



UTR#50 Data Review
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Koji Ishii

Quotes: U+2018-201F

- ▶ **Current=U for Single, R for Double**
 - ▶ Koji/JLTF=UU, f=RU or RR, M/T=RR
- ▶ **Arguments for R**
 - ▶ Should never be used in native context if vertical
 - ▶ JLREQ recommends to replace DQ with U+301D/301F for books
 - ▶ Chinese recommends to replace DQ with Corner Brackets
 - ▶ U+2019 is apostrophe, used in European names
 - ▶ Adobe software sets R
- ▶ **Arguments for U**
 - ▶ JIS defines SQ to U (DQ=undefined)
 - ▶ DQ U is used in magazines, ads, subtitles, etc. today
 - ▶ Not in literatures for these 20-30 years
 - ▶ Users do not to follow typographers' rules and want to use DQ U
 - ▶ MS Word sets U (if Japanese keyboard is used to type)

U+00D7: MULTIPLICATION SIGN

- ▶ Current=R, Koji/JLTF=U, f/M/T=R
- ▶ Arguments for R
 - ▶ GC is Sm (Symbols, Math) and most Sm are R
 - ▶ Professional math is out-of-scope, but this is simple math
- ▶ Arguments for U
 - ▶ More often used as non-math than math
 - ▶ Often used with $\bigcirc \triangle \times$ (U+25CB/25B3) in Japan
 - ▶ Y/N or \checkmark /blank table is usually expressed as \bigcirc / \times in Japan
 - ▶ Japanese Input Methods convert “cross mark” to U+00D7
 - ▶ Means “v.s.” or “and” – e.g., “Interview of Gates \times Jobs,” “Boxing game of foo \times bar,” “Men \times Women”
 - ▶ Masking proper nouns, dirty words, etc., e.g., “ソ \times ー” for SONY
 - ▶ Simple math usually sets digits to U or TCY

Number Suffixes and Units

- ▶ Current=U, Koji/JLTF=U, M/T=R
- ▶ U+2113 ℓ, U+2126 Ω, etc.
- ▶ Arguments for U
 - ▶ #2 and #3 are used in real world
 - ▶ #1/#2/#3 are Japanese, #8 is Latin and should markup
- ▶ Arguments for R
 - ▶ Users should use #1 or #8, all others are wrong and ignorant
 - ▶ #8 is Latin used within Japanese, so call it Japanese
 - ▶ These are Latin originated

④ 120% の世界	③ 120 % の世界	② 1 2 0 % の世界	① 百 二 十 八 ー 三 ル
⑧ 120% の世界	⑦ 120 % の世界	⑥ 1 2 0 % の世界	

Arrow-Likes U+1F446-1F449

- ▶ Current=U, Koji/JLTF=U, M=R because U+261A-261F=R
- ▶ Possible resolutions
 1. Change to R
 2. Arrow-likes are R, but these are Emoji where block consistency is more important
 3. We took R for arrow-likes in the past, but now we prefer simpler approach. We can't go back and fix all what we resolved at this point, inconsistencies here is unfortunate
 4. Go back and fix all arrow-likes to U
- ▶ Koji=3 or 2

Mathematical Letters in Letterlike Symbols

- ▶ Current=U, Koji/JLTF=U, f/M/T=R
- ▶ 37 code points: U+2102 ℄, U+210C §, U+2135 №, etc.
- ▶ Arguments for R
 - ▶ Part of Mathematical Alphanumeric Symbols set, but encoded earlier: rest of alphabet (part in U+ID400 block) is R
 - ▶ Consistency with digits and math
 - ▶ Originated in Latin
 - ▶ None of them are EAW=A
- ▶ Arguments for U
 - ▶ Consistency within Letterlike Symbols block where Symbols=U
 - ▶ Some of them are in JIS 0213, may add more in future
 - ▶ EAW doesn't take later definitions than JIS 0208 into account
 - ▶ Math needs markup
 - ▶ No authors/vendors want this many changes any longer, except a few

U+2016 DOUBLE VERTICAL LINE

- ▶ Current=U, Koji/JLTF/f=U, M/T=R
- ▶ Arguments for U
 - ▶ JIS X4051 defines U
 - ▶ MS fonts set U
- ▶ Arguments for R
 - ▶ The arguments of JIS/JLREQ are wrong or invalid according to *The Elements of Typographic Style* or *Chicago Manual of Style*
 - ▶ Is not widely used in publications
 - ▶ Adobe fonts set R

Current=U, Proposed to R

- ▶ WG agreed
- ▶ U+02E5..02E9: MODIFIER LETTER TONE BARs
 - ▶ Requested from fantasai
- ▶ U+2434: OPEN BOX
 - ▶ Requested from East Asian subsidiaries