VII if Vowel-final Stem- > 0s: Stemw e.g. mihkwâ- > mihkwâw

[ exception: a few are marked as plural = 0p: Stemwa ]

if n-final Stem- > 0s: Stem e.g. pimamon- > pimamon

[ exception: a few are marked as plural = 0p: Stemwa ]

VAI if Vowel-final (VAI1) Stem- > 3s: Stemw e.g. mihkosi- > mihkosiw

[ exception: a few are marked as plural = 0p: Stemwak ]

if n-final (VAI2) Stem- > 3s: Stem e.g. pimisin- > pimisin

[ exception: a few are marked as plural = 0p: Stemwak ]

if /a(m)/-final (VAI3) - these would have been listed as VTI in Word Perfect (WP)

VTI (VTI1) Stem- > 3s-0’: Stemam e.g. wâpaht- > wâpahtam

[ exception: a few are marked as plural = 3p-0’: Stemamwak ]

VAIt These all became VTI2 and VTI3

All of these, most ending in /â/: Stem- > 3s-0’: Stemw e.g. osîhtâ- > osîhtâw

[ exception: a few are marked as plural = 3p-0’: Stemwak ]

VTA All stem subtypes Stem- > 3s-4 Stemêw e.g. wîcih- > wîcihêw

[ exception: a few are marked as plural = 3p-4: Stemêwak ]

**Note** about exceptions given in plural – most will have semantic reasons difficult to codify. However, all reciprocal VAI verbs (usually ending in -ito, -to, -hto-) will be plural.

NA NA1 Stem- > Stem e.g. mahihkan- > mahihkan

NA2 Stem- > Stem e.g. iskwêw- > iskwêw

NA3 Stemw- > Stem e.g. atimw- > atim

NA4 Stem- > Stema e.g. nisk- > niska

NA4w Stemw- > Stemwa e.g. maskw- > maskwa

NDA NDA1 -Stem- > 1sPos: n(i)Stem e.g. -mosôm- > nimosôm

NDA2 -Stem- > 1sPos: n(i)Stem e.g. -kâwiy- > nikâwiy

NDA3 -Stemw- > 1sPos: n(i)Stem e.g. -îtimw- > nîtim

NDA4 -Stem- > 1sPos: n(i)Stema e.g. -îw- > nîwa

NDA4w -Stemw- > 1sPos: n(i)Stem(wa) e.g. -îskw- > nîskwa

NI NI1 Stem- > Stem e.g. maskisin- > maskisin

NI2 Stem- > Stem e.g. mêskanaw- > mêskanaw

NI3 Stemw- > Stem e.g. pahkêkinw- > pahkêkin

NI4 Stem- > Stemi e.g. wâw- > wâwi

NI4w Stemw- > Stemo e.g. mihkw- > mihko

NI NDI1 Stem- > 1sPos: m(i)Stem e.g. -tôn- > mitôn

> 1sPos: n(i)Stem e.g. -tôn- > nitôn

NDI2 Stem- > 1sPos: m(i)Stem e.g. -têyaniy- > mitêyaniy

> 1sPos: n(i)Stem e.g. -têyaniy- > nitêyaniy

NDI3 Stemw- > 1sPos: m(i)Stem e.g. -kitikw- > mikitik

> 1sPos: n(i)Stem e.g. -kitikw- > nikitik

NDI4 Stem- ~~> 1sPos: m(i)Stem e.g.~~ n/a

> 1sPos: n(i)Stemi e.g. -îk- > nîki (the only example)

~~NDI~~~~4w~~ ~~Stemw- > Stemo e.g.~~ n/a

Note: NDI stems occur in both (unspecified possessor)/unpossessed *m(i)-* and 1s *n(i)-* forms. There are also a limited number of (non-kinship) NDA stems that can also take the *m(i)-* unspecified Possessor prefix, in which case both *n(i)-* and *m(i)-* forms occur in the Toolbox database – and such NDA examples, along with all such NDI examples, can share the same sources (based on stem, not individual forms).

All **IPC** and **PR** (> PrI and PrA) should be the same in WP and Toolbox (TB)

All **IPV** should have a hyphen following in Toolbox (did they in the original WP files?)

Similar for **IPN** and **IPP** (though there may not have been many in the original WP?)

Not sure if **IPH** was used as a code in WP files. If not, it is likely they were listed as IPC and then changed to IPH for Word/TB.