |  |  | Hk | － | － | － | 林－ | － | HE－ |  |
|  |  | 忹 | ＋+2 | ¢ 卜立 | そけ | T＋2 | －2 +2 |  |  |  |  |  |  |  | ＋ | ＋8 | ＋\＆ | トそ +8 | ＋51 |  |
| ve |  | 近 | 验楽 | 砍 | 吴吹 | 界䀟 | 员碞 | 可 |  |  |  |  | 刮奀 |  | S | 帜里 | 枵要 | 碞矿 | 枵 |  |
| che |  | 近 | 訧 | 这 | 凉以 |  | 汭路 | 12 |  |  |  |  | 上以 | 以上 | 现 | 叔 | 牫运 | 玨现 | I5 |  |
| re |  | 建娃 | 双 | 娃 | 姟赴 | 财奴 | 戏双 |  |  |  |  |  |  |  | 媿 | x8 | 戏奴 | 姟姫 | 又 |  |
| je |  | 迷 3 | 沋汹 | 涭 | 注湢 | 严徒 | 根哏 |  |  |  |  |  | 対级 | 㳄㳀 | 3 3 S 3 |  | 浞绿 | 骇38 | 3 3 ） 3 |  |
| fe |  | St | St | $5^{\text {c }}$ | 号近 | St Se | Se $5^{2}$ |  |  |  |  |  |  | 处 5 | Sct | St Se | St ${ }^{\circ}$ | S | 5 |  |
| she |  | 和䙹 | 碞 | 张峧 | 校县 | 罗炽 | 㕱㱞 |  |  |  |  |  |  |  |  | \＃${ }^{\text {E }}$ |  | 近 | 3 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | Ending Consonant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | k | d | g |  |  |  | ng |  |  |  |  |  |  |  | S |  | j f |  |  |
| bo | gis | Sil | 笙 | G\％ | St | G20 | 发 | 52 | S\％ | S＇ | gr | SX | S |  | S\％ 94 | $\mathrm{SH}_{4} 9$ | $5{ }^{5} 9$ | \％ | S18 |  |
| do | 项 | 珤 | 现 | 侁 |  | ＋ 5 | 政 | 项 | 比 | 现 | 以 | 路 | 以 |  | 比址 | 球政 | 政现 | 此 | 琣 | ＂ |
| go | 始 | 娃 | 免 | 娃 |  | 4 $x_{12}^{10}$ | 始 | $x^{4} 2$ | 新 1 | 娧 | x | 网 | 㰠 |  | 㚾㬝 | 渞媇 | 63 | 㡎 6 | 娃 | 娃 $\times 1$ |
| ho | 治 | 34 | 牫 | 32 |  | ＋ 30 | 逗 | $3{ }^{3}$ | 30 | 强 | 30 | 议 | 识 |  | 304 3 | 3434 | 3 | c | $3{ }^{2}$ | c |
| ko | 炎 | ） 7 | 牷 | ） |  |  | 次 | 3 | \％ | 炎 | ） | x | 以 |  | \％${ }^{4}$ | \％${ }^{4}$ | ）$)^{4}$ |  | 濐 | 当炎 |
| Io | rin | I | r＇ | \％ |  | Hr | 埌 | ris | r＇ | T＂ | re | re | 以 |  | 碞 | 共谊 | 苜 | r＇ | 成 | 学它 |
| mo | 说 | 岦 | 敨 | 呤 |  | H $\sim_{0}$ | 改 | 2 | 2＇ | 次 | 此 |  | 以 |  | 24. | 24 䇋 | 紊攻 | 23 | 䗉 | 咜此 |
|  | 涢 | 为 | 狘 | 號 |  |  | 設 | 72 | 为 | 悦 | ， |  |  |  | 婚䧊 | 出 3 | $7{ }^{2}$ |  |  | c |
| po | 识 | 24 | 2 | 2 | $2{ }^{\circ}$ | 2 | 伩 | 23 | 22） | 泣 | 说 | 2x | 以 |  | 24 | 24 2 | 20 | $2{ }^{2}$ | 虽 | 苋 |
| ngo | Sil | SI | S发 | S\％ | $\mathrm{SH}^{4}$ |  | SQ | SS | S＇${ }^{\text {a }}$ | St | St | Sx | S |  | S4 S4 | $\mathrm{SH}_{4} 5$ | 5 | Sx | S： | \％ |
| 50／20 |  | 红 | 纹 |  |  | 4 㕸 | 级 | S\％ | 趶 | St | 3 |  |  |  | 线趶 | 吘纹 | 继经 |  | 嗤 | 强织 |
| to |  | で | と | ど |  | ザでく | 设 | ど | で | どく | で | び | 以 |  | でく で | でも | r | c | で | で＜ |
| wo |  | 壮 | 伩 | 呂 | 说 |  | 收 | 42－120 | te | 捝 | 呓 | －$\chi^{1}$ | 识 |  | 弤 4 | 社绶 | 模 | － 4 － | 特 | 㤝䒨 |
|  |  | 嗗 | 忟 |  | H | ＋${ }^{2}$ |  | ＋2 | ＋2 | ＋ | r |  |  |  | 以业 | H1＋4 | 攵誛 | － | 愔 | 愔陀 |
| vo |  | St | 牫 | 攻 |  | ＋ 9 | 攻 | S2 | 残 1 | 㱠 | gt | 致 | 㻇 |  |  | 枵㧞 | 牫理 | 9 c | 9k 㱠 | 㱠 |
| cho |  | 牫 | 政 | 枵 |  | ＋ | 政 | 枵 | 政 | 踥 | 路 |  |  |  | 跲圵 | 此牫 | 政珓 |  | 此琉 | 珓此 |
|  |  | 双 | 奴 |  |  |  | 双 | 奴 | 观 |  | 奴 |  |  |  | 姑奻 | 如 奴 | 娝妇 | 奴妇 | 欢妵 | 双 $\times$ 如 |
| jo | 泣 | 湤 | 㱠 | 绞 |  | ＋ 3 | 致 | 江 | \％ | 洮 | 新 | 议 | 织 |  | 㖪江 | 社洨 | 洨琣 | 洨㘹 | 论浣 | 3， 3 |
|  |  |  | S 3 |  |  |  | S S | Si |  | $5{ }^{\text {c }}$ | St |  |  |  | St St | St St | $5{ }_{5} S_{3}$ |  | Sct 3 | Sts |
| sho | 弦 | St | 晛 | 弡 | 3t | ＋32 | 没 | S 2 |  | 弦 |  |  |  |  | 张驰 | 3） 3 | 峧驻 |  | 3 ${ }^{\text {3 }}$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | \％． 4 | \＆ 4 |  |  |  |  |

Examples：

| Tagalog／ English | LLL | Remarks |
| :---: | :---: | :---: |
| radyo radio | 双 H1 | rad＋yo |
| telepono telephone | 生 「人 S\｜入 | te + le + po＋no |
| gobyerno government |  | gob＋yer＋no |
| mundo world | 收 $<$ | mun＋do |
| Pilipinas Philippines | $\mathcal{L}(\lambda)$ | pi＋li＋pi＋nas |
| yelo <br> ice | 十人 NI | ye＋lo |
| bolpen ballpen | ST1 2 | bol＋pen |
| kompyuter computer | 上L | kom＋p＋yu＋ter |
| ospital hospital | 犸 $<$ | os＋pi＋tal |
| ordinaryo ordinary |  | or＋di＋nar＋yo |
| sapatos shoes | \％ | sa＋pa＋tos |
| sabon soap | \} $\mathrm{S}^{\prime \prime}$ | sa＋bon |
| oras hour／time | \1 ¢ | o＋ras |
| kumusta how are you？ |  | $k u+$ mus + ta |

## Level 3B：Panlapi Equivalents

＂Panlapi＂or prefixes，suffixes and infixes play a vital role in the Tagalog language therefore it is necessary to have equivalent characters for panlapi．

The following are the basic forms of panlapi equivalents：

| No． | LLL | Origin | Equivalent | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 1 | $\perp$ | $T$ | panlaping pang－ulit | inverted Level 1 ＂la＂denotes repetition |
| 2 | $\nabla$ | $\checkmark$ | －an，－han，－nan | pananggal－kudlit＋horizontal stalk for identity |
| 3 | － | 人 | i－ | Level 3 ＂ i ＂＋horizontal stalk for identity |
| 4 | $\nu$ | － | in－，ni－，－in，－hin | i－kudlit＋horizontal stalk for identity |
| 5 | H | 11 | um－ | Level 3 ＂u＂＋horizontal stalk for identity |
| 6 | 7 | エ | ka－，kang－ | truncated Level 1 ＂ka＂ |
| 7 | $M$ | $\bar{M}$ | hi－，hing－ | Level 1 ＂i＂without horizontal stalk |
| 8 | $\checkmark$ | 6 | ma－ | lower part of Level 1 ＂ma＂ |
| 9 | 乙 | 6 | maki－ | panlapi＂ma－＂＋horizontal stalk |
| 10 | $v$ | 6 | mag－ | panlapi＂ma－＂＋vertical stalk |
| 11 | $v$ | 6 | mang－ | panlapi＂ma－＂＋double vertical stalk |
| 12 | $\bigcirc$ | $\uparrow$ | na－ | upper part of Level 1 ＂na＂ |
| 13 | ค | $\uparrow$ | naki－ | panlapi＂na－＂＋horizontal stalk |
| 14 | $n$ | $\uparrow$ | nag－ | panlapi＂na－＂＋vertical stalk |
| 15 | $\pi$ | $\uparrow$ | nang－ | panlapi＂na－＂＋double vertical stalk |
| 16 | $N$ | C | pa－ | Level 3 ＂p＂＋vertical stalk for identity |
| 17 | $\underline{L}$ | C | paki－ | Level 3 ＂ p ＂＋horizontal stalk |
| 18 | 31 | 3 | pag－ | Level 3 ＂g＂＋vertical stalk for identity |
| 19 | 24 | 2 | pang－ | Level 3 ＂ng＂＋vertical stalk for identity |
| 20 | $\cdots$ | を | si－，sing－ | Level 3 ＂s＂＋vertical stalk for identity |
| 21 | $\square$ | て | ta－，tag－，taga－，tig－ | Level 3 ＂ t ＂＋vertical stalk for identity |

The panlapi equivalents can be stacked on top and at the bottom of any root word（brief form， syllabary or tail－syllabary combination），with a maximum of two（2）at the top and one（1）at the bottom． The panlapi equivalents are also modified or simplified when stacked．The table and example below illustrate this stacking principle．

