

1 Named Macros

Phonetic Extensions

A Æ B C D Ð E Z I J K L M N O P Q R S T U V W X Y Z
A B B D E G H I J K L M N O P R T U W A æ œ b d e ē z g i k m n o
c u p t u s w v x y ŷ δ φ χ ι ρ υ β γ ρ φ χ w b d f m n p r f s t z ḡ ħ th it p u s

`\peletterssmallcapitala` \mapsto A
`\peletterssmallcapitalae` \mapsto Æ
`\pesmallletterturnedae` \mapsto æ
`\peletterssmallcapitalbarredb` \mapsto B̄
`\peletterssmallcapitalc` \mapsto C
`\peletterssmallcapitald` \mapsto D
`\peletterssmallcapitalaeth` \mapsto Ð
`\peletterssmallcapitale` \mapsto E
`\pesmallletterturnedopene` \mapsto 3
`\pesmallletterturnedi` \mapsto !
`\peletterssmallcapitalj` \mapsto J
`\peletterssmallcapitalk` \mapsto K
`\peletterssmallcapitalallwithstroke` \mapsto L̄
`\peletterssmallcapitalm` \mapsto M
`\peletterssmallcapitalreversedn` \mapsto N̄
`\peletterssmallcapitalo` \mapsto O
`\peletterssmallcapitalopeno` \mapsto ɔ
`\pesmalllettersidewayso` \mapsto o
`\pesmalllettersidewaysopeno` \mapsto ɔ̃
`\pesmalllettersidewaysowithstroke` \mapsto Ō
`\pesmallletterturnedoe` \mapsto œ
`\peletterssmallcapitalou` \mapsto 8
`\pesmalllettertophalfo` \mapsto ˆ
`\pesmallletterbottomhalfo` \mapsto ˘
`\peletterssmallcapitalp` \mapsto P
`\peletterssmallcapitalreversedr` \mapsto Я
`\peletterssmallcapitalturnedr` \mapsto ʀ
`\peletterssmallcapitalt` \mapsto T
`\peletterssmallcapitalu` \mapsto U
`\pesmalllettersidewaysu` \mapsto ɹ
`\pesmalllettersidewaysdiaeresizedu` \mapsto Ƴ
`\pesmalllettersidewaysturnedm` \mapsto ʘ
`\peletterssmallcapitalv` \mapsto V
`\peletterssmallcapitalw` \mapsto W
`\peletterssmallcapitalz` \mapsto Z
`\peletterssmallcapitalezh` \mapsto 3
`\pelettervoicedlaryngealspirant` \mapsto 2
`\peletterain` \mapsto ɹ
`\pegreekletterssmallcapitalgamma` \mapsto Γ

$\backslash\text{pegreekletterssmallcapital}\lambda \mapsto \Lambda$
 $\backslash\text{pegreekletterssmallcapital}\pi \mapsto \Pi$
 $\backslash\text{pegreekletterssmallcapital}\rho \mapsto \rho$
 $\backslash\text{pegreekletterssmallcapital}\psi \mapsto \Psi$
 $\backslash\text{pecyrillicletterssmallcapital}\ell \mapsto \mathbb{L}$
 $\backslash\text{pemodifierlettercapital}a \mapsto A$
 $\backslash\text{pemodifierlettercapital}ae \mapsto \mathcal{A}$
 $\backslash\text{pemodifierlettercapital}b \mapsto B$
 $\backslash\text{pemodifierlettercapital}\bar{b} \mapsto \mathbb{B}$
 $\backslash\text{pemodifierlettercapital}d \mapsto D$
 $\backslash\text{pemodifierlettercapital}e \mapsto E$
 $\backslash\text{pemodifierlettercapital}\text{reversed}e \mapsto \mathfrak{E}$
 $\backslash\text{pemodifierlettercapital}g \mapsto G$
 $\backslash\text{pemodifierlettercapital}h \mapsto H$
 $\backslash\text{pemodifierlettercapital}i \mapsto I$
 $\backslash\text{pemodifierlettercapital}j \mapsto J$
 $\backslash\text{pemodifierlettercapital}k \mapsto K$
 $\backslash\text{pemodifierlettercapital}l \mapsto L$
 $\backslash\text{pemodifierlettercapital}m \mapsto M$
 $\backslash\text{pemodifierlettercapital}n \mapsto N$
 $\backslash\text{pemodifierlettercapital}\text{reversed}n \mapsto \mathbb{N}$
 $\backslash\text{pemodifierlettercapital}o \mapsto O$
 $\backslash\text{pemodifierlettercapital}ou \mapsto \mathcal{O}$
 $\backslash\text{pemodifierlettercapital}p \mapsto P$
 $\backslash\text{pemodifierlettercapital}r \mapsto R$
 $\backslash\text{pemodifierlettercapital}t \mapsto T$
 $\backslash\text{pemodifierlettercapital}u \mapsto U$
 $\backslash\text{pemodifierlettercapital}w \mapsto W$
 $\backslash\text{pemodifierlettersmall}a \mapsto a$
 $\backslash\text{pemodifierlettersmall}\text{turned}a \mapsto \mathfrak{a}$
 $\backslash\text{pemodifierlettersmall}\alpha \mapsto \alpha$
 $\backslash\text{pemodifierlettersmall}\text{turned}ae \mapsto \mathfrak{a}$
 $\backslash\text{pemodifierlettersmall}b \mapsto b$
 $\backslash\text{pemodifierlettersmall}d \mapsto d$
 $\backslash\text{pemodifierlettersmall}e \mapsto e$
 $\backslash\text{pemodifierlettersmall}\text{schwa} \mapsto \mathfrak{a}$
 $\backslash\text{pemodifierlettersmall}\text{lovene} \mapsto \mathfrak{e}$
 $\backslash\text{pemodifierlettersmall}\text{turned}\text{lovene} \mapsto \mathfrak{e}$
 $\backslash\text{pemodifierlettersmall}g \mapsto g$
 $\backslash\text{pemodifierlettersmall}\text{turned}i \mapsto \mathfrak{i}$
 $\backslash\text{pemodifierlettersmall}k \mapsto k$
 $\backslash\text{pemodifierlettersmall}l \mapsto l$
 $\backslash\text{pemodifierlettersmall}leng \mapsto \mathfrak{l}$
 $\backslash\text{pemodifierlettersmall}o \mapsto o$
 $\backslash\text{pemodifierlettersmall}\text{loveno} \mapsto \mathfrak{o}$
 $\backslash\text{pemodifierlettersmall}\text{tophalfo} \mapsto \mathfrak{o}$

