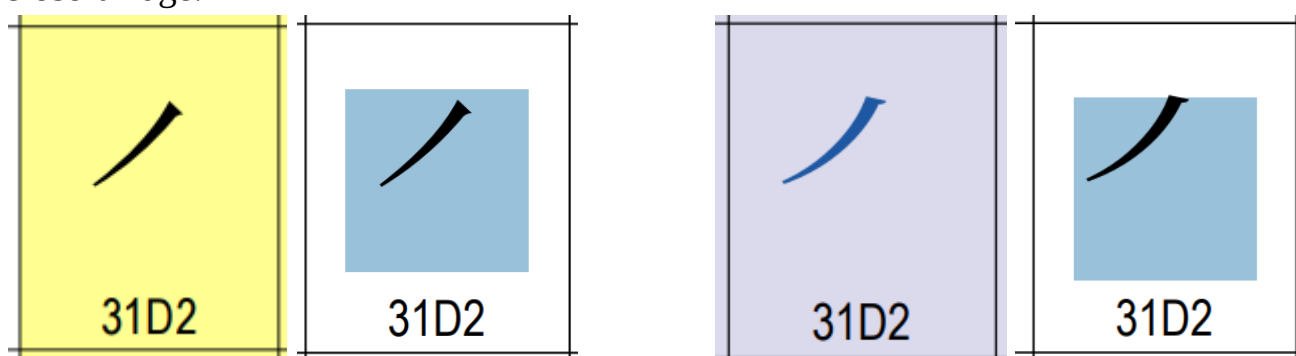


Title: Proposal to modify the representative glyph of U+31D2 CJK STROKE P 𠂇 (撇)

Author: Night Koo

Date: 2023-10-01

This is a proposal to modify the representative glyph of U+31D2 CJK STROKE P 𠂇 (撇) in CJK Strokes block. Below shows the representative glyph of U+3029 as registered in Unicode 5.1 on the left, and Unicode 15.1 on the right. The current glyph (on the right) is provided by *CJK Strokes* as provided in [L2/20-058](#). Notice that the stroke is shown at the top in Unicode 5.1, and at the top left in Unicode 14.0; both of them takes up around half the visible height only and seems to be shrunk in the top left corner. Below shows the glyph for CJK STROKE P as it were added, and the selection box when selecting the character in Microsoft Edge.

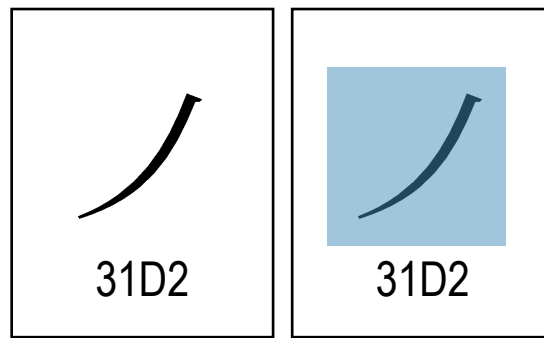


Unicode 5.1 and 13.0 on left, Unicode 14.0 and 15.1 on right

𠂇	𠂇	𠂇
31C1	31D1	31E1
𠂇	𠂇	𠂇
31C2	31D2	31E2
𠂇	𠂇	𠂇
31C3	31D3	31E3

Size comparison with other strokes in Unicode 15.0 Code Charts







In this proposal, I will like to suggest the Unicode Editorial team to modify the representative glyph to show the glyph of CJK STROKE P as a centered full-width full-height glyph (illustrated as below).









Proposed form for U+31D2 CJK STROKE P, with selection box shown on right

Rationale

The current form of CJK Strokes block is based on the [L2/06-212 \(WG2 3063\)](#), where the IRG Rapporteur proposed the current encoding for U+31D0..31E3. However, when comparing the document with its predecessors, [L2/04-221](#) and [L2/04-367](#), the representative glyph for CJK STROKE P have been modified with a huge difference.


4	U+XX03			CJK UNIFIED BASIC STROKE SG
5	U+XX04			CJK UNIFIED BASIC STROKE P
6	U+XX05			CJK UNIFIED BASIC STROKE WP

L2/04-221

4	31D2			CJK BASIC STROKE SG
5	31D3			CJK BASIC STROKE P
6	31D4			CJK BASIC STROKE WP

L2/04-367

It can be seen that the glyph for CJK STROKE P is a (roughly) centered full-width full-height stroke. The unification discussion recorded in [IRGN 1137](#) also shows a centered glyph, albeit a bit smaller than full-width.

