

Diachronic, lexicographical and corpus perspectives on some Irish Gaelic partitives Dóra Pődör
Károli Gáspár University of the Reformed Church in Hungary 30 June 2023

## STRUCTURE OF THE TALK

1. Introduction
2. Data sources
3. Expressing the degree of language knowledge
4. Body parts with cuid ('part, portion')
5. Personal numeral in a partitive structure
6. Conclusion
7. Possibilites for further research

## 1. INTRODUCTION

1.1. General introductions

- The speaker's background and motivation
- General view of the structures to be discussed:
- partitive in a broad sense of the word;
- part-whole relationships;
- different grammatical structures
- Does not cover all partitives


### 1.2 Irish (Irish Gaelic)

- A Celtic language; Indo-European language family
- First official language of the Republic of Ireland
- One of the 24 official languages of the European Union
- Relatively small number of native speakers.
- Speakers are scattered in officially designated/recognized Irish-speaking areas (Gaeltacht areas).
- 3 major dialects, several subdialects; disconnected locations; no dialect continuum.
- 2022 census data: 20,261 daily users of Irish in the Gaeltacht areas


### 1.3 Research Gap and Aim of the Study

- Irish: not as well researched as English or some other European languages
- Lack of detailed exploration of Irish partitives:
- Bayda, Victor: ‘The Possessive Construction with cuid 'part'". (2018)
- Kane, Frances: The Fine Structure of the Irish NP. PhD Thesis, Ulster University, 2015.
- This talk: based on a forthcoming paper which discusses diachronic, lexicographical, and corpus aspects of certain partitive structures in Irish Gaelic. (Here: lexicographical and corpus aspects)


### 1.4 Structures to be Covered

A) Expressing the degree of language knowledge
B) Body parts with cuid ('part, portion')
C) Personal numeral in a partitive structure

NOT an aim: to argue for the categorization of the structures discussed as partitive or pseudo-partitive (e.g. Bayda's argument that the cuid possessive construction is a pseudo-partitive one (2018:52) is accepted).

Focus: to study the variation that is present in these structures in contemporary usage.

## 2. Data Sources

## Dictionaries and

the Corpus of Contemporary Irish

### 2.1 Corpus of Contemporary Irish (https://www.gaois.ie/)

- Irish-language texts published in the 21st century onwards.
- Contains 36.1 million words.
- Consists of sources like newspapers, magazines, journals, and more (mostly prose).
- Developed by the Gaois research group, part of Dublin City University.
- Not all the texts were written by native speakers.
- A fairly simple research tool - two types of search mode: 'The phrase as is' + 'Broad search'.
- Not possible to disambiguate homonyms.
(3)
* Corpus of Contemporary Irish $\times$
$\leftarrow \rightarrow C$ $\bigcirc 8$

B https://www.gaois.ie/en/corpora/monolingual/

CORPORA \& TERMINOLOGY DATABASES

Corpus of Contemporary Irish
Search for a word or phrase in Irish
$\square$

## Search mode

O The phrase as is $O$ Broad search

## Corpus of Contemporary Irish

The Corpus of Contemporary Irish is a monolingual collection of Irish-language texts in digital format. It consists of edited texts which have been published from the beginning of the 21st century onwards. The corpus currently includes texts from ainm.ie, Beo!, Cló lar-Chonnacht, Cois Life, Comhar, COMHARÓg, COMHARTaighde, Éabhlóid, Feasta, Irisleabhar Mhá Nuad, The Irish Times, Leabhar Breac,
LeabhairCOMHAR, Léachtaí Cholm Cille, Léann Teanga: An Reiviú, Cló Mhaigh Eo, Meon Eile, NÓS, Nuacht Raidió na Gaeltachta, Nuacht RTÉ, Scáthán, Seachtain, Studia Hibernica, TEANGA: The Journal of the Irish Association for Applied Linguistics, Tuairisc.ie and An tUltach. It contains c.36.1 million words.

The corpus was used as an internal terminological resource by Gaois, Fiontar \& Scoil na Gaeilge for some time but was made freely available to the public in 2016. Gaois is very grateful to the publishers and copyright holders who have given permission to use their material.