$\backslash\text{pemodifierlettersmallbottomhalfo} \mapsto \text{v}$
 $\backslash\text{pemodifierlettersmallp} \mapsto \text{p}$
 $\backslash\text{pemodifierlettersmallt} \mapsto \text{t}$
 $\backslash\text{pemodifierlettersmallu} \mapsto \text{u}$
 $\backslash\text{pemodifierlettersmallsidewaysu} \mapsto \text{u}$
 $\backslash\text{pemodifierlettersmallturnedm} \mapsto \text{u}$
 $\backslash\text{pemodifierlettersmallv} \mapsto \text{v}$
 $\backslash\text{pemodifierlettersmallain} \mapsto \text{a}$
 $\backslash\text{pemodifierlettersmallbeta} \mapsto \beta$
 $\backslash\text{pemodifierlettersmallgreekgamma} \mapsto \gamma$
 $\backslash\text{pemodifierlettersmalldelta} \mapsto \delta$
 $\backslash\text{pemodifierlettersmallgreekphi} \mapsto \varphi$
 $\backslash\text{pemodifierlettersmallchi} \mapsto \chi$
 $\backslash\text{pesubscriptsmallletteri} \mapsto \text{i}$
 $\backslash\text{pesubscriptsmallletterr} \mapsto \text{r}$
 $\backslash\text{pesubscriptsmallletteru} \mapsto \text{u}$
 $\backslash\text{pesubscriptsmallletterv} \mapsto \text{v}$
 $\backslash\text{pegreeksubscriptsmallletterbeta} \mapsto \beta$
 $\backslash\text{pegreeksubscriptsmalllettergamma} \mapsto \gamma$
 $\backslash\text{pegreeksubscriptsmallletterrho} \mapsto \rho$
 $\backslash\text{pegreeksubscriptsmallletterphi} \mapsto \varphi$
 $\backslash\text{pegreeksubscriptsmallletterchi} \mapsto \chi$
 $\backslash\text{pesmallletterue} \mapsto \text{ue}$
 $\backslash\text{pesmallletterbwithmiddletilde} \mapsto \text{b}$
 $\backslash\text{pesmallletterdwithmiddletilde} \mapsto \text{d}$
 $\backslash\text{pesmallletterfwithmiddletilde} \mapsto \text{f}$
 $\backslash\text{pesmalllettermwithmiddletilde} \mapsto \text{m}$
 $\backslash\text{pesmallletternwithmiddletilde} \mapsto \text{n}$
 $\backslash\text{pesmallletterpwithmiddletilde} \mapsto \text{p}$
 $\backslash\text{pesmallletterrwithmiddletilde} \mapsto \text{r}$
 $\backslash\text{pesmallletterrwithfishhookandmiddletilde} \mapsto \text{r}$
 $\backslash\text{pesmallletterswithmiddletilde} \mapsto \text{s}$
 $\backslash\text{pesmallletttertwithmiddletilde} \mapsto \text{t}$
 $\backslash\text{pesmallletterzwithmiddletilde} \mapsto \text{z}$
 $\backslash\text{pesmallletterturnedg} \mapsto \text{g}$
 $\backslash\text{pemodifierlettercyrillicen} \mapsto \text{H}$
 $\backslash\text{pesmallletterinsularg} \mapsto \text{g}$
 $\backslash\text{pesmallletterthwithstrikethrough} \mapsto \text{th}$
 $\backslash\text{pesmallcapitalletteriwithstroke} \mapsto \text{i}$
 $\backslash\text{pesmallletteriotawithstroke} \mapsto \text{t}$
 $\backslash\text{pesmallletterpwithstroke} \mapsto \text{p}$
 $\backslash\text{pesmallcapitalletteruwithstroke} \mapsto \text{u}$
 $\backslash\text{pesmallletterupsilonwithstroke} \mapsto \text{u}$

IPA Extensions

$\Phi \text{ J L I R r r } \Gamma \text{ R K S f f l f l i t u o v } \Lambda \text{ M A Y Z z z } \mathbb{Z} ? \text{ f } \mathfrak{C} \ominus \text{ B o G H j x L q? f dz}$

`\ipasmallletterturneda` \mapsto æ
`\ipasmallletteralpha` \mapsto α
`\ipasmallletterturnedalpha` \mapsto ð
`\ipasmallletterbwithhook` \mapsto ḃ
`\ipasmallletteropeno` \mapsto ɔ
`\ipasmalllettercwithcurl` \mapsto ç
`\ipasmallletterdwithtail` \mapsto đ
`\ipasmallletterdwithhook` \mapsto ḏ
`\ipasmallletterreversedē` \mapsto ḡ
`\ipasmallletterschwa` \mapsto ə
`\ipasmallletterschwawithhook` \mapsto æ̃
`\ipasmallletteropene` \mapsto ɛ
`\ipasmallletterreversedopene` \mapsto ɜ
`\ipasmallletterreversedopenewithhook` \mapsto æ̃
`\ipasmallletterclosedreversedopene` \mapsto ɜ̃
`\ipasmallletterdotlessjwithstroke` \mapsto ȝ
`\ipasmalllettergwithhook` \mapsto ḡ
`\ipasmallletterscriptg` \mapsto ḡ
`\ipaletterssmallcapitalg` \mapsto G
`\ipasmalllettergamma` \mapsto γ
`\ipasmallletterramshorn` \mapsto ʀ
`\ipasmallletterturnedh` \mapsto ḥ
`\ipasmallletterhwithhook` \mapsto ḥ
`\ipasmallletterhengwithhook` \mapsto ḥ̃
`\ipasmallletteriwithstroke` \mapsto ï
`\ipasmallletteriota` \mapsto ɪ
`\ipaletterssmallcapitali` \mapsto I
`\ipasmallletterlwithmiddletilde` \mapsto ł
`\ipasmallletterlwithbelt` \mapsto ḷ
`\ipasmallletterlwithretroflexhook` \mapsto ḽ
`\ipasmallletterlezh` \mapsto Ḻ
`\ipasmallletterturnedm` \mapsto ṃ
`\ipasmallletterturnedmwithlongleg` \mapsto ṃ̃
`\ipasmalllettermwithhook` \mapsto ṃ
`\ipasmallletternwithlefthook` \mapsto ṅ
`\ipasmallletternwithretroflexhook` \mapsto ṅ
`\ipaletterssmallcapitaln` \mapsto N
`\ipasmallletterbarredo` \mapsto ø
`\ipaletterssmallcapitaloe` \mapsto œ
`\ipasmallletterclosedomega` \mapsto ω
`\ipasmallletterphi` \mapsto ϕ
`\ipasmallletterturnedr` \mapsto Ṛ
`\ipasmallletterturnedrwithlongleg` \mapsto Ṛ̃

$\backslash\text{ipasmallletterturnedrwithhook} \mapsto \text{ɹ}$
 $\backslash\text{ipasmallletterrwithlongleg} \mapsto \text{ɽ}$
 $\backslash\text{ipasmallletterrwithtail} \mapsto \text{ɾ}$
 $\backslash\text{ipasmallletterrwithfishhook} \mapsto \text{ɿ}$
 $\backslash\text{ipasmallletterreversedrwithfishhook} \mapsto \text{ɿ}$
 $\backslash\text{ipaletterssmallcapitalr} \mapsto \text{R}$
 $\backslash\text{ipaletterssmallcapitalinvertedr} \mapsto \text{ʀ}$
 $\backslash\text{ipasmallletterswithhook} \mapsto \text{ʂ}$
 $\backslash\text{ipasmallletteresh} \mapsto \text{ʃ}$
 $\backslash\text{ipasmallletterdotlessjwithstrokeandhook} \mapsto \text{ʃ}$
 $\backslash\text{ipasmalllettersquatreversedesh} \mapsto \text{ɹ}$
 $\backslash\text{ipasmalllettereshwithcurl} \mapsto \text{ɹ}$
 $\backslash\text{ipasmallletterturnedt} \mapsto \text{ɹ}$
 $\backslash\text{ipasmalllettertwithretroflexhook} \mapsto \text{ɹ}$
 $\backslash\text{ipasmallletterubar} \mapsto \text{ʉ}$
 $\backslash\text{ipasmallletterupsilon} \mapsto \text{ʊ}$
 $\backslash\text{ipasmalllettervwithhook} \mapsto \text{ʋ}$
 $\backslash\text{ipasmallletterturnedv} \mapsto \text{ʌ}$
 $\backslash\text{ipasmallletterturnedw} \mapsto \text{ʍ}$
 $\backslash\text{ipasmallletterturnedy} \mapsto \text{ʏ}$
 $\backslash\text{ipaletterssmallcapitaly} \mapsto \text{Y}$
 $\backslash\text{ipasmallletterzwithretroflexhook} \mapsto \text{ɹ}$
 $\backslash\text{ipasmallletterzwithcurl} \mapsto \text{ɹ}$
 $\backslash\text{ipasmallletterezh} \mapsto \text{ʒ}$
 $\backslash\text{ipasmallletterezhwithcurl} \mapsto \text{ʒ}$
 $\backslash\text{ipaletterglottalstop} \mapsto \text{ʔ}$
 $\backslash\text{ipaletterpharyngealvoicedfricative} \mapsto \text{ʕ}$
 $\backslash\text{ipaletterinvertedglottalstop} \mapsto \text{ʔ}$
 $\backslash\text{ipaletterstretchedc} \mapsto \text{ɕ}$
 $\backslash\text{ipaletterbilabialclick} \mapsto \text{ɸ}$
 $\backslash\text{ipaletterssmallcapitalb} \mapsto \text{B}$
 $\backslash\text{ipasmallletterclosedopene} \mapsto \text{ɐ}$
 $\backslash\text{ipaletterssmallcapitalgwithhook} \mapsto \text{ɟ}$
 $\backslash\text{ipaletterssmallcapitalh} \mapsto \text{H}$
 $\backslash\text{ipasmallletterjwithcrossedtail} \mapsto \text{j}$
 $\backslash\text{ipasmallletterturnedk} \mapsto \text{ɻ}$
 $\backslash\text{ipaletterssmallcapitall} \mapsto \text{L}$
 $\backslash\text{ipasmallletterqwithhook} \mapsto \text{q̟}$
 $\backslash\text{ipaletterglottalstopwithstroke} \mapsto \text{ʔ}$
 $\backslash\text{ipaletterreversedglottalstopwithstroke} \mapsto \text{ʔ}$
 $\backslash\text{ipasmallletterdzdigraph} \mapsto \text{ɖ}$
 $\backslash\text{ipasmallletterdezhdigraph} \mapsto \text{ɖ}$
 $\backslash\text{ipasmallletterdzdigraphwithcurl} \mapsto \text{ɖ}$
 $\backslash\text{ipasmalllettertsdigraph} \mapsto \text{ts}$
 $\backslash\text{ipasmallletterteshdigraph} \mapsto \text{tʃ}$
 $\backslash\text{ipasmalllettertcdigraphwithcurl} \mapsto \text{tʃ}$

