

## Proposal to add a Stability Policy: No more decompositions to combining marks (revised)

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I propose to add the following to the Property Value Stability Table:

Group: Normalization; Property: Decomposition\_Mapping; Applicable Versions: 2.1+

Constraint: For characters with an Age property value greater than 2.0, canonical mappings (Decomposition\_Mapping property values) to a pair of characters are limited such that the first of those characters must have ccc=0. This is not true for all Decomposition\_Mapping values for characters with Age 2.0 or lower.

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Rationale:

- Such characters are already required to have the Full\_Composition\_Exclusion property and are thus decomposed in NFC.
- Such characters complicate enumerating the set of strings that are canonically equivalent to an input string.
- Collation contractions with non-leading combining marks of a decomposition mapping complicate collation of text that is not fully decomposed.

List of exceptional characters:

### Age=1.1

[U+0344](#) ( ◌̣ ) COMBINING GREEK DIALYTIKA TONO

### Age=2.0

[U+0F73](#) ( ༎ ) TIBETAN VOWEL SIGN II

[U+0F75](#) ( ༎ ) TIBETAN VOWEL SIGN UU

[U+0F81](#) ( ༎ ) TIBETAN VOWEL SIGN REVERSED II