The search interface is very simple. There is a specific search ('This phrase as is') and a broad search. Results can be filtered according to collection in the bar to the right.

We are expanding the content and improving the functionality of the corpus over time. We greatly appreciate feedback from our users and we are particularly interested in hearing from copyright holders

CORPUS OF CONTEMPORARY IRISH

Data sharing
About the corpus search
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3
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DCU



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+
```



About the corpus search

```
Mórtas teanga mhuintir Québec: Neart le foghlaim ag na Gaeil - Katie McGreal
Date: }22\mathrm{ September }201
```

\#2003352

Bhí siad ar na chéad tíortha a chuir ionadaithe rialtais chun na Bruiséile nach raibh mórán Fraincise acu.

```
    'Is beag polaiteoir Francach a chuir i gcoinne réim an Bhéarla san AE
```


## \#2003382

Bhí siad ar na chéad tíortha a chuir ionadaithe rialtais chun na Bruiséile nach raibh mórán

### 2.2 Dictionaries

(freely accessible)
2.2.1 Foras na Gaeilge's online New English-Irish Dictionary
(NEID)
(focloir.ie)

- Since 2013
- More than 48,000 entries and more than 140,000 senses.
- Can be used as a corpus for searches.


English > Irish
$\square$
Advanced Search
English-Irish Dictionary (1959)
Foclóir Gaeilge-Béarla (1977)

## 3 foclóir.ie

## New English-Irish Dictionary

## (f) $\because \mathrm{g}^{+}$( $\Delta$ <br> eNEID widgets

## Browse index

- freight car
- freight train
- freighted
- freighter
- freightliner
- French
- French bean
- French bread
- French Canadian
- French fries
- French fry
https://www.focloir.ie/en/dictionary/ei/Fraincise


## fraincise

fraincise is a grammatical form of: Fraincis »

Reverse Search - NB This is an English-Irish dictionary. Further information...
French » Fraincise

## Related Entries

francophone»
Frainciseoir, cainteoir
Fraincise

## Phrases and Examples in other entries

accented»
bunk »
bunk »
his French is heavily accented tá blas láidir ar a chuid Fraincise he bunked French class chuaigh sé ag múitseáil ón rang Fraincise he bunked French class níor bhac sé leis an rang Fraincise

### 2.2 Dictionaries

2.2.2 Ó Dónaill's Irish-English Dictionary (Foclóir Gaeilge-
Béarla, FGB, 1977).

Digitized at https://www.teanglann.ie/en
Concise dictionary; no information about the number of headwords, senses, etc.
 $+$

| $\leftarrow \rightarrow \mathrm{C}$ | O \& https://www.teanglann.ie/en/fgb/Fraincis |
| :---: | :--- |
|  | Home $\quad$ New English-Irish Dictionary » |
|  | Fraincis <br> Search for a word in Irish or English. |

Similar words: Francis • aincis • frainc • fraincín • aircis

## teanglann.ie

DICTIONARY AND LANGUAGE LIBRARY


EXACT MATCHES IN FOCLÓIR GAEILGE-BÉARLA
Fraincis, f. (gs. ~e).Ling: French.
fraighleach
frailic
fraimis
Frainc
frainceáil
frainciam
fraincín

### 2.2 Dictionaries

### 2.2.3 Electronic Dictionary of the Irish Language (eDIL)

A digital historical dictionary of the Irish language; covers the period from c. 700 to c. 1700 (https://dil.ie/); without dating.

Originally: printed
(3) $£$ eDIL - lrish Language Dictionary $\times$
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v d (c) \} $\equiv$
fraingcis
Cite this: eDIL s.v. fraingcis or dil.ie/24239
n f. the French language: focail Fraingcise, Keat. ii 944 . i bhFraingcis, 945 . as Frainncis do chualaidh sé ... dá innsin é he heard it told in French (of a romance) Flower Cat. 353 (<24 P 9, A.D. 1651).

QUEEN'S UNIVERSITY BELFAST