3		S
4		P
5	J	SP

IRGN 1137

A previous document recording stroke classifications from TCA in [IRGN 1086A](#) also depicts a centered full-width full-height glyph.

2	Vertical line	豎 Shu		2000		豎
3	Upper- Right to Lower-Left	 撇 pie	J 豎撇	3000	/	撇
4	Upper-Left to Lower-Right	、 點 Dian	、 頓點	3100	J	豎撇

IRGN 1086A

The original documentation of [Appendix F: Documentation of CJK Strokes](#) in Unicode 6.0 also shows a centered full-width full-height glyph. The same diagram is still shown in Unicode 15.0.


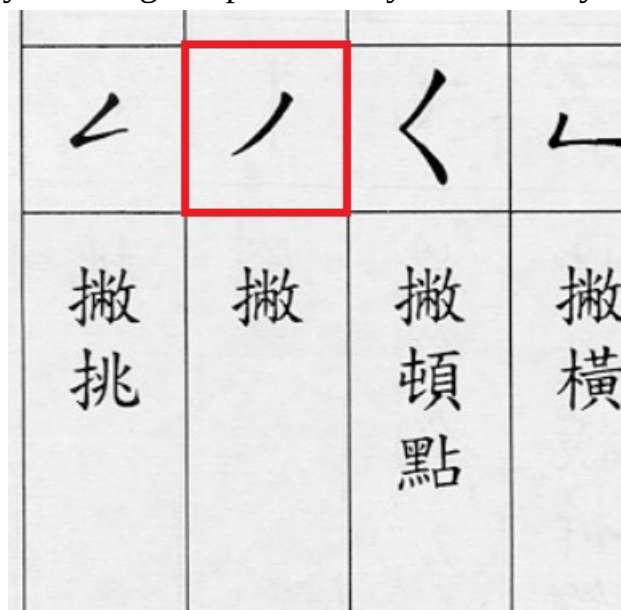
 31D2	P	piě	撇	J
ノ 4E3F, 人 4EBA, 八 516B, 乂 4E42, 爻 723B, 禾 79BE, 毛 6BDB, 乏 4E4F, 乖 4E56, 采 91C6, 衣 8863, 行 884C				

Table showing CJK STROKE P in Unicode 6.0 Appendix F

 31D2	 31CF	 31C7	 31D5
---	---	---	---

Size comparison with other strokes in Appendix F

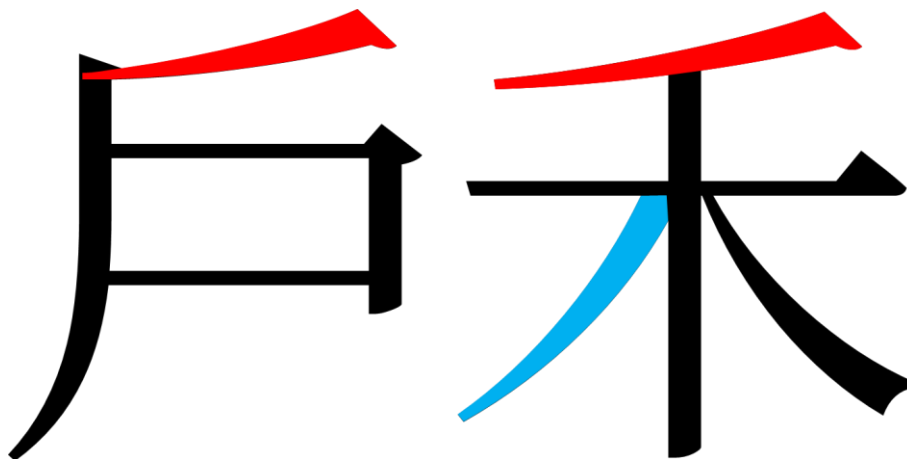
It is also customary to show a centered full-width glyph for the stroke especially in education, as illustrated by this diagram provided by the Ministry of Education, Taiwan.