Phonetic Extension Supplement

b d f g k l m n p r s ſ v x z a q d e e z a i p f u z^{u c g ð ʒ f j g y i i i f j l l l} m y n
ŋ n ø ø s f t u u u a z z z z θ

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`\pesmodifierlettersmallturnedh` \mapsto \mathfrak{h}
`\pesmodifierlettersmalliwithstroke` \mapsto \mathfrak{i}
`\pesmodifierlettersmalliota` \mapsto \mathfrak{i}
`\pesmodifierlettersmallcapitali` \mapsto \mathfrak{I}
`\pesmodifierlettersmallcapitaliwithstroke` \mapsto \mathfrak{I}
`\pesmodifierlettersmalljwithcrossedtail` \mapsto \mathfrak{j}
`\pesmodifierlettersmallllwithretroflexhook` \mapsto \mathfrak{l}
`\pesmodifierlettersmallllwithpalatalhook` \mapsto \mathfrak{l}
`\pesmodifierlettersmallcapitalll` \mapsto \mathfrak{L}
`\pesmodifierlettersmallmwithhook` \mapsto \mathfrak{m}
`\pesmodifierlettersmallturnedmwithlongleg` \mapsto \mathfrak{m}
`\pesmodifierlettersmallnwithlefthook` \mapsto \mathfrak{n}
`\pesmodifierlettersmallnwithretroflexhook` \mapsto \mathfrak{n}
`\pesmodifierlettersmallcapitaln` \mapsto \mathfrak{N}
`\pesmodifierlettersmallbarredo` \mapsto \mathfrak{o}
`\pesmodifierlettersmallphi` \mapsto \mathfrak{o}
`\pesmodifierlettersmallswithhook` \mapsto \mathfrak{s}
`\pesmodifierlettersmallesh` \mapsto \mathfrak{J}
`\pesmodifierlettersmalltwithpalatalhook` \mapsto \mathfrak{t}
`\pesmodifierlettersmallubar` \mapsto \mathfrak{u}
`\pesmodifierlettersmallupsilon` \mapsto \mathfrak{u}
`\pesmodifierlettersmallcapitalu` \mapsto \mathfrak{U}
`\pesmodifierlettersmallvwithhook` \mapsto \mathfrak{v}
`\pesmodifierlettersmallturnedv` \mapsto \mathfrak{v}
`\pesmodifierlettersmallz` \mapsto \mathfrak{z}
`\pesmodifierlettersmallzwithretroflexhook` \mapsto \mathfrak{z}
`\pesmodifierlettersmallzwithcurl` \mapsto \mathfrak{z}
`\pesmodifierlettersmallez` \mapsto \mathfrak{z}
`\pesmodifierlettersmalltheta` \mapsto $\mathfrak{\theta}$

2 List of Unicode codepoints

`\ipatransuc {U+0250}` \mapsto \mathfrak{a}
`\ipatransuc {U+0251}` \mapsto \mathfrak{a}
`\ipatransuc {U+0252}` \mapsto \mathfrak{b}
`\ipatransuc {U+0253}` \mapsto \mathfrak{b}
`\ipatransuc {U+0254}` \mapsto \mathfrak{c}
`\ipatransuc {U+0255}` \mapsto \mathfrak{c}
`\ipatransuc {U+0256}` \mapsto \mathfrak{d}
`\ipatransuc {U+0257}` \mapsto \mathfrak{d}
`\ipatransuc {U+0258}` \mapsto \mathfrak{e}
`\ipatransuc {U+0259}` \mapsto \mathfrak{e}
`\ipatransuc {U+025A}` \mapsto \mathfrak{f}
`\ipatransuc {U+025B}` \mapsto \mathfrak{f}

$\backslash\text{ipatransuc}\{U+025C\} \mapsto \mathfrak{z}$
 $\backslash\text{ipatransuc}\{U+025D\} \mapsto \mathfrak{z}$
 $\backslash\text{ipatransuc}\{U+025E\} \mapsto \mathfrak{z}$
 $\backslash\text{ipatransuc}\{U+025F\} \mapsto \mathfrak{z}$
 $\backslash\text{ipatransuc}\{U+0260\} \mapsto \mathfrak{g}$
 $\backslash\text{ipatransuc}\{U+0261\} \mapsto \mathfrak{g}$
 $\backslash\text{ipatransuc}\{U+0262\} \mapsto \mathfrak{G}$
 $\backslash\text{ipatransuc}\{U+0263\} \mapsto \mathfrak{Y}$
 $\backslash\text{ipatransuc}\{U+0264\} \mapsto \mathfrak{Y}$
 $\backslash\text{ipatransuc}\{U+0265\} \mapsto \mathfrak{u}$
 $\backslash\text{ipatransuc}\{U+0266\} \mapsto \mathfrak{h}$
 $\backslash\text{ipatransuc}\{U+0267\} \mapsto \mathfrak{h}$
 $\backslash\text{ipatransuc}\{U+0268\} \mapsto \mathfrak{i}$
 $\backslash\text{ipatransuc}\{U+0269\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+026A\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+026B\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+026C\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+026D\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+026E\} \mapsto \mathfrak{k}$
 $\backslash\text{ipatransuc}\{U+026F\} \mapsto \mathfrak{u}$
 $\backslash\text{ipatransuc}\{U+0270\} \mapsto \mathfrak{u}$
 $\backslash\text{ipatransuc}\{U+0271\} \mapsto \mathfrak{m}$
 $\backslash\text{ipatransuc}\{U+0272\} \mapsto \mathfrak{n}$
 $\backslash\text{ipatransuc}\{U+0273\} \mapsto \mathfrak{n}$
 $\backslash\text{ipatransuc}\{U+0274\} \mapsto \mathfrak{N}$
 $\backslash\text{ipatransuc}\{U+0275\} \mapsto \mathfrak{e}$
 $\backslash\text{ipatransuc}\{U+0276\} \mapsto \mathfrak{e}$
 $\backslash\text{ipatransuc}\{U+0277\} \mapsto \mathfrak{w}$
 $\backslash\text{ipatransuc}\{U+0278\} \mapsto \mathfrak{p}$
 $\backslash\text{ipatransuc}\{U+0279\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+027A\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+027B\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+027C\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+027D\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+027E\} \mapsto \mathfrak{r}$
 $\backslash\text{ipatransuc}\{U+027F\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+0280\} \mapsto \mathfrak{R}$
 $\backslash\text{ipatransuc}\{U+0281\} \mapsto \mathfrak{K}$
 $\backslash\text{ipatransuc}\{U+0282\} \mapsto \mathfrak{s}$
 $\backslash\text{ipatransuc}\{U+0283\} \mapsto \mathfrak{f}$
 $\backslash\text{ipatransuc}\{U+0284\} \mapsto \mathfrak{f}$
 $\backslash\text{ipatransuc}\{U+0285\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+0286\} \mapsto \mathfrak{f}$
 $\backslash\text{ipatransuc}\{U+0287\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransuc}\{U+0288\} \mapsto \mathfrak{t}$
 $\backslash\text{ipatransuc}\{U+0289\} \mapsto \mathfrak{u}$