## Discussion of the Structures

## 3. Structure A - The structure describing the degree of knowledge of a language

- Irish Gaelic has several words expressing quantity or amount: a lán, mórán, neart, go leor ('a lot, much, many'), beagán ('a little), roinnt ('some'), tuilleadh ('more').
- Rule: These are nouns or behave like nouns; are followed by the gen. sg. (uncountable nouns) or the gen. PI. (countable nouns).


## Example 1

| (1) Tá | roinnt | leabhar aige |
| :--- | :--- | :--- | :--- |
| be.SUBST some | book.GEN.PL at.him |  |

'He has some books.'
Literally 'Is/Are (substantive verb) some books at him.'

## Example 2

(2) tuilleadh eolais
more information.GEN.SG.
'more/additional information'

## Example 3

(3) Tá beagán Fraincise agam
be.SUBST little French.GEN at.me
'I have (= I know) a little French.'
Literally: 'Is/Are (substantive verb) a little of French at me.'

# Example 4 (compare with 3) 

(4) Tá
be.SUBST French.NOM.SG
'I have (= I know) French.'
Literally: 'Is (substantive verb) a little of French at me.'

## Research question

- Genitive case-form is on the decline in all dialects (Ua Súilleabháin, 1995: 492, Ó hUiginn, 1995: 565, Hughes, 1995: 630-631, or Péterváry et al., 2014: 36).
- Lexicographical and corpus data for the use of the gen. sg. of the noun denoting a language when expressing a degree of knowledge?


## Example 5

(NEID s.v. "poor")

(5) 'they have a poor grasp of Spanish' nil
mórán
Spáinnise acu
be.SUBST.NEG. a lot Spanish.GEN.SG.... at.them
Literally: 'There is not a lot of Spanish at them.'

## Few examples in the Corpus of Contemporary Irish

Examples:

- roinnt Breatnaise/Gearmáinise/Iodáilise/Spáinnise
(some Welsh/German/Italian/Spanish) (1 ex. each)
- roinnt Fraincise (some French) (2 exx.)
- mórán Breatnaise/Spáinnise (a lot of Welsh/Spanish) (1 ex. each)
- mórán Fraincise (a lot of French) (3 exx.)
- beagán Gearmáinise/Iodáilise (a little German/Italian) (1 ex. each)
- beagán Breatnaise (a little Welsh) (3 exx.)


## Example 6

(6) Bhi Fraincis liofa aige agus roinnt Gearmáinise agus Breatnaise. (\#1136424)8

| Bhí | Fraincis | liofa aige agus roinnt Gearmáinise |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| .be.SUBST.Past French.NOM.SG. fluent at.him and some German.GEN.SG. |  |  |  |  |  |
| agus Breatnaise |  |  |  |  |  |
| and Welsh.GEN.SG. |  |  |  |  |  |

'He had fluent French and knew some German and Welsh.'
Literally: 'Was French fluent at him and some of German and some of Welsh.'

## Observations

- Most language-denoting nouns end in -is/ais and belong to the second declension genitive singular -ise/aise.
- Example: Spáinnise (Spanish) becomes Spáinnise (genitive singular).
- Exceptions: Gaeilge (Irish/Gaelic) and Béarla (English).
- Coordinated genitives are possible (ex. 6).
- No exx. with the nom. form; use of genitive singular of the second noun is still the norm in this type of construction (written language).


## 4. Structure B: Body parts with cuid ('part, portion')

## Example 7

(7) a cuid gruaige her part hair.GEN.SG
'her hair'
Lit. 'her part of hair'

## Corpus research by Victor Bayda (2016/2018)

- Used Nua-Chorpas na hÉireann / The New Corpus for Ireland (NCÉ)
- Subcorpus of data from native speakers
- Examined the use of some mass nouns with the bare pronouns $a$ 'his', $a$ 'her', $a$ 'their' and their use with the same pronouns + cuid
E.g.
a gruaig - 'her hair' as opposed to
a cuid gruaige - 'her part/portion of hair'


## Baydás conclusions:

- "The use of cuid with mass nouns is highly preferred, whereas with plurals less so." (Bayda, 2018: 44-45).
(Research: not restricted to nouns denoting body parts)