Table of stacked forms：

| LLL | Origin | Equivalent |
| :---: | :---: | :---: |
| 年 | $\perp$ | panlaping pang－ulit |
| 劄 | $\nabla$ | －an，－han，－nan |
| 缶 | － | i－ |
|  | $\lambda$ | in－，ni－，－in，－hin |
| 莐 | H | um－ |
| 兩 | 7 | ka－，kang－ |
|  | $M$ | hi－，hing－ |
| 莎 | $\checkmark$ | ma－ |
| 号钐 | $\smile$ | maki－ |
| ＊${ }_{\text {\％}}^{\text {\％}}$ | $\cdots$ | mag－ |
| 业䋊 | W | mang－ |
| 答 | $\bigcirc$ | na－ |
| 食 | － | naki－ |
| 劄 | $n$ | nag－ |
| 尔㮯 | An | nang－ |
| 寝 | N | pa－ |
| 年年 | S | paki－ |
|  | 31 | pag－ |
|  | 24 | pang－ |
|  | $\cdots$ | sa－ |
|  | ¢ | ta－，tag－，taga－，tig－ |

Stacking examples:


Level 1 kudlit can also be used as follows:


## Level 4A：Heads

Heads are combinations of up to two（2）Level 1 characters（modified baybayin）and serve as phonetic components for secondary brief forms（Level 4B）．

Heads starting with＂a＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| a head | ＜ | ह |  |
| a－ba head | \％ | $\hat{*}+\omega$ |  |
| a－ka head | \％ | $\varepsilon+I$ |  |
| a－da head | と | $\varepsilon+$ ¢ | fusion of＂a＂and＂da＂ |
| a－ga head | \％ | $\theta+3$ | ＂a＂above straightened＂ga＂ |
| a－ha head | $\xi$ | $\varepsilon+\sim$ |  |
| a－la head | 7 | $\varepsilon+T$ |  |
| a－ma head | 6 | $\varepsilon+6$ | fusion of＂a＂and＂ma＂ |
| a－na head | ＊ | $\varepsilon+T$ |  |
| a－pa head | ¢ | $\theta+\square$ | fusion of＂a＂and＂pa＂ |
| a－sa head | 边 | $\varepsilon+35$ | fusion of＂a＂and＂sa＂ |
| a－ta head | $\xi$ | $\varepsilon+\tau$ |  |
| a－wa head | 8 | ह＋り | fusion of＂a＂and＂wa＂ |
| a－ya head | $\xi$ | $\varepsilon+\infty$ | fusion of＂a＂and＂ya＂ |

Heads starting with＂i＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| i head | N | $\bar{M}$ |  |
| i－ba head | 㐫 | $\bar{M}+\omega$ |  |
| i－ka head | 坐 | $\bar{M}+I$ |  |
| i－da head | $\bar{¢}$ | $\bar{M}+$ C |  |
| i－ga head | 3 | $\bar{M}+\zeta$ | truncated＂ i ＂fused with straightened ＂ga＂ |
| i－la head | 平 | $\bar{M}+\bar{T}$ |  |
| i－na head | 坐 | $\bar{M}+\uparrow$ |  |
| i－nga head | $\bar{K}$ | $\bar{M}+2$ | truncated＂i＂fused with＂nga＂ |
| i－sa head | 家 | $\bar{M}+35$ | truncated＂i＂fused with truncated＂sa＂ |
| i－ta head | $\overline{\%}$ | $\bar{M}+\tau$ | truncated＂i＂fused with truncated＂ta＂ |
| i－wa head | $\bar{y}$ | $\bar{M}+\circlearrowright$ | truncated＂i＂fused with truncated＂wa＂ |
| i－ya head | $\overline{8}$ | $\bar{M}+\infty$ | truncated＂i＂fused with truncated＂ya＂ |

Heads starting with "u":

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| u head | 3 | 3 |  |
| u-ba head | ถิ | $3+\omega$ |  |
| u-ga head | 3 | $3+3$ | "u" above straightened "ga" |
| u-ha head | 3 | $3+\sim$ |  |
| u-la head | 3 | $3+T$ |  |
| u-na head | ¢ | $3+\uparrow$ |  |
| u-sa head | 3 | $3+35$ | "u" above "sa" without first stroke |
| u-ta head | $\xi$ | $3+\tau$ |  |

Heads starting with＂ba＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ba head | a | （1） |  |
| ba－ba head | Q | $\hat{\Delta}+$ 人 |  |
| ba－ka head | 生 | $\Delta+エ$ |  |
| ba－da head | Q | $\Delta+$ と |  |
| ba－ga head | \＄ | $\Delta+3$ | ＂ba＂above straightened＂ga＂ |
| ba－ha head | 人 | $\Delta+\sim$ |  |
| ba－la head | 伞 | $\Delta+\top$ |  |
| ba－na head | 啝 | $\Delta+\uparrow$ |  |
| ba－sa head | 害 | 0 人 ${ }^{5}$ | ＂ba＂above＂sa＂without first stroke |
| ba－ta head | 2 | $\Delta+\tau$ |  |
| ba－wa head | $\hat{8}$ | $\Delta+\nu$ |  |
| ba－ya head | 多 | $\Delta+\infty$ |  |

Heads starting with＂ka＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ka head | I | I |  |
| ka－i head | 品 | $I+\bar{M}$ | truncated＂ka＂above＂i＂ |
| ka－ba head | 7 | $\checkmark+\omega$ | truncated＂ka＂above＂ba＂ |
| ka－ga head | 31 | $\coprod+3$ | truncated＂ka＂above＂ga＂ |
| ka－ha head | Z | $\coprod+\sim$ | simplified＂ka＂above＂ha＂ |
| ka－la head | \％ | $I+T$ | truncated＂ka＂above＂la＂ |
| ka－ma head | 7 | $\pi+6$ | truncated＂ka＂above＂ma＂without first stroke |
| ka－na head | 不 | $工+\uparrow$ | truncated＂ka＂above＂na＂ |
| ka－pa head | Z | $\check{J}+\swarrow$ | truncated＂ka＂above＂pa＂without first stroke |
| ka－ta head | そ | $工+\tau$ | truncated＂ka＂above＂ta＂ |

Heads starting with＂da＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| da head | と | と |  |
| da－a head | $\xi$ | と＋ह | ＂da＂above truncated＂a＂ |
| da－i head | $\frac{Y}{M}$ | $\smile+\bar{M}$ |  |
| da－ka head | $\zeta$ | と＋エ |  |
| da－da head | ど | と + と |  |
| da－ga head | $\xi$ | と + ） | ＂da＂above straightened＂ga＂ |
| da－ha head | $\zeta$ | と＋～ |  |
| da－la head | ¢ | と $+T$ |  |
| da－ma head | ह | と + ढ |  |
| da－na head | そ | $と+\uparrow$ |  |
| da－nga head | $\zeta$ | と +2 |  |
| da－ta head | そ | と $+\tau$ |  |

Heads starting with＂ga＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ga head | 3 | $3)$ | straightened＂ga＂ |
| ga－a head | 3 | $ろ+\xi$ | straightened＂ga＂above truncated＂a＂ |
| ga－ba head | 31 | $3+\Delta$ | straightened＂ga＂above truncated＂a＂ |
| ga－da head | 行 | $ろ+$ そ | straightened＂ga＂above＂da＂ |
| ga－la head | 3 | $3+T$ | straightened＂ga＂above＂la＂ |
| ga－ma head | 3 | $3+6$ | straightened＂ga＂above＂ma＂ |
| ga－na head | 年 | $3+\uparrow$ | straightened＂ga＂above＂na＂ |
| ga－pa head | 3 | $ろ+\zeta$ | straightened＂ga＂above＂pa＂without first stroke |
| ga－sa head | 380 | $3+58$ | straightened＂ga＂above＂sa＂without first stroke |
| ga－ta head | 3 | $3+\tau$ |  |

Heads starting with＂ha＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ha head | 1 | $\sim$ | rotated＂ha＂ |
| ha－ba head | $\overline{4}$ | $\sim+\omega$ |  |
| ha－ka head | I | $\sim+I$ |  |
| ha－da head | $\bar{と}$ | $\sim+$ ¢ |  |
| ha－ga head | $\overline{3}$ | $\sim+3$ | ＂ha＂above straightened＂ga＂ |
| ha－la head | T | $\sim+T$ |  |
| ha－na head | T | $\sim+\uparrow$ |  |
| ha－nga head | $\overline{2}$ | $\sim+2$ |  |
| ha－pa head | $\bar{\swarrow}$ | $\sim+\zeta$ |  |
| ha－sa head | 榱 | $\sim+38$ |  |
| ha－ta head | テ | $\sim+\tau$ |  |
| ha－wa head | $\bar{\nu}$ | $\sim+\circlearrowright$ |  |
| ha－ya head | $\bar{\infty}$ | $\sim+\infty$ |  |

Heads starting with＂la＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| la head | $\uparrow$ | $T$ |  |
| la－i head | F | $T+\bar{M}$ | ＂i＂inside＂la＂ |
| la－ba head | $\sqrt{1}$ | $T+\omega$ | ＂ba＂inside＂la＂ |
| la－ka head | I | $T+I$ | ＂ka＂inside＂la＂ |
| la－da head | F | $T+$ T | ＂da＂inside＂la＂ |
| la－ga head | F10 | $T+3)$ | straightened＂ga＂inside＂la＂ |
| la－ha head | $F$ | $T+\sim$ | ＂ha＂inside＂la＂ |
| la－la head | 「T | $T+T$ | ＂la＂inside＂la＂ |
| la－ma head | $\sqrt{6}$ | $T+6$ | ＂ma＂inside＂la＂ |
| la－na head | ¢ | $T+T$ | ＂na＂inside＂la＂ |
| la－nga head | $\sqrt{2}$ | $T+2$ | ＂nga＂inside＂la＂ |
| la－pa head | 厷 | $T+a$ | ＂pa＂inside＂la＂ |
| la－sa head | 欧 | $T+36$ | ＂sa＂inside＂la＂ |
| la－ta head | F | $T+\tau$ | ＂ta＂inside＂la＂ |
| la－wa head | F | $T+\circlearrowright$ | ＂wa＂inside＂la＂ |

Heads starting with "ma" and "na":

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ma head | $\zeta$ | $\zeta$ |  |
| ma-ha head | $\zeta$ | $\zeta+\sim$ |  |
| ma-la head | $\zeta$ | $\zeta+\tau$ |  |
| na-i head | $\frac{T}{M}$ | $\uparrow+\bar{M}$ |  |
| na-ka head | $\Phi$ | $\uparrow+\tau$ |  |
| na-na head | $\Phi$ | $\uparrow+\uparrow$ |  |
| na-pa head | $\overparen{G}$ | $\uparrow+\tau$ | "na" above "pa" without first stroke |