$\backslash\mathrm{ipatransuc}\ \{U+028A\} \mapsto \mathfrak{U}$
 $\backslash\mathrm{ipatransuc}\ \{U+028B\} \mapsto \mathfrak{U}$
 $\backslash\mathrm{ipatransuc}\ \{U+028C\} \mapsto \mathfrak{A}$
 $\backslash\mathrm{ipatransuc}\ \{U+028D\} \mapsto \mathfrak{M}$
 $\backslash\mathrm{ipatransuc}\ \{U+028E\} \mapsto \mathfrak{A}$
 $\backslash\mathrm{ipatransuc}\ \{U+028F\} \mapsto \mathfrak{Y}$
 $\backslash\mathrm{ipatransuc}\ \{U+0290\} \mapsto \mathfrak{Z}$
 $\backslash\mathrm{ipatransuc}\ \{U+0291\} \mapsto \mathfrak{Z}$
 $\backslash\mathrm{ipatransuc}\ \{U+0292\} \mapsto \mathfrak{Z}$
 $\backslash\mathrm{ipatransuc}\ \{U+0293\} \mapsto \mathfrak{Z}$
 $\backslash\mathrm{ipatransuc}\ \{U+0294\} \mapsto \mathfrak{Z}$
 $\backslash\mathrm{ipatransuc}\ \{U+0295\} \mapsto \mathfrak{I}$
 $\backslash\mathrm{ipatransuc}\ \{U+0296\} \mapsto \mathfrak{J}$
 $\backslash\mathrm{ipatransuc}\ \{U+0297\} \mapsto \mathfrak{C}$
 $\backslash\mathrm{ipatransuc}\ \{U+0298\} \mapsto \mathfrak{O}$
 $\backslash\mathrm{ipatransuc}\ \{U+0299\} \mapsto \mathfrak{B}$
 $\backslash\mathrm{ipatransuc}\ \{U+029A\} \mapsto \mathfrak{O}$
 $\backslash\mathrm{ipatransuc}\ \{U+029B\} \mapsto \mathfrak{G}$
 $\backslash\mathrm{ipatransuc}\ \{U+029C\} \mapsto \mathfrak{H}$
 $\backslash\mathrm{ipatransuc}\ \{U+029D\} \mapsto \mathfrak{j}$
 $\backslash\mathrm{ipatransuc}\ \{U+029E\} \mapsto \mathfrak{x}$
 $\backslash\mathrm{ipatransuc}\ \{U+029F\} \mapsto \mathfrak{L}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A0\} \mapsto \mathfrak{q}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A1\} \mapsto \mathfrak{Z}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A2\} \mapsto \mathfrak{I}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A3\} \mapsto \mathfrak{dz}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A4\} \mapsto \mathfrak{dz}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A5\} \mapsto \mathfrak{dz}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A6\} \mapsto \mathfrak{ts}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A7\} \mapsto \mathfrak{tf}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A8\} \mapsto \mathfrak{ts}$
 $\backslash\mathrm{ipatransuc}\ \{U+02A9\} \mapsto \mathfrak{fj}$
 $\backslash\mathrm{ipatransuc}\ \{U+02AA\} \mapsto \mathfrak{ls}$
 $\backslash\mathrm{ipatransuc}\ \{U+02AB\} \mapsto \mathfrak{lz}$
 $\backslash\mathrm{ipatransuc}\ \{U+02AC\} \mapsto \mathfrak{w}$
 $\backslash\mathrm{ipatransuc}\ \{U+02AD\} \mapsto \mathfrak{w}$
 $\backslash\mathrm{ipatransuc}\ \{U+02AE\} \mapsto \mathfrak{u}$
 $\backslash\mathrm{ipatransuc}\ \{U+02AF\} \mapsto \mathfrak{u}$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B0\} \mapsto \mathfrak{o}^h$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B1\} \mapsto \mathfrak{o}^h$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B2\} \mapsto \mathfrak{o}^j$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B3\} \mapsto \mathfrak{o}^r$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B4\} \mapsto \mathfrak{o}^i$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B5\} \mapsto \mathfrak{o}^l$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B6\} \mapsto \mathfrak{o}^s$
 $\mathrm{o}\backslash\mathrm{ipatransuc}\ \{U+02B7\} \mapsto \mathfrak{o}^w$

$\text{o\ipatransuc \{U+02B8\} \mapsto O^y}$
 $\text{o\ipatransuc \{U+02B9\} \mapsto O'}$
 $\text{o\ipatransuc \{U+02BA\} \mapsto O''}$
 $\text{o\ipatransuc \{U+02BB\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02BC\} \mapsto O^{\text{p}}$
 $\text{o\ipatransuc \{U+02BD\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02BE\} \mapsto O^{\text{p}}$
 $\text{o\ipatransuc \{U+02BF\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02C0\} \mapsto O^{\text{p}}$
 $\text{o\ipatransuc \{U+02C1\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02C2\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02C3\} \mapsto O^{\text{p}}$
 $\text{o\ipatransuc \{U+02C4\} \mapsto O^{\text{A}}$
 $\text{o\ipatransuc \{U+02C5\} \mapsto O^{\text{v}}$
 $\text{o\ipatransuc \{U+02C6\} \mapsto O^{\text{A}}$
 $\text{o\ipatransuc \{U+02C7\} \mapsto O^{\text{v}}$
 $\text{o\ipatransuc \{U+02C8\} \mapsto O^{\text{i}}$
 $\text{o\ipatransuc \{U+02C9\} \mapsto O^{\text{-}}$
 $\text{o\ipatransuc \{U+02CA\} \mapsto O^{\text{i}}$
 $\text{o\ipatransuc \{U+02CB\} \mapsto O^{\text{`}}$
 $\text{o\ipatransuc \{U+02CC\} \mapsto O^{\text{,}}$
 $\text{o\ipatransuc \{U+02CD\} \mapsto O^{\text{-}}$
 $\text{o\ipatransuc \{U+02CE\} \mapsto O^{\text{,}}$
 $\text{o\ipatransuc \{U+02CF\} \mapsto O^{\text{,}}$
 $\text{o\ipatransuc \{U+02D0\} \mapsto O^{\text{:}}$
 $\text{o\ipatransuc \{U+02D1\} \mapsto O^{\text{r}}$
 $\text{o\ipatransuc \{U+02D2\} \mapsto O^{\text{p}}$
 $\text{o\ipatransuc \{U+02D3\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02D4\} \mapsto O^{\text{+}}$
 $\text{o\ipatransuc \{U+02D5\} \mapsto O^{\text{r}}$
 $\text{o\ipatransuc \{U+02D6\} \mapsto O^{\text{+}}$
 $\text{o\ipatransuc \{U+02D7\} \mapsto O^{\text{-}}$
 $\text{o\ipatransuc \{U+02D8\} \mapsto O^{\text{v}}$
 $\text{o\ipatransuc \{U+02D9\} \mapsto O^{\text{i}}$
 $\text{o\ipatransuc \{U+02DA\} \mapsto O^{\text{o}}$
 $\text{o\ipatransuc \{U+02DB\} \mapsto O^{\text{c}}$
 $\text{o\ipatransuc \{U+02DC\} \mapsto O^{\text{~}}$
 $\text{o\ipatransuc \{U+02DD\} \mapsto O^{\text{''}}$
 $\text{o\ipatransuc \{U+02DE\} \mapsto O^{\text{r}}$
 $\text{o\ipatransuc \{U+02DF\} \mapsto O^{\text{x}}$
 $\text{o\ipatransuc \{U+02E0\} \mapsto O^{\text{Y}}$
 $\text{o\ipatransuc \{U+02E1\} \mapsto O^{\text{l}}$
 $\text{o\ipatransuc \{U+02E2\} \mapsto O^{\text{s}}$
 $\text{o\ipatransuc \{U+02E3\} \mapsto O^{\text{x}}$
 $\text{o\ipatransuc \{U+02E4\} \mapsto O^{\text{f}}$
 $\text{o\ipatransuc \{U+02E5\} \mapsto O^{\text{l}}$