- "plural nouns denoting objects coming in pairs (usually inalienable possessions like body parts) are hardly ever used with cuid" (2018: 45)
- "The pseudo-partitive nature of the construction means that cuid expresses the idea of the AMOUNT of the possessum which is non-specific, quantifying over a type of objects, unlike partitive constructions which quantify over a set." (2018: 52).


## Research questions

1. Occurrence of possessive pronoun + cuid + body part AND of possessive pronoun + body part in the Corpus of Contemporary Irish? (E.g. with pair nouns like 'eye', 'ear', 'hand', etc.?)
2. Frequency of occurrence of the two structures?
3. What influences variation?

Differences from Bayda's research: different corpus; all the possessive pronouns were considered.

## Lexicographical data in NEID

- Examples of possessive pronoun + cuid + noun:
- With more than 100 different nouns; ranging from concrete to abstract; various lexical fields
- Nine different body part nouns in NEID:: fiacail (tooth), fuil (blood), gruaig (hair), ionga (nail), ladhar (toe), lámh (hand, arm), méar (finger), scamhóg (lungs), súil (eye)


## Example 8

(8) 'they transfused his blood'

| rinne | siad fuilaistriú | ar | a | chuid $^{10}$ | fola |
| :--- | :--- | :--- | :--- | :--- | :--- |
| did.PAST | they | blood transfusion | on | his | part blood.GEN.SG. |

Lit. 'Did they blood transfusion on his part of blood.'
(NEID s.v. "transfuse")

## Example 9

(9) 'she has chestnut hair'

| tá | $a$ | cuid | gruaige | donnrua |
| :--- | :--- | :--- | :--- | :--- |
| be.SUBST.PRES. | her | part | hair.GEN.SG. | chestnut |

Lit. 'Is her part of hair chestnut.'
(NEID s.v. "chestnut")

## Example 10

(10) 'she clipped her nails'

| bhearr | si | a | cuid | ingne |
| :--- | :--- | :--- | :--- | :--- |
| clip.PAST | she | her | part | nail.GEN.PL. |

Lit. 'Clipped she her part of nails.'
(NEID s.v. "clip")

## Comparison of the examples in NEID

## Possessive pronoun + cuid + body part in NEID

( $\mathrm{C}=$ countable, $\mathrm{U}=$ uncountable, $\mathrm{P}=$ pair nouns)
hair (186) (U)
tooth (33) (C)
nail (18) (C)
eye (12) (P)
blood (8) (U)
finger (4) (C)
lung (3) (C)
hand/arm (2) (P)
toe (1) (C)

## Corpus data

6 more body parts were added:
cluas 'ear' (P)
cnámh 'bone' (C)
cos 'leg, foot' (P)
croí 'heart' (C)
gualainn 'shoulder' $(P)$
glúin 'knee' (P)

Structures with all the possessive pronouns were searched for.

## Corpus data for body part nouns

| BODY PART | $\begin{aligned} & \text { POSS. PRON. + CUID/CHUID/GCUID + } \\ & \text { BODY PART } \end{aligned}$ | POSS. PRON. + BODY PART <br> (NOM. PL. IF COUNTABLE) | POSS. PRON. + ‘TWO' + BODY PART | EXAMPLE IN NEID with cuid |
| :---: | :---: | :---: | :---: | :---: |
| Gruaig 'hair' | 508 (= 69\%) | 232 (=31\%) | not applicable | YES |
| Fuil 'blood' | 99 (= 61\%) | 64 (= 39\%) | not applicable | YES |
| Fiacail 'tooth' | 130 (= 61\%) | 84 (= 39\%) | not applicable | YES |
| longa 'nail' | 27 (= 37\%) | 46 (= 63\%) | not applicable | YES |
| Ladhar 'toe' | 4 ( $=22 \%$ ) | 14 (= 78\%) | not applicable | YES |
| Cnámh 'bone' | 9 (= 9\%) | 92 (= 91\%) | not applicable | NO |
| Scamhóg 'lung' | 7 ( $=9 \%$ ) | 74 (= 91\%) | not applicable | YES |
| Lámh 'hand, arm' | 89 (= 6\%) | 1104 (= 73\%) | 312 (= 21\%) | YES |
| Sưil 'eye' | 194 (= 6\%) | 2769 (= 86\%) | 275 (=8\%) | YES |
| Cluas 'ear' | 20 (= 5\%) | 324 (= 85\%) | 38 (= 10\%) | NO |
| Méar 'finger' | 17 (= 5\%) | 301 (= 95\%) | not applicable | YES |
| Cos 'leg, foot' | 31 (= 2\%) | 1191 (= 87\%) | 147 (= 11\%) | NO |
| Glứn 'knee' | 9 (= 2\%) | = 415 (= 86\%) | 57 (= 12\%) | NO |
| Gualainn 'shoulder' | 7 (= 2\%) | 385 (= 96\%) | 8 ( $=2 \%$ ) | NO |