Heads starting with＂pa＂and＂nga＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| pa head | $\zeta$ | a |  |
| pa－u head | $\xi$ | $a+3$ | ＂pa＂without last stroke above＂u＂ |
| pa－da head | §̧ | ひ + と | ＂pa＂without last stroke above＂da＂ |
| pa－ga head | हो | ひ | ＂pa＂without last stroke above straightened＂ga＂ |
| pa－la head | ¢ | $a+T$ | ＂pa＂without last stroke above＂la＂ |
| pa－na head | ¢ | $u+\uparrow$ | ＂pa＂without last stroke above＂na＂ |
| pa－nga head | $\zeta$ | $a+2$ | ＂pa＂without last stroke above＂nga＂ |
| pa－pa head | દ | $ひ+ひ$ | ＂pa＂without last stroke above＂pa＂ without first stroke |
| pa－sa head | 安 | $a+3 s^{2}$ | ＂pa＂without last stroke above＂sa＂ without first stroke |
| pa－ta head | $\varepsilon$ | $u+\tau$ | ＂pa＂without last stroke above＂ta＂ |
| pa－wa head | ל | $u+已$ | ＂pa＂without last stroke above＂wa＂ |
| pa－ya head | \％ | $ひ+\infty$ | ＂pa＂without last stroke above＂ya＂ without first stroke |
| nga head | 2 | 2 |  |
| nga－la head | 3 | $2+T$ |  |
| nga－pa head | 公 | $2+\pi$ |  |

Heads starting with＂sa＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| sa head | g | 35 |  |
| sa－u head | 3 | $35+3$ |  |
| sa－ba head | 令 | $35+0$ |  |
| sa－ka head | 空 | $36+$ I |  |
| sa－da head | 会 | $35+$ ¢ |  |
| sa－ga head | S | $35+3)$ | ＂sa＂above straightened＂ga＂ |
| sa－ha head | \％ | $35+\sim$ |  |
| sa－la head | 圱 | $35+T$ |  |
| sa－ma head | 合 | $35+6$ |  |
| sa－na head | 尔 | $35+\uparrow$ |  |
| sa－pa head | \＆ | $35+\square$ | ＂sa＂above＂pa＂without first stroke |
| sa－sa head | 管 | $35+35$ | ＂sa＂above＂sa＂without first stroke |
| sa－wa head | 令 | $35+\circlearrowright$ |  |
| sa－ya head | 分 | $35+\infty$ | fusion of＂sa＂and＂ya＂ |

Heads starting with＂ta＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ta head | C | て |  |
| ta－a head | を | $\tau+\varepsilon$ | ＂a＂inside＂ta＂ |
| ta－u head | （3） | $\tau+3$ | ＂u＂inside＂ta＂ |
| ta－ba head | （a） | $\tau+\omega$ | ＂ba＂inside＂ta＂ |
| ta－ka head | T | $\tau+エ$ | ＂ka＂inside＂ta＂ |
| ta－da head | を | $\tau+$ と | ＂da＂inside＂ta＂ |
| ta－ga head | （17） | $\tau+3$ | straightened＂ga＂inside＂ta＂ |
| ta－ha head | $\zeta$ | $\tau+\sim$ |  |
| ta－i head | （ | $\tau+\bar{M}$ | ＂i＂inside＂ta＂ |
| ta－la head | T | $\tau+T$ | ＂la＂inside＂ta＂ |
| ta－ma head | 6 | $\tau+6$ | ＂ma＂inside＂ta＂ |
| ta－na head | ¢ | $\tau+\uparrow$ | ＂na＂inside＂ta＂ |
| ta－nga head | K | $\tau+2$ | ＂nga＂inside＂ta＂ |
| ta－pa head | 荷 | $\tau+\zeta$ | ＂pa＂inside＂ta＂ |
| ta－sa head | 笑 | $\tau+35$ | ＂sa＂inside＂ta＂ |
| ta－ta head | た | $\tau+\tau$ | ＂ta＂inside＂ta＂ |
| ta－wa head | ® | $\tau+\circlearrowright$ | ＂wa＂inside＂ta＂ |
| ta－ya head | （6） | $\tau+\infty$ | ＂ya＂inside＂ta＂ |

Heads starting with＂wa＂and＂ya＂：

| Head Name | Head | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| wa head | 〕 | 〕 |  |
| wa－ka head | 나 | $\circlearrowright+エ$ |  |
| wa－la head | 早 | $\circlearrowright+\tau$ |  |
| wa－sa head | \％ | $y+35$ | ＂wa＂above＂sa＂without first stroke |
| wa－ta head | 2 | $\circlearrowright+\tau$ |  |
| ya head | $\delta$ | $\infty$ | rotated＂ya＂ |
| ya－ba head | \％ | $\omega+\omega$ |  |
| ya－ka head | \％ | $\infty+I$ |  |
| ya－ma head | 6 | $\infty+6$ | ＂ya＂above＂ma＂without first stroke |

## Level 4B：Secondary Brief Forms

Each of the 119 tails bears four（4）brief forms，and they represent the additional commonly used words in Tagalog（aside from the ones represented by the fundamental and primary brief forms）．There are 119 $x 4=576$ secondary brief forms．A secondary brief form is composed of a head（Level 4A）and a tail （Level 2A）．

Brief forms under alam tail：

| No． | Word | LLL | $\begin{gathered} \text { Origin } \\ \text { (Head+Tail) } \end{gathered}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 1 | alam | 龧 | 字＋チ | a－la head＋alam tail |
| 2 | aral | （̌） | $\cdots+\Varangle$ | a－da head＋alam tail |
| 3 | dunong | 稆 | $\check{¢}+\Varangle$ | da－na head＋alam tail |
| 4 | tuto | （\％ | て + ¢ | ta head＋alam tail |
| 5 | agham | 気多 | 完 + 多 | a－ga head＋agham tail |
| 6 | sanay | 第 | 救＋多 | sa－na head＋agham tail |
| 7 | subok | 嵺多 | 䢒＋多 | sa－ba head＋agham tail |
| 8 | tuos | 敄 | $\sqrt{3}+3$ | ta－u head＋agham tail |
| 9 | ilaw | 䩒 | 车＋甾 | i－la head＋ilaw tail |
| 10 | labo | T\} | $T+$ 亩 | la head＋ilaw tail |
| 11 | linaw | 「阿 | 布＋名 | la－na head＋ilaw tail |
| 12 | liwanag | 硙 | $\sqrt{0}+\underline{y}$ | la－wa head＋ilaw tail |
| 13 | dilim | 後 | $\zeta+\zeta$ | da－la head＋dilim tail |
| 14 | anino | 紵 | 宥 + \％ | a－na head＋dilim tail |
| 15 | hiwaga |  | $\bar{y}+\xi$ | ha－wa head＋dilim tail |
| 16 | hula | 13 | $1+\xi$ | ha head＋dilim tail |
| 17 | sining | 第 | 染＋多 | sa－na head＋sining tail |
| 18 | awit | $y^{3}$ | （）+3 | a－wa head＋sining tail |
| 19 | sayaw | 攽 | 令＋多 | sa－ya head＋sining tail |
| 20 | tula | て多 | て＋ | ta head＋sining tail |
| 21 | titik | （f） | を＋多 | ta－ta head＋titik tail |
| 22 | aklat | 玫 | 䒠＋多 | a－la head＋titik tail |
| 23 | basa | 匈 | $0+$ \％ | ba head＋titik tail |
| 24 | sulat | 卒予 | 準＋多 | sa－la head＋titik tail |
| 25 | wika | （6） | $y+6$ | wa head＋wika tail |
| 26 | usap | 预 6 | 令 +6 | u－sa head＋wika tail |
| 27 | salita | 辣 | 算＋可 | sa－la head＋salita tail |
| 28 | tawag | （06） | を＋¢ | ta－wa head＋tawag tail |

Brief forms under isip tail：

| No． | Word | LLL | $\begin{array}{c\|} \hline \text { Origin } \\ \text { (Head+Tail) } \end{array}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 29 | isip | 领 | $\bar{S}+\\|$ | i－sa head＋isip tail |
| 30 | akala | 剈 | 童 + U | a－ka head＋isip tail |
| 31 | alaala | 친 | 䒠 + U | a－la head＋isip tail |
| 32 | unawa | 视 |  | u－na head＋isip tail |
| 33 | baliw | 棫 | 伞＋戓 | ba－la head＋baliw tail |
| 34 | limot | 厉碞 | $\sqrt{6}+4$ | la－ma head＋baliw tail |
| 35 | lito | T或 | $T+4$ | la head＋baliw tail |
| 36 | taka | C ${ }^{4}$ | て +4 | ta head＋baliw tail |
| 37 | galit | 斗年 | 年 + 歳 | ga－la head＋galit tail |
| 38 | ayaw | 它低 | $\delta+\frac{4}{k}$ | a－ya head＋galit tail |
| 39 | inis | 紋 | 夾 + 晨 | i－na head＋galit tail |
| 40 | inggit | 歼 | 为 + 晨 | i－ga head＋galit tail |
| 41 | lungkot | 珤 | 圧＋出 | la－ka head＋lungkot tail |
| 42 | iyak | 㱠 | $\bar{\delta}+4$ | i－ya head＋lungkot tail |
| 43 | lumbay | 酰 | $\sqrt{6}+$ 出 | la－ba head＋lungkot tail |
| 44 | luha | TH | $T+$ H | la head＋lungkot tail |
| 45 | puso | Cut | $\zeta+4$ | pa head＋puso tail |
| 46 | ibig | 倹物 | $\overline{\widetilde{\omega}}+{ }^{4}$ | i－ba head＋puso tail |
| 47 | dama | CH | と + 场 | da head＋puso tail |
| 48 | nais | 觻 | $\frac{1}{4}+\frac{4}{4}$ | na－i head＋puso tail |
| 49 | saya | 絊 | $y+4$ | sa head＋saya tail |
| 50 | ligaya | 陼 | 防 + 生 | la－ga head＋saya tail |
| 51 | sarap | 篤 | 告 + 生 | sa－da head＋saya tail |
| 52 | tuwa | Cu | て + 寿 | ta head＋saya tail |
| 53 | takot | 戟 | 矿＋年 | ta－ka head＋takot tail |
| 54 | kaba | 杫 | $I+$ 年 | ka head＋takot tail |
| 55 | gulat | 将 | 年＋年 | ga－la head＋takot tail |
| 56 | bulaga | 棫 | 伞＋年 | ba－la head＋takot tail |