`\ipatransuc {U+02E6} \mapsto O̦`
`\ipatransuc {U+02E7} \mapsto O̧`
`\ipatransuc {U+02E8} \mapsto Ǫ`
`\ipatransuc {U+02E9} \mapsto O̩`
`\ipatransuc {U+02EA} \mapsto O̪`
`\ipatransuc {U+02EB} \mapsto O̫`
`\ipatransuc {U+02EC} \mapsto O̬`
`\ipatransuc {U+02ED} \mapsto O̭`
`\ipatransuc {U+02EE} \mapsto O̮`
`\ipatransuc {U+02EF} \mapsto O̯`
`\ipatransuc {U+02F0} \mapsto O̰`
`\ipatransuc {U+02F1} \mapsto O̱`
`\ipatransuc {U+02F2} \mapsto O̲`
`\ipatransuc {U+02F3} \mapsto O̳`
`\ipatransuc {U+02F4} \mapsto O̴`
`\ipatransuc {U+02F5} \mapsto O̵`
`\ipatransuc {U+02F6} \mapsto O̶`
`\ipatransuc {U+02F7} \mapsto O̷`
`\ipatransuc {U+02F8} \mapsto O̸`
`\ipatransuc {U+02F9} \mapsto O̹`
`\ipatransuc {U+02FA} \mapsto O̺`
`\ipatransuc {U+02FB} \mapsto O̻`
`\ipatransuc {U+02FC} \mapsto O̼`
`\ipatransuc {U+02FD} \mapsto O̽`
`\ipatransuc {U+02FE} \mapsto O̾`
`\ipatransuc {U+02FF} \mapsto O̿`

`\ipauc {U+0250U+0253U+0255} \mapsto e̥b̥c̥`
`\ipauc {/U+0250/U+0253/U+0255} \mapsto e̥b̥c̥`

3 List of Unicode names

`\ipatransun {turneda} \mapsto e̘`
`\ipatransun {alpha} \mapsto a̘`
`\ipatransun {turnedalpha} \mapsto ɒ̘`
`\ipatransun {bwithhook} \mapsto b̘`
`\ipatransun {openo} \mapsto ɔ̘`
`\ipatransun {cwithcurl} \mapsto c̘`
`\ipatransun {dwithtail} \mapsto d̘`
`\ipatransun {dwithhook} \mapsto d̘̣`
`\ipatransun {reversede} \mapsto ɐ̘`
`\ipatransun {schwa} \mapsto ə̘`
`\ipatransun {schwawithhook} \mapsto ə̘̣`
`\ipatransun {opene} \mapsto ɛ̘`
`\ipatransun {reversedopene} \mapsto ɜ̘`

$\backslash\mathrm{ipatransun}\{\mathrm{reversedopenewithhook}\}\mapsto\mathfrak{z}^{\circ}$
 $\backslash\mathrm{ipatransun}\{\mathrm{closedreversedopene}\}\mapsto\mathfrak{z}$
 $\backslash\mathrm{ipatransun}\{\mathrm{dotlessjwithstroke}\}\mapsto\mathfrak{j}$
 $\backslash\mathrm{ipatransun}\{\mathrm{gwithhook}\}\mapsto\mathfrak{g}$
 $\backslash\mathrm{ipatransun}\{\mathrm{scriptg}\}\mapsto\mathfrak{g}$
 $\backslash\mathrm{ipatransun}\{\mathrm{smallcapitalg}\}\mapsto\mathsf{G}$
 $\backslash\mathrm{ipatransun}\{\mathrm{gamma}\}\mapsto\gamma$
 $\backslash\mathrm{ipatransun}\{\mathrm{ramshorn}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedh}\}\mapsto\mathfrak{h}$
 $\backslash\mathrm{ipatransun}\{\mathrm{hwithhook}\}\mapsto\mathfrak{h}$
 $\backslash\mathrm{ipatransun}\{\mathrm{hengwithhook}\}\mapsto\mathfrak{h}$
 $\backslash\mathrm{ipatransun}\{\mathrm{iwithstroke}\}\mapsto\mathfrak{i}$
 $\backslash\mathrm{ipatransun}\{\mathrm{iota}\}\mapsto\mathfrak{i}$
 $\backslash\mathrm{ipatransun}\{\mathrm{smallcapitali}\}\mapsto\mathsf{I}$
 $\backslash\mathrm{ipatransun}\{\mathrm{lwithmiddletilde}\}\mapsto\mathfrak{l}$
 $\backslash\mathrm{ipatransun}\{\mathrm{lwithbelt}\}\mapsto\mathfrak{l}$
 $\backslash\mathrm{ipatransun}\{\mathrm{lwithretroflexhook}\}\mapsto\mathfrak{l}$
 $\backslash\mathrm{ipatransun}\{\mathrm{lezh}\}\mapsto\mathfrak{l}$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedm}\}\mapsto\mathfrak{m}$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedmwithlongleg}\}\mapsto\mathfrak{m}$
 $\backslash\mathrm{ipatransun}\{\mathrm{mwithhook}\}\mapsto\mathfrak{m}$
 $\backslash\mathrm{ipatransun}\{\mathrm{nwithlefthook}\}\mapsto\mathfrak{n}$
 $\backslash\mathrm{ipatransun}\{\mathrm{nwithretroflexhook}\}\mapsto\mathfrak{n}$
 $\backslash\mathrm{ipatransun}\{\mathrm{smallcapitaln}\}\mapsto\mathsf{N}$
 $\backslash\mathrm{ipatransun}\{\mathrm{barredo}\}\mapsto\mathfrak{o}$
 $\backslash\mathrm{ipatransun}\{\mathrm{smallcapitaloe}\}\mapsto\mathfrak{e}$
 $\backslash\mathrm{ipatransun}\{\mathrm{closedomega}\}\mapsto\omega$
 $\backslash\mathrm{ipatransun}\{\mathrm{phi}\}\mapsto\phi$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedr}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedrwithlongleg}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedrwithhook}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{rwithlongleg}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{rwithtail}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{rwithfishhook}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{reversedrwithfishhook}\}\mapsto\mathfrak{r}$
 $\backslash\mathrm{ipatransun}\{\mathrm{smallcapitalr}\}\mapsto\mathsf{R}$
 $\backslash\mathrm{ipatransun}\{\mathrm{smallcapitalinvertedr}\}\mapsto\mathfrak{R}$
 $\backslash\mathrm{ipatransun}\{\mathrm{swithhook}\}\mapsto\mathfrak{s}$
 $\backslash\mathrm{ipatransun}\{\mathrm{esh}\}\mapsto\mathfrak{f}$
 $\backslash\mathrm{ipatransun}\{\mathrm{dotlessjwithstrokeandhook}\}\mapsto\mathfrak{f}$
 $\backslash\mathrm{ipatransun}\{\mathrm{squatreversedesh}\}\mapsto\mathfrak{f}$
 $\backslash\mathrm{ipatransun}\{\mathrm{eshwithcurl}\}\mapsto\mathfrak{f}$
 $\backslash\mathrm{ipatransun}\{\mathrm{turnedt}\}\mapsto\mathfrak{t}$
 $\backslash\mathrm{ipatransun}\{\mathrm{twithretroflexhook}\}\mapsto\mathfrak{t}$
 $\backslash\mathrm{ipatransun}\{\mathrm{ubar}\}\mapsto\mathfrak{u}$
 $\backslash\mathrm{ipatransun}\{\mathrm{upsilon}\}\mapsto\mathfrak{v}$