| Croi 'heart' | 2 (= 2\%) | 98 (= 98\%) | not applicable | NO |

## Limitations

- Prepositions combined possessive pronouns not considered (extra time)
- Homonymy issues with plural forms
- Dialectal variation in noun forms


## Analysis of the Results

1. More body parts can appear in the construction with cuid than the nine given in NEID.
2. The frequency of structures with possessive pronoun + cuid + body part and pronoun + body part varies; NEID does not fully correspond to the corpus data
3. Three nouns appear more frequently with cuid than without it: gruaig 'hair', fuil 'blood', and fiacail 'tooth' (at least 60\%) > ncountable nouns (gruaig, fuil) involve uncertain quantity, while fiacail (countable) represents variable numbers.

## Analysis of the Results (continued)

4. ionga ('nail') and ladhar ('toe') also have relatively high occurrence percentages with cuid ( $37 \%+22 \%$ ) (more certainty than for fiacail)
5. Méar ('finger') has a low percentage (5\%) (greater visibility and certainty)
6. Bayda's research shows similar findings for gruaig and fuil, but with lower token numbers.
7. Pair nouns (cluas, cos, glúin, lámh, súil) DO occur with cuid, although their frequency is low (bw 2 and 6\%).

## Analysis of the Results (continued)

The frequency of the use of cuid with body parts seems to depend on the certainty in the speakers' mind about the quantity/amount of the body part (countability, visibility).

## Example 11

(11) Scrúdaiodh a cuid súl, a cuid fiacla, a cuid ingne, a cluasa, a dhá láimh. (\#393709) ${ }^{16}$


## 5. Structure C - Personal numeral in a partitive structure

personal numerals: for counting people cardinals: for counting things or animals

## Set of personal numerals

duine 'one person'
beirt 'two people'
triúr 'three people'
ceathrar 'four people'
cúigear 'five people'
seisear 'six people'
seachtar 'seven people'
ochtar 'eight people'
naonúr 'nine people'
deichniúr 'ten people'
dháréag 'twelve people'

## Grammatical features of personal numerals

- $1+2$ are or had originally been simple nouns; 3-10 are derived from cardinals + the noun "fer" (man) (Thurneysen 1980: 243)
- Behave as nouns morphologically and syntactically
- Have grammatical gender and are declined based on noun class (nom. sing., gen. sing., nom. pl., gen. pl.) (but: 12 - dháréag - only nom. sing. and gen. sing.; < contracted form of dhá fhear dhéag (twelve men))
- Can stand alone or be followed by a noun in gen. pl.
- Whole - part relationship expressed in some phrases with personal numerals
- Sometimes the personal numerals can also refer to objects (!)


# The use of personal numerals 1: Examples 12 and 13 

(12) triúr
'three people/persons'
(13) triúr cailiní three girl.GEN.PL 'three girls'

Lit. 'three people/persons of girls'

## Expressing 'one of us', 'two of us', 'one of you', 'two of you', etc.

NEID: two equivalents for phrases such as ' X of us':
a) with the $1^{\text {st }}$ person plural prepositional pronoun form of the preposition ag 'at';
b) with the $1^{\text {st }}$ person plural prepositional pronoun form of the preposition de 'from'.

Ó Dónaill's Irish-English Dictionary ( $F G B$ ) does name this type of usage as a partitive one under sense (4) in the entry for $a g(F G B$ s.v. "ag"), and under sense (2 f ) in the entry for de ( $F G B$ s.v. "de") $)_{s}$

# The use of personal numerals 2 : Example 14 and 15 

(14) triúr againn
three at.us
'three of us'
or
(15) triúr dinn
three from.us
'three of us'

## Research question:

Frequency of the occurrence of the two structures in the Corpus of Contemporary Irish?