Brief forms under ulo tail：

| No． | Word | LLL | Origin （Head＋Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 57 | ulo | $3<$ | $3+\varepsilon$ | u－－head＋ulo tail |
| 58 | utak | 甠 | $\xi+\varepsilon$ | u－ta head＋ulo tail |
| 59 | buhok | 㰯 | $\hat{\theta}+\varepsilon$ | ba－ha head＋ulo tail |
| 60 | mukha | 6 | $\underline{6}+\varepsilon$ | ma－ha head＋ulo tail |
| 61 | ilong | 靱 | 车 + § | i－la head＋ilong tail |
| 62 | amoy | 比 | $\stackrel{\xi}{6}$ | a－ma head＋ilong tail |
| 63 | bango | QE | $0+\mathbb{E}$ | ba head＋ilong tail |
| 64 | bantot | 洤 | $\underline{\text { 人 }}+\sqrt{\text { e }}$ | ba－ta head＋ilong tail |
| 65 | bibig | 诒尼 | 合＋区 | ba－ba head＋bibig tail |
| 66 | bulong | 轺 | 伞 + 厄 | ba－lahead＋bibig tail |
| 67 | sigaw |  | \％${ }^{\text {H }}$ | sa－ga head＋bibig tail |
| 68 | ngiti | ）દ | 人 + 区 | nga head＋bibig tail |
| 69 | dila | と区 | と + 厄 | da head＋dila tail |
| 70 | alat | 㖪 | 军＋区 | a－la head＋dila tail |
| 71 | asim | ※® | 岁 + を | a－sa head＋dila tail |
| 72 | tamis | 㛡 | を + を | ta－ma head＋dila tail |
| 73 | mata | 68 | $6+$ ¢ | ma head＋mata tail |
| 74 | hanap | 帕 | $\bar{T}+$ ¢ | ha－na head＋mata tail |
| 75 | pansin | 殒 | 安 + ¢ | pa－sa head＋mata tail |
| 76 | tingin | 「区 | を + を | ta－nga head＋mata tail |
| 77 | ngipin | 詆 | 交 + を | nga－pa head＋ngipin tail |
| 78 | kagat | 弤 | $z_{1}+\varepsilon$ | ka－ga head＋ngipin tail |
| 79 | nguya | ）\＆ | $2+\varepsilon$ | nga head＋ngipin tail |
| 80 | pangil | 「® | $\zeta+\varepsilon$ | pa－nga head＋ngipin tail |
| 81 | tainga | 漦 | を + を | ta－nga head＋tainga tail |
| 82 | ingay | 旼 | $\bar{\chi}+\check{y}$ | i－nga head＋tainga tail |
| 83 | dinig | そた | $\check{ヶ}+$ を | da－na head＋tainga tail |
| 84 | tunog | 砍 | ¢ + を | ta－na head＋tainga tail |

Brief forms under buhay tail：

| No． | Word | LLL | $\begin{gathered} \text { Origin } \\ \text { (Head+Tail) } \end{gathered}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 85 | buhay | 03 | $\underline{\theta}+3$ | ba－ha head＋buhay tail |
| 86 | dugo | YB | と＋B | da head＋buhay tail |
| 87 | hinga | 13 | $1+3$ | ha head＋buhay tail |
| 88 | ligtas | FO3 | $\sqrt{r}+B$ | la－ta head＋buhay tail |
| 89 | inom | 疑 | 平 + 为 | i－na head＋inom tail |
| 90 | alak | 积 | 完＋\＆ | a－la head＋inom tail |
| 91 | uhaw | 30 | $3+\theta$ | u－ha head＋inom tail |
| 92 | lasing | 防禹 | 㕆 +0 | la－sa head＋inom tail |
| 93 | bahay | 003 | $\theta+\theta$ | ba－ha head＋bahay tail |
| 94 | gusali | 3 | 答 +8 | ga－sa head＋bahay tail |
| 95 | silid | 晏気 | 算＋ | sa－la head＋bahay tail |
| 96 | tira | T3 | て＋B | ta head＋bahay tail |
| 97 | kain | 傦 | 乭 $+\theta$ | ka－i head＋kain tail |
| 98 | ulam | 玿 | 予＋而 | u－la head＋kain tail |
| 99 | kanin | 码 | 不 $+\theta$ | ka－na head＋kain tail |
| 100 | gutom | 318 | 约 $+\theta$ | ga－ta head＋kain tail |
| 101 | damit | Ȩ | $\xi+B$ | da－ma head＋damit tail |
| 102 | bihis | OX | $\theta+\theta$ | ba－ha head＋damit tail |
| 103 | hubad | 的 $\bar{B}$ | $\bar{Q}+\bar{B}$ | ha－ba head＋damit tail |
| 104 | suot | 3 | $3{ }_{3}+8$ | sa－u head＋damit tail |
| 105 | patay | 里约 | $\xi+3$ | pa－ta head＋patay tail |
| 106 | bangkay | 銆 | 生＋B | ba－ka head＋patay tail |
| 107 | libing | 晾 | $\sqrt{4}+3$ | la－ba head＋patay tail |
| 108 | panaw | 祖 | 库 +3 | pa－na head＋patay tail |
| 109 | tulog | T8 | ¢ + 为 | ta－la head＋tulog tail |
| 110 | antok | 家 | $\xi+\theta$ | a－ta head＋tulog tail |
| 111 | gising | 发可 | 坔 +8 | ga－sa head＋tulog tail |
| 112 | malay | 倝 | 㔬＋ 8 | ma－la head＋tulog tail |

Brief forms under kilos tail：

| No． | Word | Level 4 | $\begin{array}{\|c\|} \hline \text { Origin } \\ \text { (Head+Tail) } \end{array}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 113 | kilos | 不 | z +5 | ka－la head＋kilos tail |
| 114 | galaw | 颗 | 年＋5 | ga－la head＋kilos tail |
| 115 | tigil | 砍 | 南＋5 | ta－ga head＋kilos tail |
| 116 | tuluy | T5 | 『＋5 | ta－la head＋kilos tail |
| 117 | alis | 镩 | 早＋［ | a－la head＋alis tail |
| 118 | iwan | 偒 | $\bar{y}+$ | i－wa head＋alis tail |
| 119 | lipad | 能 | 鲝＋ | la－pa head＋alis tail |
| 120 | tungo | （\％） | て＋近 | ta head＋alis tail |
| 121 | bigay | 施 | 免 +5 | ba－ga head＋bigay tail |
| 122 | abot | 产 | 产 $+\sqrt{5}$ | a－ba head＋bigay tail |
| 123 | baya | 㫿 | 0 ＋${ }^{5}$ | ba－ba head＋bigay tail |
| 124 | laya | T3 | $T+\sqrt{5}$ | la－ba head＋bigay tail |
| 125 | kuha | I5 | $I+\sqrt{5}$ | ka head＋kuha tail |
| 126 | agaw | 产 | 耍＋F | a－ga head＋kuha tail |
| 127 | nakaw | 牫 | I＋F | na－ka head＋kuha tail |
| 128 | tanggap | 堅 | 百 $+\sqrt{\text { F }}$ | ta－ga head＋kuha tail |
| 129 | dating | 根 | $\xi+\underline{\square}$ | da－ta head＋dating tail |
| 130 | ulit | 旿 | 予＋区 | a－la head＋dating tail |
| 131 | balik | 辂 | 冞 $+\underline{5}$ | ba－la head＋dating tail |
| 132 | bawi | ds | $\Delta+\bar{\square}$ | ba－la head＋dating tail |
| 133 | laban | 粊 | 晒＋$\ddagger$ | la－ba head＋laban tail |
| 134 | away | ＊） | $y+5$ | a－wa head＋laban tail |
| 135 | digma | Et | $\xi+\ddagger$ | da－ma head＋laban tail |
| 136 | laro | T5 | $T+\ddagger$ | la－ma head＋laban tail |
| 137 | tanggol | 咟 | 面 + 巨 | ta－ga head＋tanggol tail |
| 138 | bakod | 釷 | 生＋§ | ba－ka head＋tanggol tail |
| 139 | bantay | 妸 | 2 + § | ba－ta head＋tanggol tail |
| 140 | hadlang | 千口 | $\overline{+}+\underline{\square}$ | ha－la head＋tanggol tail |

Brief forms under daigdig tail：

| No． | Word | LLL | Origin <br> （Head＋Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 197 | harap | $\bar{\Sigma}$ | $\bar{\varepsilon}+1$ | ha－da head＋harap tail |
| 198 | bukas | 全1 | 全＋1 | ba－ka head＋harap tail |
| 199 | kabila | 71 | $\overline{2}+1$ | ka－ba head＋harap tail |
| 200 | labas | ｜ 0 ｜ | $\sqrt{a}+1$ | la－ba head＋harap tail |
| 201 | baba | A3 | $\alpha+\beta$ | ba head＋baba tail |
| 202 | bagsak | 㑒 ${ }^{\text {\％}}$ | 食 + \％ | ba－sa head＋baba tail |
| 203 | hulog | 下队 | $\bar{\tau}+\beta$ | ha－la head＋baba tail |
| 204 | timog | 奇 | 犮 $+\boldsymbol{\beta}$ | ta－ma head＋baba tail |
| 205 | kaliwa | 7 | F $+\frac{1}{+}$ | ka－la head＋kaliwa tail |
| 206 | kanan | 予 | 不 + 京 | ka－na head＋kaliwa tail |
| 207 | gilid | 斗 | 年 $+\frac{1}{+}$ | ga－la head＋kaliwa tail |
| 208 | tabi | ¢ | $\tau+\frac{1}{+}$ | ta head＋kaliwa tail |
| 209 | likod | 平 1 | $\bar{I}+\frac{1}{1}$ | la－ka head＋likod tail |
| 210 | pasok | 安1 | $\stackrel{2}{5}+\frac{1}{1}$ | pa－sa head＋likod tail |
| 211 | takip | 发 | 发 $+\frac{1}{1}$ | ta－ka head＋likod tail |
| 212 | tago | （1 | $\tau+\frac{1}{1}$ | ta head＋likod tail |
| 213 | simula | ¢\％ |  | sa－ma head＋simula tail |
| 214 | ugat | $3{ }_{3}$ | ${ }_{3}^{3}+{ }_{1}$ | u－ga head＋simula tail |
| 215 | sanhi | 合管 | 类 $+\frac{1}{6}$ | sa－ha head＋simula tail |
| 216 | tanong | 隹 | 市 + ¢ | ta－na head＋simula tail |
| 217 | taas | をर | を + ¢ | ta－a head＋taas tail |
| 218 | akyat | हो | $\xi+\frac{1}{t}$ | a－ya head＋taas tail |
| 219 | hilaga | 㣛 | $\bar{\tau}+\frac{1}{\text { ¢ }}$ | ha－la head＋taas tail |
| 220 | sikat | 枵 | 公 + 市 | sa－ka head＋taas tail |
| 221 | wakas | 呚 | 里 $+\stackrel{4}{4}$ | wa－ka head＋wakas tail |
| 222 | hangga | $\overline{31 \%}$ | $\overline{3}+{ }^{\prime \prime}$ | ha－ga head＋wakas tail |
| 223 | sagot | 3\％ | 令 + 的 | sa－ga head＋wakas tail |
| 224 | tapos | 瓜 | 㐫 + 水 | ta－pa head＋wakas tail |

