

Here is some psuedo-code for the 4 over-ride cases ...
(Nomenclature follows DS01)

DEALING ONLY WITH OVERRIDE #1 & #2 FOR NOW

OverRide #1

U+1822

```
I ← First Medial Form ᠮ
If (Initial_Vowel[A,E,O,U,EE]+I+Mongolian_Letter)
  OR
  (Medial_Vowel[A,E,O,U,EE]+I+Mongolian_Letter)
  OR
  ((Medial_Vowel[OE,UE]+I+Mongolian_Letter)
    ANDNOT(Medial_Vowel_In_First_Syllable)
    ANDNOT(Medial_Vowel_Followed_By_FVS1)
    ANDNOT(Medial_Vowel_Followed_By_FVS2))
then I ← Fourth Medial Form ᠮ
If (I+FVS2) /*This is OverRide #1 over-riding normal grammatical rulings – special case of NAIMA*/
  then I ← Third Medial Form ᠮ
```

OverRide #2

U+1828

```
N ← First Medial Form ᠨ
If (Initial_Vowel+N+Mongolian_Vowel)
  OR
  (Medial_Vowel+N+Mongolian_Vowel)
then N ← Second Medial Form ᠨ
If (N+FVS2) /*This is OverRide #2 over-riding normal grammatical rulings special case of compound names*/
  then N ← Third Medial Form ᠨ
```

OverRide #3

182D Medial G

```
G ← First Medial Form ᠭ
If (Consonant preceding G is not D/S) AND (Vowel following G is 1820/1823/1824/1888)
  then G ← Second Medial Form ᠭ
    If (G+FVS2) /*This is OverRide #3 over-riding normal grammatical rulings */
      then G ← Third Medial Form ᠭ
```

OverRide #4

182D Final G

```
/* Only considers case Xn +G+(Nothing OR WhiteSpace(MVS and NNBS are not white-space)) where n
<= 20 (n is set somewhat arbitrarily)*/
```

G ← First Final Form



If ((X_{1..n-1} = 1821_{Initial or Medial or a Ligature containing 1821})

OR

(X_{1..n-1} = 1822_{Initial or Medial or a Ligature containing 1822})

OR

(X_{1..n-1} = 1825_{Initial or Medial or a Ligature containing 1825})

OR

(X_{1..n-1} = 1826_{Initial or Medial or a Ligature containing 1826})

OR

(X_{1..n-1} = 1827_{Initial or Medial or a Ligature containing 1827}))

then G ← Third Final Form



If (I+FVS1) /*This is OverRide #4 over-riding normal grammatical rulings for special small subset of feminine words using a masculine Final G */

then G ← Second Final Form