## Frequency of usage

| Personal numeral | againn | dínn | agaibh | díbh | acu | díobh |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| duine 'one person' | 478 (94\%) | 29 (6\%) | 71 (93\%) | 5 (7\%) | 2116 (83\%) | 437 (17\%) |
| beirt, di's 'two people' | 447 (99.8\%) | 1 (0.2\%) | 109 (100\%) | 0 (0\%) | 2049 (98\%) | 44 (2\%) |
| triúr 'three people' | 143 (100\%) | 0 (0\%) | 10 (100\%) | 0 (0\%) | 416 (96\%) | 18 (4\%) |
| ceathrar 'four people' | 53 (100\%) | 0 (0\%) | 6 (86\%) | 1 (14\%) | 120 (92\%) | 10 (8\%) |
| cúigear 'five people' | 36 (97\%) | 1 (3\%) | 0 | 0 | 92 (84\%) | 18 (16\%) |
| seisear 'six people' | 29 (100\%) | 0 (0\%) | 3 (100\%) | 0 (0\%) | 32 (71\%) | 13 (29\%) |
| mórsheisear 'seven people' | 2 (100\%) | 0 | 0 | 0 | 0 | 0 |
| seachtar | 15 (100\%) | 0 (0\%) | 0 | 0 | 45 (86.5\%) | 7 (13.5\%) |
| 'seven people' |  |  |  |  |  |  |
| ochtar 'eight people' | 10 (100\%) | 0 | 0 | 0 | 44 (88\%) | 6 (12\%) |
| naonúr 'nine people' | 1 (100\%) | 0 | 0 | 0 | 20 (80\%) | 5 (20\%) |
| deichniúr 'ten people' | 5 (83\%) | 1 (17\%) | 0 | 0 | 44 (88\%) | 6 (12\%) |
| dháréag 'twelve people' | 2 (67\%) | 1 (33\%) | 0 | 0 | 12 (92\%) | 1 (8\%) |
| Total: | 1221 (97\%) | 33 (3\%) | 199 (97\%) | 6 (3\%) | 4990 (90\%) | 565 (10\%) |

## Analysis of the data

- Prevalence of the construction with the preposition $a g$ 'at'.
- Variation seems to depend on the grammatical category of person: the use of the prepositional pronominal forms of $a g$ are more overwhelming in the case of the 1st and 2nd pl. (97\%) than in the 3rd pl. (90\%).
- Further research needed to determine factors influencing variation (the 'of them' construction can also refer to objects!).


## 6. Conclusion

## Findings:

- The gen. sg. of nouns denoting a language in a structure indicating the degree of knowledge does not show variation in the Corpus of Contemporary Irish, in spite of the general scholarly consensus that the use of the gen. sg. of nouns in general is in decline
- Detailed data for the variation between the structures possessive pronoun + cuid + body part AND possessive pronoun + body part were presented, and it was argued that The frequency of the use of cuid with body parts seems to depend on the certainty in the speakers' mind about the quantity/amount of the body part (countability, visibility).
- Detailed data for the variation between the structures corresponding to English 'one of us', 'two of us', 'one of you', 'two of you' were presented from the Corpus of Contemporary Irish, which showed the overwhelming use of the construction with $a g$.


## 7. Possibilites for further research

a) Exploration of further structures expressing quantity (expansion on type A) (also in the New Corpus for Ireland)
b) Further exploration into the use of cuid with nouns other than the ones denoting body parts
c) Further exploration into the use of cuid with body parts (use of the New Corpus for Ireland, examination of text types, native vs. non-native speakers, dialects)
d) Further exploration into the use of personal numerals with nouns and with the prepositional pronominal forms of $a g$ and $d e$ (use of the New Corpus for Ireland, examination of text types, native vs. non-native speakers, dialects)

## Thank you for your attention!

## References (Dictionaries, corpora, and sources of corpus examples)

'About' https://www.focloir.ie/en/page/about.html
'About Gaois', https://www.gaois.ie/en/about/info/
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"triúr" https://www.teanglann.ie/en/fgb/triúr [accessed 25 May 2023]
"two" https://www.focloir.ie/en/dictionary/ei/two [accessed 25 May 2023]

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