Brief forms under ganda tail：

| No． | Word | LLL | Origin <br> （Head＋Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 169 | ganda | ぞく | k $+\mathfrak{k}$ | ga－da head＋ganda tail |
| 170 | uri | $3 k$ | $3+k$ | u head＋ganda tail |
| 171 | pangit | SK | $\zeta+k$ | pa－nga head＋ganda tail |
| 172 | sariwa | 㭖 | $\ddot{*}+k$ | sa－da head＋ganda tail |
| 173 | anyo | 妦 | $\xi+$ 房 | a－ya head＋anyo tail |
| 174 | gaya | 引降 | $3+$ 房 | ga head＋anyo tail |
| 175 | hugis | 引䢍 | $\overline{3}+\sqrt{5}$ | ha－ga head＋anyo tail |
| 176 | larawan | 「㹣 | $\bar{r}+\sqrt{5}$ | la－da head＋anyo tail |
| 177 | kulay | 梹 | $\underset{T}{\text { F }}$ | ka－la head＋kulay tail |
| 178 | bughaw | 人兵 | 人＋E | ba－ha head＋kulay tail |
| 179 | dilaw | 生 | ¢＋E | da－la head＋kulay tail |
| 180 | pula | 任 | $\zeta+E$ | pa head＋kulay tail |
| 181 | gulang | 头 | 斗 $+k$ | ga－la head＋gulang tail |
| 182 | bago | Qr | $\alpha+k$ | ba head＋gulang tail |
| 183 | luma | TK | $T+\xi$ | la head＋gulang tail |
| 184 | tanda | ぞく |  | ta－da head＋gulang tail |
| 185 | lakas |  | $\sqrt{I}+\sqrt{1}$ | la－ka head＋lakas tail |
| 186 | hina | $1 ⿷$ | $1+\mathbb{I}$ | ha head＋lakas tail |
| 187 | tibay | （紬 | $\pi+\pi$ | ta－ba head＋lakas tail |
| 188 | tigas | 令发 | （ $\sqrt{1}+\sqrt{1}$ | ta－ga head＋lakas tail |
| 189 | puti | Cb | $G+\sqrt{5}$ | pa head＋puti tail |
| 190 | itim | 「島 | $\bar{¢}+\sqrt{5}$ | i－ta head＋puti tail |
| 191 | dumi | と急 | V＋K | da head＋puti tail |
| 192 | linis | 佈 | 辰＋后 | la－na head＋puti tail |
| 193 | talas | 形 | ¢ $+\sqrt{6}$ | ta－la head＋talas tail |
| 194 | kinis | 䂙 | 不 $+\sqrt{5}$ | ka－na head＋talas tail |
| 195 | gaspang | 気 | $\vec{a}+\vec{b}$ | ga－pa head＋talas tail |
| 196 | purol | そj | $\xi+\sqrt{k}$ | pa－da head＋talas tail |

Brief forms under harap tail：

| No． | Word | LLL | Origin <br> （Head＋Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 197 | harap | $\bar{\Sigma}$ | $\bar{\varepsilon}+1$ | ha－da head＋harap tail |
| 198 | bukas | 全｜ | 生＋ 1 | ba－ka head＋harap tail |
| 199 | kabila | Z1 | $2+1$ | ka－ba head＋harap tail |
| 200 | labas | $\|\stackrel{\omega}{\omega}\|$ | $\sqrt{a}+1$ | la－ba head＋harap tail |
| 201 | baba | A3 | $\alpha+\beta$ | ba head＋baba tail |
| 202 | bagsak | 食 | 食 + 全 | ba－sa head＋baba tail |
| 203 | hulog | 干宁 | $\bar{\top}+\beta$ | ha－la head＋baba tail |
| 204 | timog |  | 面 $+\mathfrak{k}$ | ta－ma head＋baba tail |
| 205 | kaliwa | 7 | F $+\frac{1}{+}$ | ka－la head＋kaliwa tail |
| 206 | kanan | 布 | 不 + ＋ | ka－na head＋kaliwa tail |
| 207 | gilid | 斗 | 年＋＋ | ga－la head＋kaliwa tail |
| 208 | tabi | C | $\tau+\frac{1}{+}$ | ta head＋kaliwa tail |
| 209 | likod | 粎 1 | $\sqrt{1}+\frac{1}{1}$ | la－ka head＋likod tail |
| 210 | pasok | 安1 | $\stackrel{2}{5}+\frac{1}{1}$ | pa－sa head＋likod tail |
| 211 | takip | 左直 | 发 $+\frac{1}{1}$ | ta－ka head＋likod tail |
| 212 | tago | （1） | $\tau+\frac{1}{1}$ | ta head＋likod tail |
| 213 | simula | 枵 |  | sa－ma head＋simula tail |
| 214 | ugat | $3{ }_{3}$ | ${ }_{31}^{3}+\frac{k}{k}$ | u－ga head＋simula tail |
| 215 | sanhi | 合产 | $\stackrel{y}{6}+\frac{1}{6}$ | sa－ha head＋simula tail |
| 216 | tanong | 而守 |  | ta－na head＋simula tail |
| 217 | taas | 区ソ | を $+\frac{1}{\text { ¢ }}$ | ta－a head＋taas tail |
| 218 | akyat | है | $\xi+\frac{1}{1}$ | a－ya head＋taas tail |
| 219 | hilaga | 浐 | $\bar{\tau}+\frac{1}{\text { ¢ }}$ | ha－la head＋taas tail |
| 220 | sikat | 部 | 公 + 市 | sa－ka head＋taas tail |
| 221 | wakas | 咜 | 全 + 食 | wa－ka head＋wakas tail |
| 222 | hangga | $\overline{3 k}$ | $\overline{3}+\cdots$ | ha－ga head＋wakas tail |
| 223 | sagot | 3＊ | 约 + 的 | sa－ga head＋wakas tail |
| 224 | tapos | 灰 | 㐫 + 水 | ta－pa head＋wakas tail |

Brief forms under likas tail：

| No． | Word | LLL | $\left\lvert\, \begin{gathered} \text { Origin } \\ \text { (Head+Tail) } \end{gathered}\right.$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 225 | likas | ［I］ | 「 +7 | la－ka head＋likas tail |
| 226 | aso | ＜ | $\varepsilon+.7$ | a head＋likas tail |
| 227 | hayop | 効 | $\bar{\alpha}+.7$ | ha－ya head＋likas tail |
| 228 | pusa | $G 7$ | $\checkmark+.7$ | pa head＋likas tail |
| 229 | ibon | 邴 | $\overline{\text { 人 }}+\exists$ | i－ba head＋ibon tail |
| 230 | isda | 敢 | $\bar{¢}+\exists$ | i－da head＋ibon tail |
| 231 | butiki | 羽 | $\underline{Q}+\exists$ | ba－ta head＋ibon tail |
| 232 | palaka | 羽 | $\xi+\exists$ | pa－la head＋ibon tail |
| 233 | kulisap | 㣙 | Z + 可 | ka－la head＋kulisap tail |
| 234 | balang | 妇 | 伞 + 可 | ba－la head＋kulisap tail |
| 235 | langgam | 阿 | 防 + 可 | la－ga head＋kulisap tail |
| 236 | langaw | 「习 | 「 + 可 | la－nga head＋kulisap tail |
| 237 | damo | Y］ | と＋コ | da head＋damo tail |
| 238 | baging | 创］ | 合 + ］ | ba－ga head＋damo tail |
| 239 | gulay | 斗 | 平＋］ | ga－la head＋damo tail |
| 240 | palay | ¢ | ¢＋］ | pa－la head＋damo tail |
| 241 | halaman | 羽 | 〒＋7 | ha－la head＋halaman tail |
| 242 | bulaklak | 㚈 | 单 +7 | ba－la head＋halaman tail |
| 243 | dahon | ¢7 | $\zeta+7$ | da－ha head＋halaman tail |
| 244 | tanim | 阿 | ¢ +7 | ta－na head＋halaman tail |
| 245 | langis | 叫1 | $\sqrt{\text { r }}+7$ | la－nga head＋langis tail |
| 246 | uling | 到 | 予＋ 7 | u－la head＋langis tail |
| 247 | bulak | 粗 | 半＋7 | ba－la head＋langis tail |
| 248 | supot | 恻 | 炎＋I | sa－pa head＋langis tail |
| 249 | puno | 行 | $\zeta+1$ | pa head＋puno tail |
| 250 | kahoy | 水 | $z+1$ | ka－la head＋puno tail |
| 251 | gubat | 缡 | 3 ${ }^{3}+1$ | ga－ba head＋puno tail |
| 252 | sanga | 如 | $y+1$ | sa head＋puno tail |

Brief forms under mahal tail：

| No． | Word | LLL | $\begin{array}{\|c\|} \hline \text { Origin } \\ (\text { Head+Tail }) \end{array}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 253 | mahal | 65 | $\zeta+\zeta$ | ma－ha head＋mahal tail |
| 254 | alaga | \％ | $\xi+\zeta$ | a－la head＋mahal tail |
| 255 | ingat | $\overline{\text { Ǩ }}$ | $\bar{\chi}+\delta$ | i－nga head＋mahal tail |
| 256 | kalinga | そう | $Z+\delta$ | ka－la head＋mahal tail |
| 257 | anak | 栓 | 家 + 多 | a－na head＋anak tail |
| 258 | apo | 23 | 交 + 多 | a head＋anak tail |
| 259 | itlog | 平多 | 坐 + 多 | i－la head＋anak tail |
| 260 | sanggol | 魿 | 结 + 全 | sa－ga head＋anak tail |
| 261 | ina | 䦠 | $\bar{N}+6$ | i head＋ina tail |
| 262 | ama | ＜2 | $\dot{r}+\boldsymbol{y}$ | a head＋ina tail |
| 263 | nanay | 粅 | 小 $+\sqrt{6}$ | na－na head＋ina tail |
| 264 | tatay | Fry | を $+\sqrt{\text { a }}$ | ta－ta head＋ina tail |
| 265 | babae | 脕 | 曹＋\％ | ba－ba head＋babae tail |
| 266 | dalaga | 个8 | ¢ +8 | da－la head＋babae tail |
| 267 | ginang | 誛 3 | 等 +6 | ga－na head＋babae tail |
| 268 | ale | （2） | 它 + 全 | a head＋babae tail |
| 269 | kapatid | 73 | $\vec{a}+\frac{8}{7}$ | ka－pa head＋kapatid tail |
| 270 | ate | 23 | $\vec{z}+\frac{8}{}$ | a head＋kapatid tail |
| 271 | kuya | I8 | $I+3$ | ka head＋kapatid tail |
| 272 | pinsan | 家 8 | 客 + 多 | pa－sa head＋kapatid tail |
| 273 | lalaki | TTb | $\bar{T}+\emptyset$ | la－la head＋lalaki tail |
| 274 | binata | 剱 | 冞 + 仡 | ba－na head＋lalaki tail |
| 275 | ginoo | 㷌 | 等 + 可 | ga－na head＋lalaki tail |
| 276 | mang | 60 | $6+b$ | ma head＋lalaki tail |
| 277 | talik | （T3） | T + 全 | ta－la head＋talik tail |
| 278 | asawa | W3 | B + 方 | a－sa head＋talik tail |
| 279 | halik | 7\％ | $\overline{\text { T }}+\sqrt{\text { z }}$ | ha－la head＋talik tail |
| 280 | yakap | 枵 | 里 + 各 | ya－ka head＋talik tail |