$\backslash\text{ipatransun}\{\text{vwithhook}\} \mapsto \text{v}$
 $\backslash\text{ipatransun}\{\text{turnedv}\} \mapsto \Lambda$
 $\backslash\text{ipatransun}\{\text{turnedw}\} \mapsto \mathcal{M}$
 $\backslash\text{ipatransun}\{\text{turnedy}\} \mapsto \mathcal{A}$
 $\backslash\text{ipatransun}\{\text{smallcapitaly}\} \mapsto \mathcal{Y}$
 $\backslash\text{ipatransun}\{\text{zwithretroflexhook}\} \mapsto \mathcal{Z}$
 $\backslash\text{ipatransun}\{\text{zwithcurl}\} \mapsto \mathcal{Z}$
 $\backslash\text{ipatransun}\{\text{ezh}\} \mapsto \mathcal{Z}$
 $\backslash\text{ipatransun}\{\text{ezhwithcurl}\} \mapsto \mathcal{Z}$
 $\backslash\text{ipatransun}\{\text{glottalstop}\} \mapsto \mathcal{?}$
 $\backslash\text{ipatransun}\{\text{pharyngealvoicedfricative}\} \mapsto \mathcal{f}$
 $\backslash\text{ipatransun}\{\text{invertedglottalstop}\} \mapsto \mathcal{J}$
 $\backslash\text{ipatransun}\{\text{stretchedc}\} \mapsto \mathcal{C}$
 $\backslash\text{ipatransun}\{\text{bilabialclick}\} \mapsto \mathcal{O}$
 $\backslash\text{ipatransun}\{\text{smallcapitalb}\} \mapsto \mathcal{B}$
 $\backslash\text{ipatransun}\{\text{closedopene}\} \mapsto \mathcal{O}$
 $\backslash\text{ipatransun}\{\text{smallcapitalgwithhook}\} \mapsto \mathcal{G}$
 $\backslash\text{ipatransun}\{\text{smallcapitalh}\} \mapsto \mathcal{H}$
 $\backslash\text{ipatransun}\{\text{jwithcrossed-tail}\} \mapsto \mathcal{j}$
 $\backslash\text{ipatransun}\{\text{turnedk}\} \mapsto \mathcal{K}$
 $\backslash\text{ipatransun}\{\text{smallcapitall}\} \mapsto \mathcal{L}$
 $\backslash\text{ipatransun}\{\text{qwithhook}\} \mapsto \mathcal{q}$
 $\backslash\text{ipatransun}\{\text{glottalstopwithstroke}\} \mapsto \mathcal{?}$
 $\backslash\text{ipatransun}\{\text{reversedglottalstopwithstroke}\} \mapsto \mathcal{f}$
 $\backslash\text{ipatransun}\{\text{dzdigraph}\} \mapsto \mathcal{dz}$
 $\backslash\text{ipatransun}\{\text{dezhdigraph}\} \mapsto \mathcal{dz}$
 $\backslash\text{ipatransun}\{\text{dzdigraphwithcurl}\} \mapsto \mathcal{dz}$
 $\backslash\text{ipatransun}\{\text{tsdigraph}\} \mapsto \mathcal{ts}$
 $\backslash\text{ipatransun}\{\text{teshdigraph}\} \mapsto \mathcal{tf}$
 $\backslash\text{ipatransun}\{\text{tcdigraphwithcurl}\} \mapsto \mathcal{tc}$
 $\backslash\text{ipatransun}\{\text{fengdigraph}\} \mapsto \mathcal{fj}$
 $\backslash\text{ipatransun}\{\text{lsdigraph}\} \mapsto \mathcal{ls}$
 $\backslash\text{ipatransun}\{\text{lzdigraph}\} \mapsto \mathcal{lz}$
 $\backslash\text{ipatransun}\{\text{bilabialpercussive}\} \mapsto \mathcal{W}$
 $\backslash\text{ipatransun}\{\text{bidentalpercussive}\} \mapsto \mathcal{W}$
 $\backslash\text{ipatransun}\{\text{turnedhwithfishhook}\} \mapsto \mathcal{u}$
 $\backslash\text{ipatransun}\{\text{turnedhwithfishhookandtail}\} \mapsto \mathcal{u}$
 $\text{o}\backslash\text{ipatransun}\{\text{mlh}\} \mapsto \mathcal{O}^h$
 $\text{o}\backslash\text{ipatransun}\{\text{mlhwithhook}\} \mapsto \mathcal{O}^h$
 $\text{o}\backslash\text{ipatransun}\{\text{mlj}\} \mapsto \mathcal{O}^j$
 $\text{o}\backslash\text{ipatransun}\{\text{mlr}\} \mapsto \mathcal{O}^r$
 $\text{o}\backslash\text{ipatransun}\{\text{mlturnedr}\} \mapsto \mathcal{O}^t$
 $\text{o}\backslash\text{ipatransun}\{\text{mlturnedrwithhook}\} \mapsto \mathcal{O}^t$
 $\text{o}\backslash\text{ipatransun}\{\text{mlcapitalinvertedr}\} \mapsto \mathcal{O}^B$
 $\text{o}\backslash\text{ipatransun}\{\text{mlw}\} \mapsto \mathcal{O}^w$
 $\text{o}\backslash\text{ipatransun}\{\text{mly}\} \mapsto \mathcal{O}^y$

$\text{o\ipatransun \{mlprime\} \mapsto o'}$
 $\text{o\ipatransun \{mldoubleprime\} \mapsto o''}$
 $\text{o\ipatransun \{mlturnedcomma\} \mapsto o'}$
 $\text{o\ipatransun \{mlapostrophe\} \mapsto o'}$
 $\text{o\ipatransun \{mlreversedcomma\} \mapsto o'}$
 $\text{o\ipatransun \{mlrighthalfring\} \mapsto o'}$
 $\text{o\ipatransun \{mllefthalfring\} \mapsto o'}$
 $\text{o\ipatransun \{mlglottalstop\} \mapsto o'}$
 $\text{o\ipatransun \{mlreversedglottalstop\} \mapsto o'}$
 $\text{o\ipatransun \{mlleftarrowhead\} \mapsto o'}$
 $\text{o\ipatransun \{mlrightarrowhead\} \mapsto o'}$
 $\text{o\ipatransun \{mluparrowhead\} \mapsto o'}$
 $\text{o\ipatransun \{mldownarrowhead\} \mapsto o'}$
 $\text{o\ipatransun \{mlcircumflexaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mlcaron\} \mapsto o'}$
 $\text{o\ipatransun \{mlverticalline\} \mapsto o'}$
 $\text{o\ipatransun \{mlmacron\} \mapsto o'}$
 $\text{o\ipatransun \{mlacuteaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mlgraveaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mllowverticalline\} \mapsto o'}$
 $\text{o\ipatransun \{mllowmacron\} \mapsto o'}$
 $\text{o\ipatransun \{mllowgraveaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mllowacuteaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mltriangularcolon\} \mapsto o'}$
 $\text{o\ipatransun \{mlhalftriangularcolon\} \mapsto o'}$
 $\text{o\ipatransun \{mlcentredrighthalfring\} \mapsto o'}$
 $\text{o\ipatransun \{mlcentredlefthalfring\} \mapsto o'}$
 $\text{o\ipatransun \{mluptack\} \mapsto o'}$
 $\text{o\ipatransun \{mldowntack\} \mapsto o'}$
 $\text{o\ipatransun \{mlplussign\} \mapsto o'}$
 $\text{o\ipatransun \{mlminussign\} \mapsto o'}$
 $\text{o\ipatransun \{mlbreve\} \mapsto o'}$
 $\text{o\ipatransun \{mldotabove\} \mapsto o'}$
 $\text{o\ipatransun \{mlringabove\} \mapsto o'}$
 $\text{o\ipatransun \{mlogonek\} \mapsto o'}$
 $\text{o\ipatransun \{mlsmalltilde\} \mapsto o'}$
 $\text{o\ipatransun \{mldoubleacuteaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mlrhotichook\} \mapsto o'}$
 $\text{o\ipatransun \{mlcrossaccent\} \mapsto o'}$
 $\text{o\ipatransun \{mlsmallgamma\} \mapsto o'}$
 $\text{o\ipatransun \{mlsmalll\} \mapsto o'}$
 $\text{o\ipatransun \{mlsmalls\} \mapsto o'}$
 $\text{o\ipatransun \{mlsmallx\} \mapsto o'}$
 $\text{o\ipatransun \{mlsmallreversedglottalstop\} \mapsto o'}$
 $\text{o\ipatransun \{mlextra-hightonebar\} \mapsto o'}$
 $\text{o\ipatransun \{mlhightonebar\} \mapsto o'}$