Glyph of CJK STROKE P in 國字筆畫名稱表

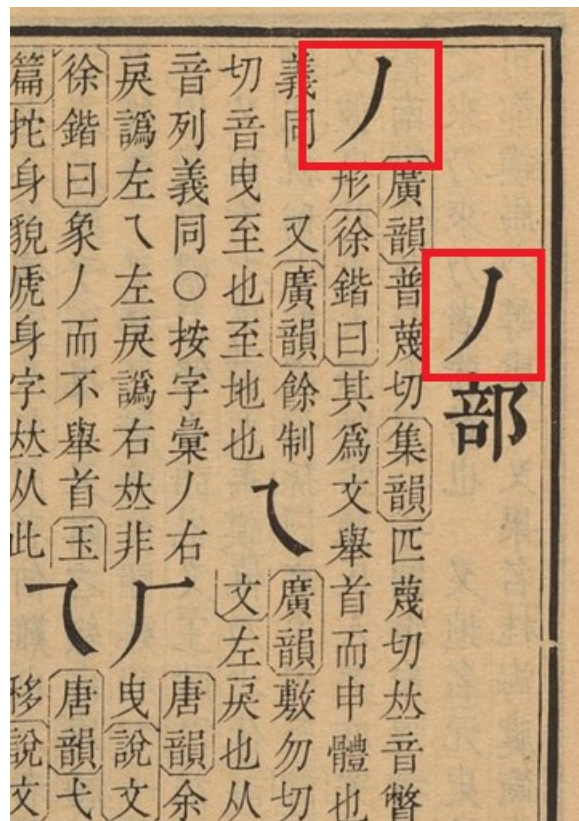
(https://language.moe.gov.tw/001/Upload/files/SITE_CONTENT/M0001/STD/fu.htm?open)

Additionally, the current glyph of CJK STROKE P may be considered as a flat throw (扁撇, labelled BP below), where it is considered as a variant of the full-width full-height glyph. This is shown in the top of character 戶 and 禾, where the stroke BP is flattened on the vertical direction. However, the flatten form of BP usually could not represent the full-width form of stroke P in reverse. The diagram below shows the glyph with red marking the stroke BP, and the blue stroke marking the normal stroke P. and There are other characters having the stroke P such as 父, 义, 凶, 文 and 爻.



Characters showing stroke BP (in red) and P (in blue)

In the normal categorization process, the other kind of throw stroke encoded in the CJK Strokes block, U+31D3 CJK STROKE SP 丿, is also viewed as a variant of stroke P. However, as stroke SP is the default form for the CJK Ideograph U+4E3F 丿, which is similar to the form shown in Kangxi Dictionary, most dictionaries uses stroke SP to represent stroke P. It should be noted that the stroke SP in Kangxi Dictionary is slightly slanted as opposed to a fully vertical SP, such as 丿 shown in the same page.



Kangxi Dictionary (<https://kangxizidian.com/v2/index.php?page=342>)

Using stroke BP to represent stroke P however is not normal, as shown by most education material which will show either full-width full-height stroke P 丿 if they did not show stroke SP ㄚ ; most native users will also prefer using the centered full-width form to represent the stroke P. Below shows some education material excerpted online that shows full-width full-height stroke P.

3	丨	竖	十
4	ㄚ	撇	八
5	ㄣ	捺	人

<http://bishun.strokeorder.info/bihua.php>

一	横	一天日
丨	竖	下旧正
㇏	撇	八反师
丶	点	小点欢

<https://www.11chinese.com/free-resources-for-chinese-teaching?p=%E5%AD%A6%E6%B1%89%E5%AD%97%E7%AC%94%E7%94%BB%E5%BE%88%E9%87%8D%E8%A6%81>

Attached to this proposal is a TrueType font file containing the updated stroke for CJK STROKE P. The current form shown for CJK STROKE P as a cornered flatten stroke BP may be registered as a SVS to the updated form as there might still be some situations where a stroke BP is more appropriate than stroke P.

Additionally, if this proposal is accepted, then the proposed update to Appendix F in [L2/23-116](#) will also need to be modified to reflect the changes by swapping the position of the official form and the variant form. The updated row is shown below.

㇏ U+31D2	P	piě	撇	㇏
𠂇 U+4E3F, 人 U+4EBA, 乂 U+4E42, 𠂇 U+723B, 須 U+9808, 俗 U+4FD7, 禾 U+79BE, 乏 U+4E4F, 乖 U+4E56, 采 U+91C6, 衣 U+8863, 行 U+884C				

That is all.