Brief forms under buti tail：

| No． | Word | LLL | $\begin{array}{c\|} \hline \text { Origin } \\ \text { (Head+Tail) } \end{array}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 281 | buti | ab | $\omega+\downarrow$ | ba head＋buti tail |
| 282 | banal | 叙 | 采＋ل | ba－na head＋buti tail |
| 283 | galing | 斗 | 车＋$\downarrow$ | ga－la head＋buti tail |
| 284 | husay | 额 | $\overline{\text { s }}+\downarrow$ | ha－sa head＋buti tail |
| 285 | asa | 㖪 | と + 考 | a head＋asa tail |
| 286 | alinlangan | 轱 | 䒠＋音 | a－la head＋asa tail |
| 287 | sampalataya | 炎患 | 妥 + 考 | sa－pa head＋asa tail |
| 288 | tiwala | 峣 | 『＋离 | ta－wa head＋asa tail |
| 289 | biyaya | 剱 | 食＋安 | ba－ya head＋biyaya tail |
| 290 | awa | 名 | $\vec{z}+\dot{\xi}$ | a head＋biyaya tail |
| 291 | gamot | 213 |  | ga－ma head＋biyaya tail |
| 292 | tulong | 秥 | ¢＋它 | ta－la head＋biyaya tail |
| 293 | dalangin | 行 | ¢＋¢ | da－la head＋dalangin tail |
| 294 | hiram | 㸾 | $\bar{\tau}+\underset{\text { c }}{ }$ | ha－da head＋dalangin tail |
| 295 | hiling | 狍 | 〒＋克 | ha－la head＋dalangin tail |
| 296 | hingi | ｜ | $1+\frac{1}{3}$ | ha head＋dalangin tail |
| 297 | lingkod | 浐 $\stackrel{\text { ¢ }}{ }$ | 压 $+\frac{1}{\downarrow}$ | la－ka head＋lingkod tail |
| 298 | alipin | 新 | 䒠 $+\frac{1}{4}$ | a－la head＋lingkod tail |
| 299 | api | と | $\vec{k}+\frac{1}{\downarrow}$ | a head＋lingkod tail |
| 300 | samba | 发枵 | $\ddot{*}+\frac{1}{4}$ | sa－ba head＋lingkod tail |
| 301 | sala | 名定 | 它 + 全 | sa head＋sala tail |
| 302 | salot | 䍃奇 | 草＋咅 | sa－la head＋sala tail |
| 303 | sumpa | 党堂 | 家＋㐱 | sa－pa head＋sala tail |
| 304 | tawad | 互第 | を＋す | ta－wa head＋sala tail |
| 305 | totoo | 秙 | そ＋交 | ta－ta head＋totoo tail |
| 306 | tiyak | 師 | 䂞＋交 | ta－ya head＋totoo tail |
| 307 | tunay | 䂭 | 厄＋交 | ta－na head＋totoo tail |
| 308 | tapat | 䂭 | を＋交 | ta－pa head＋totoo tail |

Brief forms under ngalan tail：

| No． | Word | LLL | $\begin{gathered} \text { Origin } \\ \text { (Head }+ \text { Tail) } \end{gathered}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 309 | ngalan | ${ }_{7}{ }^{2}$ | $\hat{\gamma}+\hat{\varepsilon}$ | nga－la head＋ngalan tail |
| 310 | kilala | ZC | $z+\varepsilon$ | ka－la head＋ngalan tail |
| 311 | tatak | E | を + ह | ta－ta head＋ngalan tail |
| 312 | watawat | 2\％ | $\varepsilon+\varepsilon$ | wa－ta head＋ngalan tail |
| 313 | ugali | र्ञार |  | u－ga head＋ugali tail |
| 314 | sipag | 会そ | 只 + 免 | sa－pa head＋ugali tail |
| 315 | tiyaga | है¢ | 䃭 + そ | ta－ya head＋ugali tail |
| 316 | tamad | 区ิ์ | 氐 + そ | ta－ma head＋ugali tail |
| 317 | bagay |  | 令＋（ | ba－ga head＋bagay tail |
| 318 | butas | 2 2 |  | ba－ta head＋bagay tail |
| 319 | likha | F䧺 | $F+\sqrt{6}$ | la－ha head＋bagay tail |
| 320 | lagay | F1\％ | F18 | la－ga head＋bagay tail |
| 321 | kailangan | 7¢์ | $\underline{Z}+\hat{E}$ | ka－la head＋kailangan tail |
| 322 | gamit | 316 | 比＋¢ | ga－ma head＋kailangan tail |
| 323 | susi | SE | $\underline{D}+\varepsilon$ | sa head＋kailangan tail |
| 324 | sandata | 命紅 | 炁 + 寿 | sa－da head＋kailangan tail |
| 325 | daan | そ̧ | $\xi+\S$ | da－a head＋daan tail |
| 326 | hagdan | そ̧̌ | $\bar{\zeta}+\S$ | ha－da head＋daan tail |
| 327 | pinto | と¢ | $\xi+\S$ | pa－ta head＋daan tail |
| 328 | tulay | Tだ | ¢ + § | ta－la head＋daan tail |
| 329 | gawa | 310 | $\xi+\&$ | ga head＋gawa tail |
| 330 | handa | そ̌ | $\bar{\zeta}+反$ | ha－da head＋gawa tail |
| 331 | tupad | 若管 | 㖃 + \＆ | ta－pa head＋gawa tail |
| 332 | yari | ठ反 | $\zeta+\kappa$ | ya head＋gawa tail |
| 333 | lungsod | 厎仕 | $\sqrt{8}+\frac{1}{1}$ | la－sa head＋lungsod tail |
| 334 | dako | Y（1 | $\zeta+\&$ | da head＋lungsod tail |
| 335 | banda |  | 令＋ | ba－da head＋lungsod tail |
| 336 | pook | 3¢ | $\xi+\mathcal{L}$ | pa－u head＋lungsod tail |

Brief forms under panginoon tail：

| No． | Word | LLL | Origin <br> （Head－Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 337 | panginoon | GN | $a+2$ | pa head＋panginoon tail |
| 338 | iglesia | 脭 | $\bar{N}+\sqrt{N}$ | i head＋panginoon tail |
| 339 | cristo | 下 | $\boldsymbol{T}+\boldsymbol{J}$ | ka head＋panginoon tail |
| 340 | diyos | そう | $\zeta+\checkmark$ | da head＋panginoon tail |
| 341 | ayos | 歌 | $\delta+$ 令 | a－ya head＋ayos tail |
| 342 | kalat | 7氛 | 7 + 务 | ka－la head＋ayos tail |
| 343 | gulo | 30 | $引+$ 务 | ga head＋ayos tail |
| 344 | tiklop | 何 | ¢ + 匋 | ta－la head＋ayos tail |
| 345 | bansa | 名全 | 食 + 勿 | ba－sa head＋bansa tail |
| 346 | bahala | 003 | $\hat{0}+$ 人 | ba－ha head＋bansa tail |
| 347 | bayan | 名気 | 全＋勿 | ba－ya head＋bansa tail |
| 348 | hari | ｜ | $1+3$ | ha head＋bansa tail |
| 349 | dangal | ら5 | $\zeta+3$ | da－nga head＋dangal tail |
| 350 | dakila | 巧 | $\underline{y}+\underline{y}$ | da－ka head＋dangal tail |
| 351 | galang | 头可 | 头 + 可 | ga－la head＋dangal tail |
| 352 | puri | （5） | $b+3$ | pa head＋dangal tail |
| 353 | hukom | 工1） | $\bar{I}+\mathfrak{D}$ | ha－ka head＋hukom tail |
| 354 | hirang | とう | $\bar{と}+\emptyset$ | ha－da head＋hukom tail |
| 355 | halal | 干1 | $\bar{\top}+$ 亿 | ha－la head＋hukom tail |
| 356 | hatol | で） | $\bar{\tau}+$ 亿 | ha－ta head＋hukom tail |
| 357 | sunod | 乐匋 | 宋 + 全 | sa－na head＋sunod tail |
| 358 | utos | そ食 | $\xi+\frac{1}{0}$ | u－ta head＋sunod tail |
| 359 | batas | 920 | $\underline{2}+$ 全 | ba－ta head＋sunod tail |
| 360 | suway | 次氛 | 苓 + 全 | sa－wa head＋sunod tail |
| 361 | tapang | （可） |  | ta－pa head＋tapang tail |
| 362 | tagumpay | （17） | 砢 + 可 | ta－ga head＋tapang tail |
| 363 | talo | （2） | て + 匃 | ta head＋tapang tail |
| 364 | yabang | 饮式 | y + 可 | ya－ba head＋tapang tail |

Brief forms under sukat tail：

| No． | Word | LLL | Origin <br> （Head＋Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 365 | sukat | 黣 | 公 + d | sa－ka head＋sukat tail |
| 366 | dami | そd | $\varepsilon+\downarrow$ | da head＋sukat tail |
| 367 | laki | T\｛ | $T+\preceq$ | la head＋sukat tail |
| 368 | tindi | をひ | を $+\downarrow$ | ta－da head＋sukat tail |
| 369 | bilis | 平廹 | 伞＋家 | ba－la head＋bilis tail |
| 370 | agad | 头产 | 实＋会 | a－ga head＋bilis tail |
| 371 | bagal | 錝 | 食 + 奂 | ba－ga head＋bilis tail |
| 372 | dali | C（3） | と + 家 | da head＋bilis tail |
| 373 | kapal | दé | Z + 全 | ka－pa head＋kapal tail |
| 374 | nipis | qê | Q + र̂́ | na－pa head＋kapal tail |
| 375 | payat | 安令 | 它＋会 | pa－ya head＋kapal tail |
| 376 | taba | T䦽 | $\tau+$ 㐱 | ta head＋kapal tail |
| 377 | haba | 1イ | $1+$ ¢ | ha head＋haba tail |
| 378 | ikli | 平乐 | 坐 + 亿 | i－la head＋haba tail |
| 379 | lapit | 辰矢 | 原 + 氐 | la－pa head＋haba tail |
| 380 | layo | Tぐ | $T+$ 亿 | la head＋haba tail |
| 381 | lawak | 何 | $\sqrt{0}+\frac{1}{2}$ | la－wa head＋lawak tail |
| 382 | kitid | 低 | $\boldsymbol{z}+$ 昷 | ka－ta head＋lawak tail |
| 383 | lapad |  | 辰 + 全 | la－pa head＋lawak tail |
| 384 | sikip | 攷 | 坴＋全 | sa－ka head＋lawak tail |
| 385 | panahon | 「廹 | $\grave{\gamma}+$ 会 | pa－na head＋panahon tail |
| 386 | kanina | 不遈 | 不 + 会 | ka－na head＋panahon tail |
| 387 | hintay | 〒合 | $\bar{\tau}+$ 令 | ha－ta head＋panahon tail |
| 388 | taon | C | て＋家 | ta head＋panahon tail |
| 389 | timbang | 欨 | 苍 + 全 | ta－ba head＋timbang tail |
| 390 | bigat | 剱 | 食＋术 | ba－ga head＋timbang tail |
| 391 | gaan | ${ }^{21}$ | 式＋全 | ga－a head＋timbang tail |
| 392 | siksik | 剱通 | 荌＋全 | sa－sa head＋timbang tail |