`\ipatransun {mlmidtonebar}` \mapsto O^{\mid}
`\ipatransun {mllowtonebar}` \mapsto O^{\downarrow}
`\ipatransun {mlextra-lowtonebar}` \mapsto $\text{O}^{\downarrow\downarrow}$
`\ipatransun {mlyindepartingtonemark}` \mapsto $\text{O}^{\text{˘}}$
`\ipatransun {mlyangdepartingtonemark}` \mapsto $\text{O}^{\text{ˆ}}$
`\ipatransun {mlvoicing}` \mapsto $\text{O}^{\text{˙}}$
`\ipatransun {mlunaspirated}` \mapsto $\text{O}^{\text{=}}$
`\ipatransun {mldoubleapostrophe}` \mapsto $\text{O}^{\text{”}}$
`\ipatransun {mllowdownarrowhead}` \mapsto $\text{O}^{\downarrow\downarrow}$
`\ipatransun {mllowuparrowhead}` \mapsto $\text{O}^{\uparrow\uparrow}$
`\ipatransun {mllowleftarrowhead}` \mapsto O^{\leftarrow}
`\ipatransun {mllowrightarrowhead}` \mapsto O^{\rightarrow}
`\ipatransun {mllowring}` \mapsto O°
`\ipatransun {mlmiddlegraveaccent}` \mapsto $\text{O}^{\text{˘}}$
`\ipatransun {mlmiddledoublegraveaccent}` \mapsto $\text{O}^{\text{˘˘}}$
`\ipatransun {mlmiddledoubleacuteaccent}` \mapsto $\text{O}^{\text{ˆˆ}}$
`\ipatransun {mllowtilde}` \mapsto O^{\sim}
`\ipatransun {mlraisedcolon}` \mapsto $\text{O}^{\text{ː}}$
`\ipatransun {mlbeginhightone}` \mapsto $\text{O}^{\text{ˊ}}$
`\ipatransun {mlendhightone}` \mapsto $\text{O}^{\text{ˋ}}$
`\ipatransun {mlbeginlowtone}` \mapsto $\text{O}^{\text{ˊ}}$
`\ipatransun {mlendlowtone}` \mapsto $\text{O}^{\text{ˋ}}$
`\ipatransun {mlshelf}` \mapsto $\text{O}^{\text{ˊ}}$
`\ipatransun {mlopenshelf}` \mapsto $\text{O}^{\text{ˋ}}$
`\ipatransun {mllowleftarrow}` \mapsto O^{\leftarrow}

`\ipaun {turnedabwithhookcwithcurl}` \mapsto $\text{e}^{\text{b}^{\text{c}}}$
`\ipaun {/turneda/bwithhook/cwithcurl}` \mapsto $\text{e}^{\text{b}^{\text{c}}}$

4 List of Typing shortcuts

`\ipatransts {aturn}` \mapsto e
`\ipatransts {alpha}` \mapsto α
`\ipatransts {alphaturn}` \mapsto e
`\ipatransts {bhook}` \mapsto b^{h}
`\ipatransts {oopen}` \mapsto o
`\ipatransts {ccurl}` \mapsto c^{c}
`\ipatransts {dtail}` \mapsto d^{t}
`\ipatransts {dhook}` \mapsto d^{h}
`\ipatransts {ereverse}` \mapsto e^{r}
`\ipatransts {schwa}` \mapsto ə
`\ipatransts {schwahook}` \mapsto ə^{h}
`\ipatransts {eopen}` \mapsto e^{o}
`\ipatransts {eopenreverse}` \mapsto e^{r}
`\ipatransts {eopenreversehook}` \mapsto $\text{e}^{\text{r}^{\text{h}}}$

$\backslash\text{ipatransts}\{\text{eopenreverseclose}\}\mapsto\mathfrak{G}$
 $\backslash\text{ipatransts}\{\text{jdotlessbar}\}\mapsto\mathfrak{J}$
 $\backslash\text{ipatransts}\{\text{ghook}\}\mapsto\mathfrak{G}$
 $\backslash\text{ipatransts}\{\text{gscript}\}\mapsto\mathfrak{g}$
 $\backslash\text{ipatransts}\{\text{gsmallcap}\}\mapsto\mathfrak{G}$
 $\backslash\text{ipatransts}\{\text{gamma}\}\mapsto\Upsilon$
 $\backslash\text{ipatransts}\{\text{ram}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{hturn}\}\mapsto\mathfrak{U}$
 $\backslash\text{ipatransts}\{\text{hhook}\}\mapsto\mathfrak{H}$
 $\backslash\text{ipatransts}\{\text{henghook}\}\mapsto\mathfrak{H}$
 $\backslash\text{ipatransts}\{\text{ibar}\}\mapsto\mathfrak{i}$
 $\backslash\text{ipatransts}\{\text{iota}\}\mapsto\mathfrak{I}$
 $\backslash\text{ipatransts}\{\text{ismallcap}\}\mapsto\mathfrak{I}$
 $\backslash\text{ipatransts}\{\text{ltilde}\}\mapsto\mathfrak{L}$
 $\backslash\text{ipatransts}\{\text{lbelt}\}\mapsto\mathfrak{L}$
 $\backslash\text{ipatransts}\{\text{lrhook}\}\mapsto\mathfrak{L}$
 $\backslash\text{ipatransts}\{\text{lezh}\}\mapsto\mathfrak{L}$
 $\backslash\text{ipatransts}\{\text{mturn}\}\mapsto\mathfrak{U}$
 $\backslash\text{ipatransts}\{\text{mtulongleg}\}\mapsto\mathfrak{U}$
 $\backslash\text{ipatransts}\{\text{mhook}\}\mapsto\mathfrak{M}$
 $\backslash\text{ipatransts}\{\text{nlefthook}\}\mapsto\mathfrak{N}$
 $\backslash\text{ipatransts}\{\text{nrhook}\}\mapsto\mathfrak{N}$
 $\backslash\text{ipatransts}\{\text{nsmallcap}\}\mapsto\mathfrak{N}$
 $\backslash\text{ipatransts}\{\text{oobar}\}\mapsto\mathfrak{O}$
 $\backslash\text{ipatransts}\{\text{oesmallcap}\}\mapsto\mathfrak{O}$
 $\backslash\text{ipatransts}\{\text{omegaclose}\}\mapsto\mathfrak{O}$
 $\backslash\text{ipatransts}\{\text{phi}\}\mapsto\mathfrak{P}$
 $\backslash\text{ipatransts}\{\text{rturn}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rturnlongleg}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rturnhook}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rlongleg}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rtail}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rfishhook}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rreversefishhook}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rsmallcap}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{rinvertsmallcap}\}\mapsto\mathfrak{R}$
 $\backslash\text{ipatransts}\{\text{shook}\}\mapsto\mathfrak{S}$
 $\backslash\text{ipatransts}\{\text{esh}\}\mapsto\mathfrak{S}$
 $\backslash\text{ipatransts}\{\text{jdotlessbarhook}\}\mapsto\mathfrak{J}$
 $\backslash\text{ipatransts}\{\text{eshreversesquat}\}\mapsto\mathfrak{J}$
 $\backslash\text{ipatransts}\{\text{eshcurl}\}\mapsto\mathfrak{J}$
 $\backslash\text{ipatransts}\{\text{tturn}\}\mapsto\mathfrak{T}$
 $\backslash\text{ipatransts}\{\text{trhook}\}\mapsto\mathfrak{T}$
 $\backslash\text{ipatransts}\{\text{ubar}\}\mapsto\mathfrak{U}$
 $\backslash\text{ipatransts}\{\text{upsilon}\}\mapsto\mathfrak{U}$
 $\backslash\text{ipatransts}\{\text{vhook}\}\mapsto\mathfrak{V}$