Brief forms under tangi tail：

| No． | Word | LLL | $\begin{gathered} \text { Origin } \\ \text { (Head+Tail) } \end{gathered}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 393 | tangi | T | $\tau+)$ | ta head＋tangi tail |
| 394 | buo | （）J | $\Delta+J$ | ba head＋tangi tail |
| 395 | bahagi | Q） | $\hat{\omega}+J$ | ba－ha head＋tangi tail |
| 396 | sarili | 迷） | 苍＋J | sa－da head＋tangi tail |
| 397 | apoy | 嫁気 | k＋3） | a－pa head＋apoy tail |
| 398 | abo | 缘 | 它 + 方 | a head＋apoy tail |
| 399 | usok | 预 | 妾 + 可 | u－sa head＋apoy tail |
| 400 | sunog | 玺孚 | 穼＋可 | sa－na head＋apoy tail |
| 401 | bakal | 鈳 | 全＋9 | ba－ka head＋bakal tail |
| 402 | ginto | 313 | 年 + （ ） | ga－ta head＋bakal tail |
| 403 | pilak | ¢ 5 | ¢＋© | pa－la head＋bakal tail |
| 404 | tanso | （3） | 㳔 + 可 | ta－sa head＋bakal tail |
| 405 | hangin | \T | $\bar{\lambda}+\overline{\text { I }}$ | ha－nga head＋hangin tail |
| 406 | ulap | 竍 | 草＋D | u－la head＋hangin tail |
| 407 | bagyo | 名 | 食＋D | ba－ya head＋hangin tail |
| 408 | kidlat | 下1 | $Z+D$ | ka－la head＋hangin tail |
| 409 | lupa | T1） | $T+I$ | la head＋lupa tail |
| 410 | bundok | 式 | 全＋I | ba－da head＋lupa tail |
| 411 | bato | Q1 | $0+I$ | ba head＋lupa tail |
| 412 | hukay | 生而 | 里＋I | ha－ka head＋lupa tail |
| 413 | salamin | 姿可 | 常 + 可 | sa－la head＋salamin tail |
| 414 | bubog | 包 | 安 + す | ba－ba head＋salamin tail |
| 415 | buhangin | $0{ }^{3}$ | 人 + す | ba－ha head＋salamin tail |
| 416 | basag | 包可 | 㑒 + す | ba－sa head＋salamin tail |
| 417 | tubig | （a） | （ 4 ＋$\overline{0}$ | ta－ba head＋tubig tail |
| 418 | ilog | 标） | 坐＋Ј | i－la head＋tubig tail |
| 419 | ulan | 抒 | 辛＋可 | u－la head＋tubig tail |
| 420 | dagat | そुग | $\zeta$ 水 | da－ga head＋tubig tail |

Brief forms under tao tail：

| No． | Word | LLL | $\begin{gathered} \text { Origin } \\ \text { (Head+Tail) } \end{gathered}$ | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 421 | tao | T 6 | $て+6$ | ta head＋tao tail |
| 422 | balat | 釉 | 伞 +6 | ba－la head＋tao tail |
| 423 | katawan | Z | $そ+6$ | ka－ta head＋tao tail |
| 424 | laman |  | $\sqrt{6}+6$ | la－ma head＋tao tail |
| 425 | binti | 䊉 | $\underline{2}+6$ | ba－ta head＋binti tail |
| 426 | balikat | 移 | 伞 +6 | ba－la head＋binti tail |
| 427 | hita | 16 | $1+6$ | ha head＋binti tail |
| 428 | tuhod | 5 | $\tau+6$ | ta－ha head＋binti tail |
| 429 | kamay | 66 | $7+*$ | ka－ma head＋kamay tail |
| 430 | dala | と | $\check{\zeta}+\circledast$ | da head＋kamay tail |
| 431 | hawak | $\bar{\theta}$ | $\bar{v}+\forall$ | ha－wa head＋kamay tail |
| 432 | palad | 钢 | 产 $+甘$ | pa－la head＋kamay tail |
| 433 | dibdib | を゙ઠ | ぞ $+\varnothing$ | da－da head＋dibdib tail |
| 434 | baga | ab | $\Delta+\varnothing$ | ba head＋dibdib tail |
| 435 | suso | 80 | \％$+\varnothing$ | sa head＋dibdib tail |
| 436 | tadyang | Ef | 厓 $+\varnothing$ | ta－ya head＋dibdib tail |
| 437 | lusog | 戌（6） | 榢 +6 | la－sa head＋lusog tail |
| 438 | lagnat | 下（ ${ }^{\text {W }}$ | ¢ +6 | la－na head＋lusog tail |
| 439 | sugat | 簡 | 第 + （b） | sa－ga head＋lusog tail |
| 440 | sakit | 強 | 党 +6 | sa－ka head＋lusog tail |
| 441 | paa | cas | $b+b$ | pa head＋paa tail |
| 442 | lakbay | 峏 | $\sqrt{6}+6$ | la－ba head＋paa tail |
| 443 | lakad | 扯 ${ }^{5}$ | I +6 | la－ka head＋paa tail |
| 444 | takbo | 区（a） | （0）+6 | ta－ba head＋paa tail |
| 445 | tiyan | 殒 | 兆 +6 | ta－ya head＋tiyan tail |
| 446 | bituka | 20 | 2 +6 | ba－ta head＋tiyan tail |
| 447 | baywang | 86 | $\hat{y}+\emptyset$ | ba－wa head＋tiyan tail |
| 448 | pusod | 敋 | $5+6$ | pa－sa head＋tiyan tail |

Brief forms under liit tail：

| No． | Word | LLL | Origin （Head＋Tail） | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| 449 | liit | 彦 | $\sqrt{\bar{m}}+\sigma$ | la－i head＋liit tail |
| 450 | ubos | 㑑 | $\stackrel{\text { a }}{ }+\alpha$ | u－ba head＋liit tail |
| 451 | unti | 30 | $\xi+\sigma$ | u－ta head＋liit tail |
| 452 | kulang | 7 | \％+ d | ka－la head＋liit tail |
| 453 | init | 祀 | 雨 + 区 | i－na head＋init tail |
| 454 | ginaw | 祀 | 等 + E | ga－na head＋init tail |
| 455 | lamig | 励 | $\sqrt{6}+区$ | la－ma head＋init tail |
| 456 | tunaw | 砍 | ¢ + ¢ | ta－na head＋init tail |
| 457 | bawas | 弱 |  | ba－wa head＋bawas tail |
| 458 | lipat | 医 | $\sqrt{4}+$ ch | la－pa head＋bawas tail |
| 459 | palit | 较 |  | pa－la head＋bawas tail |
| 460 | tanggal | ह1．06 | （17） | ta－ga head＋bawas tail |
| 461 | dagdag | どひ | を | da－da head＋dagdag tail |
| 462 | sabay | 㟏 | 苍 + 令 | sa－ba head＋dagdag tail |
| 463 | sakay | 鹳 | 空 + 包 | sa－ka head＋dagdag tail |
| 464 | sama | SS | $y+\hat{3}$ | sa head＋dagdag tail |
| 465 | hati | $1 \uparrow$ | $1+\mathbb{C}$ | ha head＋hati tail |
| 466 | biyak | 覂 | 昘＋ 1 | ba－ya head＋hati tail |
| 467 | putol | とで | $\xi+\mathbb{T}$ | pa－ta head＋hati tail |
| 468 | walay | 计 | ¢＋¢ | wa－la head＋hati tail |
| 469 | pantay | と島 | $\xi+$（5） | pa－ta head＋pantay tail |
| 470 | gitna | 新近 | 等 + 荗 | ga－na head＋pantay tail |
| 471 | payapa | 名臣 | ¢ + （ 5 | pa－ya head＋pantay tail |
| 472 | tuwid | Eర¢ | 『＋¢ | ta－wa head＋pantay tail |
| 473 | tulak | Fe | ¢＋¢ | ta－la head＋tulak tail |
| 474 | diin | 㓨区 | 爫＋${ }^{\text {e }}$ | da－i head＋tulak tail |
| 475 | hila | ｜® | $1+$ ¢ | ha head＋tulak tail |
| 476 | pukpok | 就 | 玄＋さ̀ | pa－pa head＋tulak tail |

## Level 5A: Monosyllabic Roots

Some of the words in Tagalog have monosyllabic origins. One example is "pit" (close together) which is found in lapit, sapit, dapit, higpit, ipit, sipit, hipit, kapit, etc., all of which has related meanings. Monosyllabic roots should be taken into consideration when choosing the right tails for Levels 5-7 characters.

## Level 5B: Primary Tail-Syllabary Combinations

The number of brief forms is limited to 119 primary and 576 secondary to prevent confusion in reading. For words that are not included in the brief forms lists and are of Asian origin, they are transcribed using tail-syllabary combinations. The LLL syllabary is used as phonetic components of these characters. The stacking rules are also applied. The choice of tail to be used per word in question is depends on user's discretion, prioritizing the meaning given by monosyllabic roots if present within the word at hand. For short words, i.e. words that can be represented by a maximum of two (2) Level 1 (modified baybayin) characters or repeated roots/syllables such as bitbit, laglag, etc., the rules as illustrated in the examples below are applied. Only the first syllable is present together with a marker which represents the vowel of the second syllable.

## Examples：

| Tagalog／ English | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| aba lowly | $s 3$ | $\grave{\}$ \} + \cdots | Level 3 ＂a＂with＂a＂－marker＋baba tail |
| $\begin{aligned} & \hline \text { upo } \\ & \text { sit } \end{aligned}$ | 性 | $11+11+3$ | Level 3 ＂u＂with＂u＂－marker＋baba tail |
| $\begin{aligned} & \hline \text { basa } \\ & \text { wet } \end{aligned}$ | 98 | $S+\backslash+\otimes$ | Level 3 ＂ba＂with＂a＂－marker＋inom tail |
| bisa effect | Sह⿵冂 | $\sqrt{1}+\grave{\downarrow}$ | Level 3 ＂bi＂with＂a＂－marker＋gawa tail |
| bitbit carry | GG | $G+\perp+\forall$ | Level 3 ＂bi＂with pp＊－marker＋kamay tail；root：bit |
| bunga fruit | W6 | $\gamma+\backslash+<$ | Level 3 ＂bu＂with＂a＂－marker＋wakas tail |
| buto <br> seed | 710 | $Y+11+7$ | Level 3 ＂bu＂with＂u＂－marker＋halaman tail |
| dati long ago | 妸 | $x+$ 人 + 人 | Level 3 ＂da＂with＂i＂－marker＋panahon tail |
| dingding wall | 领 | $l+1+8$ | Level 3 ＂di＂with pp＊－marker＋bahay tail |
| $\begin{array}{\|l} \hline \text { halo } \\ \text { mix } \\ \hline \end{array}$ | 覑 | $\gamma+11+\beta$ | Level 3 ＂ha＂with＂u＂－marker＋dagdag tail；root：lu |
| higa lie down | 交 | $\lambda+\+3$ | Level 3 ＂hi＂with＂a＂－marker＋baba tail |
| laglag <br> fall down | 稂 | $\dagger+\perp+\beta$ | Level 3 ＂la＂with pp＊－marker＋baba tail； root：lag |
| nasa desire | 头先 | $7+\backslash+$ 匂 | Level 3 ＂na＂with＂a＂－marker＋puso tail |
| pakpak <br> wing | 吅 | $S+\perp+\square$ | Level 3 ＂pa＂with pp＊－marker＋langis tail |
| pawi <br> erase | 58 | $S+\lambda+\xi$ | Level 3 ＂pa＂with＂i＂－marker＋dating tail；root：wi |
| $\begin{array}{\|l\|} \hline \text { sali } \\ \text { join } \end{array}$ | 约 | $\xi+$ 人 $+\boldsymbol{z}$ | Level 3 ＂sa＂with＂i＂－marker＋talik tail； root：li |
| sama <br> bad | 绿 | を＋＋気 | Level 3 ＂sa＂with＂a＂－marker＋sala tail |
| tugtog music | E | $て+\perp+$ E | Level 3 ＂tu＂with pp＊－marker＋tainga tail |
| tuktok top | 高 | て＋＋＋＋ | Level 3 ＂tu＂with pp＊－marker＋taas tail |
| tayo <br> stand | 『フ | $\succ+11+\frac{1}{\top}$ | Level 3 ＂ta＂with＂u＂－marker＋taas tail |
| salo catch | 莵 | $\xi+11+豸$ | Level 3 ＂sa＂with＂u＂－marker＋dagdag tail |

＊pp＝panlaping pang－ulit

## Level 6A：Filipino Names

The $i$－kudlit can be placed on the lower left corner of characters to denote place and family names that are of Asian origin．It can also be used to represent capital letters when attached to Level 3A basic characters．

## Examples:



Level 6B: Secondary Tail-Syllabary Combinations
For medium words, i.e. words that can be represented by a maximum of three (3) Level 1 (modified baybayin) characters, in which the pananggal-kudlit is not used in the middle of the word, the rules as illustrated in the examples below are applied.

## Examples：

| Tagalog／ English | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| ahas snake | 妇 | $\imath+\imath+\exists$ | Level 3 ＂a＂＋Level 3 ＂ha＂＋ibon／isda tail |
| $\begin{aligned} & \text { asin } \\ & \text { salt } \end{aligned}$ | 吸 | $\backslash+\leq+\square$ | Level 3 ＂a＂＋Level 3 ＂si＂＋lupa tail |
| unan <br> pillow | $11+8$ | $11+7+8$ | Level 3 ＂u＂＋Level 3 ＂na＂＋tulog tail |
| uod worm | ｜1｜｜ | $11+11+7$ | Level 3 ＂u＂＋Level 3 ＂u＂＋kulisaptail |
| batis stream | 依 | $s+\lambda+\pi$ | Level 3 ＂ba＂＋Level 3 ＂ti＂＋tubig tail |
| gatas <br> milk | 38 | $\xi+\Sigma+\otimes$ | Level 3 ＂ga＂＋Level 3 ＂ta＂＋inom tail； root：tas |
| ipis cockroach | 相 | 人＋ | Level 3 ＂i＂＋Level 3 ＂pi＂＋kulisap tail |
| $\begin{aligned} & \begin{array}{l} \text { Ialim } \\ \text { depth } \end{array} \\ & \hline \end{aligned}$ | 嵪 | $T+\lambda+\xi$ | Level 3 ＂la＂＋Level 3 ＂li＂＋dilim tail； root：lim |
| $\begin{aligned} & \text { lubid } \\ & \text { rope } \end{aligned}$ | E6 | $\Gamma+马+$ ¢ | Level 3 ＂lu＂＋Level 3 ＂bi＂＋haba tail |
| niyog coconut | 近 | $\chi+\Gamma+\Pi$ | Level 3 ＂ni＂＋Level 3 ＂yu＂＋puno tail |
| punas <br> wipe | 哌 | $Y+\gamma+$ E | Level 3 ＂pu＂＋Level 3 ＂na＂＋puti tail |
| sabik excited | 3気 | $\xi+G+$ 战 | Level 3 ＂sa＂＋Level 3 ＂bi＂＋puso tail |
| $\begin{array}{\|l} \hline \text { tugon } \\ \text { reply } \\ \hline \end{array}$ | 乐 | $\tau+\zeta+\zeta$ | Level 3 ＂tu＂＋Level 3 ＂gu＂＋wakas tail |
| yungib cave | $\sqrt{88}$ | $\Gamma+2+3$ | Level 3 ＂yu＂＋Level 3 ＂ngi＂＋bahay tail |
| akit attract | \®］ | $\backslash+I+\bigotimes$ | Level 3 ＂a＂＋Level 3 ＂ki＂＋dagdag tail； root：kit |
| anay termite | 泍 | $\grave{\imath}+7+7$ | Level 3 ＂a＂＋Level 3 ＂na＂＋kulisap tail |
| baboy pig／pork | 97 | $S+Y+7$ | Level 3 ＂ba＂＋Level 3 ＂bu＂＋likas tail |
| bigas <br> rice | 汭 | $s+3+\theta$ | Level 3 ＂bi＂＋Level 3 ＂ga＂＋kain tail |
| gapang crawl | 355 | $\xi+5+5$ | Level 3 ＂ga＂＋Level 3 ＂pa＂＋kilos tail |
| ipon collect | RECC | $\lambda+\gamma+\bigotimes$ | Level 3 ＂i＂＋Level 3 ＂pu＂＋dagdag tail |
| kabit connect | W | $I+G+G$ | Level 3 ＂ka＂＋Level 3 ＂bi＂＋kamay tail |

## Level 7A：Non－Tagalog Filipino Words

The i－kudlit can be placed on the lower right corner of characters to denote words that are not in use in Tagalog but is present in vocabularies of other Philippine languages．

Examples：

| 介爰 | balay（house） |
| :---: | :---: |
| 165 | dako（big） |
| ito | awan（zero） |
| 㣪 | bugat（mass） |
| H（ | lawas（body） |
| Y1\％ | adlaw（sun） |
| 786 | bulan（moon） |

## Level 7B：Tertiary Tail－Syllabary Combinations

For long words，i．e．words that can be cannot be represented by Levels 5B and 6B，the rules as illustrated in the examples below are applied．

Examples：

| Tagalog／ English | LLL | Origin | Remarks |
| :---: | :---: | :---: | :---: |
| alikabok dust | （1） | $\+\lambda+\zeta+\bar{y}$ | Level 3 ＂a＂＋Level 3 ＂i＂＋Level 3 ＂bu＂＋ lupa tail |
| anyaya <br> invite | स56 | $\checkmark+1+h+3$ | Level 3 ＂a＂＋pp＊－marker＋Level 3 ＂ya＂＋ wika tail |
| yugto period | 底 | $\Gamma+$ 浟 + T + 令 | Level 3 ＂yu＂＋pk＊＊－marker＋Level 3 ＂tu＂＋panahon tail |
| banlaw <br> rinse | 9\％ | $S+$ 㵳 $+r+J$ | Level 3 ＂a＂＋Level 3 ＂i＂＋Level 3 ＂bu＂＋ tubig tail |
| higpit <br> tight | 圣 |  | $\begin{aligned} & \text { Level } 3 \text { "hi" + pk**-marker + Level } 3 \text { "pi" } \\ & \text { + haba tail; root: pit } \end{aligned}$ |
| lindol quake | 或 |  | $\begin{aligned} & \text { Level } 3 \text { "li" + pk**-marker + Level } 3 \text { "du" } \\ & \text { + lupa tail } \end{aligned}$ |
| pangkat <br> group | 53 |  | $\begin{aligned} & \text { Level } 3 \text { "pa" + pk**-marker + Level } 3 \\ & \text { "ka" + talik tail } \end{aligned}$ |
| bunganga mouth | ）દ্CG | $Y+1+2+\sqrt{3}$ | $\begin{array}{\|l} \hline \text { Level } 3 \text { "bu" + pp*-marker + Level } 3 \\ \text { "nga" + bibig tail; root: nga } \\ \hline \end{array}$ |
| kabibe <br> shell | 生（ | $I+1+3+3$ | $\begin{aligned} & \text { Level } 3 \text { "ka" + pp*-marker + Level } 3 \text { "bi" } \\ & \text { + kulisap tail } \end{aligned}$ |
| saksi witness | 乐 |  | $\begin{aligned} & \text { Level } 3 \text { "sa" + pk**-marker + Level } 3 \text { "si" } \\ & \text { + mata tail } \end{aligned}$ |
| tadhana destiny | t） | $\geq+$ 㵳 $+>+1$ | Level 3 ＂ta＂＋pk＊＊－marker＋Level 3 ＂ha＂＋harap tail |
| balahibo fur | $\pm$ | $S+\lambda+\lambda+\beth$ | $\begin{aligned} & \text { Level } 3 \text { "ba" + "a"-marker + Level } 3 \text { "hi" } \\ & \text { + damo tail } \end{aligned}$ |
| kambing goat | ） 76 | $I+$ 㵳 $+\sqrt{ }+7$ | $\begin{aligned} & \text { Level } 3 \text { "ka" + pk**-marker + Level } 3 \text { "bi" } \\ & \text { + likas tail } \end{aligned}$ |
| luwalhati glory | 为 | $\Gamma+\+\nu+\frac{4}{5}$ | $\begin{aligned} & \text { Level } 3 \text { "lu" + "a"-marker + Level } 3 \text { "ha" } \\ & \text { + puso tail; root: hati } \end{aligned}$ |

＊pp＝panlaping pang－ulit
＊＊pk＝pananggal－kudlit

## Sample Text in LLL

## Tagalog Version

Ang lahat ng tao'y isinilang na malaya at pantay-pantay sa karangalan at mga karapatan. Sila'y pinagkalooban ng katwiran at budhi at dapat magpalagayan ang isa't-isa sa diwa ng pagkakapatiran.

## Translation

All human beings are born free and equal in dignity and rights. They are endowed with reason and conscience and should act towards one another in a spirit of brotherhood.
(Article 1 of the Universal Declaration of Human Rights)