$\backslash\text{ipatransts}\{\text{vturn}\} \mapsto \Lambda$
 $\backslash\text{ipatransts}\{\text{wturn}\} \mapsto \mathcal{M}$
 $\backslash\text{ipatransts}\{\text{yturn}\} \mapsto \mathcal{A}$
 $\backslash\text{ipatransts}\{\text{ysmallcap}\} \mapsto \mathbf{Y}$
 $\backslash\text{ipatransts}\{\text{zrhook}\} \mapsto \mathcal{Z}_\downarrow$
 $\backslash\text{ipatransts}\{\text{zcurl}\} \mapsto \mathbb{Z}$
 $\backslash\text{ipatransts}\{\text{ezh}\} \mapsto \mathfrak{Z}$
 $\backslash\text{ipatransts}\{\text{ezhcurl}\} \mapsto \mathfrak{Z}$
 $\backslash\text{ipatransts}\{\text{gs}\} \mapsto \mathcal{Z}$
 $\backslash\text{ipatransts}\{\text{phar}\} \mapsto \mathfrak{I}$
 $\backslash\text{ipatransts}\{\text{gsinvert}\} \mapsto \mathfrak{J}$
 $\backslash\text{ipatransts}\{\text{cstretch}\} \mapsto \mathcal{C}$
 $\backslash\text{ipatransts}\{\text{bclick}\} \mapsto \mathcal{O}$
 $\backslash\text{ipatransts}\{\text{bsmallcap}\} \mapsto \mathbf{B}$
 $\backslash\text{ipatransts}\{\text{eopenclose}\} \mapsto \mathfrak{O}$
 $\backslash\text{ipatransts}\{\text{ghooksmallcap}\} \mapsto \mathcal{G}$
 $\backslash\text{ipatransts}\{\text{hsmallcap}\} \mapsto \mathbf{H}$
 $\backslash\text{ipatransts}\{\text{jcross tail}\} \mapsto \mathfrak{j}$
 $\backslash\text{ipatransts}\{\text{kturn}\} \mapsto \mathfrak{K}$
 $\backslash\text{ipatransts}\{\text{lsmallcap}\} \mapsto \mathbf{L}$
 $\backslash\text{ipatransts}\{\text{qhook}\} \mapsto \mathfrak{q}$
 $\backslash\text{ipatransts}\{\text{gsbar}\} \mapsto \mathcal{Z}$
 $\backslash\text{ipatransts}\{\text{gsreversebar}\} \mapsto \mathfrak{Z}$
 $\backslash\text{ipatransts}\{\text{dz}\} \mapsto \mathfrak{dz}$
 $\backslash\text{ipatransts}\{\text{dezh}\} \mapsto \mathfrak{dz}$
 $\backslash\text{ipatransts}\{\text{dzcurl}\} \mapsto \mathfrak{dz}$
 $\backslash\text{ipatransts}\{\text{ts}\} \mapsto \mathfrak{ts}$
 $\backslash\text{ipatransts}\{\text{tesh}\} \mapsto \mathfrak{t}$
 $\backslash\text{ipatransts}\{\text{tccurl}\} \mapsto \mathfrak{ts}$
 $\backslash\text{ipatransts}\{\text{feng}\} \mapsto \mathfrak{f}$
 $\backslash\text{ipatransts}\{\text{ls}\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransts}\{\text{lz}\} \mapsto \mathfrak{l}$
 $\backslash\text{ipatransts}\{\text{blibalperc}\} \mapsto \mathfrak{w}$
 $\backslash\text{ipatransts}\{\text{bidentperc}\} \mapsto \mathfrak{w}$
 $\backslash\text{ipatransts}\{\text{hturnfishhook}\} \mapsto \mathfrak{u}$
 $\backslash\text{ipatransts}\{\text{hturnfishhooktail}\} \mapsto \mathfrak{u}$
 $\text{o}\backslash\text{ipatransts}\{\text{mlh}\} \mapsto \mathfrak{o}^h$
 $\text{o}\backslash\text{ipatransts}\{\text{mlhhook}\} \mapsto \mathfrak{o}^h$
 $\text{o}\backslash\text{ipatransts}\{\text{mlj}\} \mapsto \mathfrak{o}^j$
 $\text{o}\backslash\text{ipatransts}\{\text{mlr}\} \mapsto \mathfrak{o}^r$
 $\text{o}\backslash\text{ipatransts}\{\text{mlrturn}\} \mapsto \mathfrak{o}^r$
 $\text{o}\backslash\text{ipatransts}\{\text{mlrturnhook}\} \mapsto \mathfrak{o}^r$
 $\text{o}\backslash\text{ipatransts}\{\text{mlrsmallcapinvert}\} \mapsto \mathfrak{o}^r$
 $\text{o}\backslash\text{ipatransts}\{\text{mlw}\} \mapsto \mathfrak{o}^w$
 $\text{o}\backslash\text{ipatransts}\{\text{mly}\} \mapsto \mathfrak{o}^y$
 $\text{o}\backslash\text{ipatransts}\{\text{mlprime}\} \mapsto \mathfrak{o}'$

$\backslash\text{ipatransts}\{\text{mldprime}\}\mapsto\mathbf{0}''$
 $\backslash\text{ipatransts}\{\text{mlcommaturn}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlapo}\}\mapsto\mathbf{0}'$
 $\backslash\text{ipatransts}\{\text{mlcommareverse}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlringright}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlringleft}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlgs}\}\mapsto\mathbf{0}''$
 $\backslash\text{ipatransts}\{\text{mlgsreverse}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlarrowleft}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlarrowright}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlarrowhup}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlarrowhdown}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlcircum}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlcaron}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlvert}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlmacron}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlacute}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlgrave}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlvertlow}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlmacronlow}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlgravelow}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlacutelow}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltricolon}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltricolonhalf}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlringrightc}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlringleftc}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltackup}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltackdown}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlplus}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlminus}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlbreve}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mldotabove}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlringabove}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlogonek}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltilde}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlacutedouble}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlhookrhotic}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlcross}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlgamma}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mll}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mls}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlx}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mlgsreversesmall}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltoneeh}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltoneh}\}\mapsto\mathbf{0}'^{\circ}$
 $\backslash\text{ipatransts}\{\text{mltonem}\}\mapsto\mathbf{0}'^{\circ}$

`o\ipatransts {mltone1} \mapsto O↓`
`o\ipatransts {mltoneel} \mapsto O↓`
`o\ipatransts {mltoneyin} \mapsto OⓁ`
`o\ipatransts {mltoneyang} \mapsto OⓇ`
`o\ipatransts {mlvoice} \mapsto Ov`
`o\ipatransts {mlunaspl} \mapsto Ou`
`o\ipatransts {mldapo} \mapsto Ou`
`o\ipatransts {mlarrowhdownlow} \mapsto Ov`
`o\ipatransts {mlarrowhuplow} \mapsto Ou`
`o\ipatransts {mlarrowhleftlow} \mapsto Ol`
`o\ipatransts {mlarrowhrightlow} \mapsto Or`
`o\ipatransts {mlring} \mapsto Oo`
`o\ipatransts {mlgravemiddle} \mapsto O˘`
`o\ipatransts {mlgravedouble} \mapsto O˝`
`o\ipatransts {mlacutedmiddle} \mapsto Oˆ`
`o\ipatransts {mltildelow} \mapsto O~`
`o\ipatransts {mlcolonraised} \mapsto O:`
`o\ipatransts {mlhighbegin} \mapsto Oˆ`
`o\ipatransts {mlhighend} \mapsto Oˆ`
`o\ipatransts {mllowbegin} \mapsto Ol`
`o\ipatransts {mllowend} \mapsto Or`
`o\ipatransts {mlshelf} \mapsto Ol`
`o\ipatransts {mlshelfopen} \mapsto Ol`
`o\ipatransts {mlarrowleftlow} \mapsto Ol`

`\ipats {aturnbhookccurl} \mapsto eḃḥ`
`\ipats {/aturn/bhook/ccurl} \mapsto eḃḥ`

5 Environments

`ipatransuce: eḃḥ`
`ipatransune: eḃḥ`
`ipatranstse: eḃḥ`

6 Usage

`direct input: [aɪ phi: eɪ]`
`transliteration:`
`[\ipats {aismallcap pmlhimltricolon eismallcap}] \mapsto [aɪ phi: eɪ]`
`\ipats {[///a/ismallcap /p/mlh/i/mltricolon e/ismallcap]} \mapsto [aɪ`
`phi: eɪ]`