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Infinitive Marking with for: A Diachronic Account

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Infinitive Marking with for: A Diachronic Account
Infinitive marking with *for*: a diachronic account

Marjorie Pak*

1 Introduction

In standard modern English, an infinitive can only be marked with *for* if it also contains an overt subject, so that sentences like (1a) are ruled out. Furthermore, *for* is obligatory in contexts like (1b), where the infinitive is itself a sentential subject (cf. (1c)).

(1) Standard modern English:
   a. *John went to the store for to buy bread.
   b. For Mary to travel so far is no small thing.
   c. *Mary to travel so far is no small thing.

To account for the pattern in (1), it is often assumed that *for* is a complementizer that is involved in licensing the overt subject of an infinitive, through Case-assignment by government in GB terms (Chomsky 1981), or through checking of Case- or φ-features in Minimalist terms (Bošković 1997, Martin 2001).1 PRO is then argued to have special properties that prevent it from appearing with *for* in (1a) (e.g., null Case or missing φ-features).

An interesting problem for theories based on such assumptions is that the distribution of infinitival *for* varies considerably across periods and dialects. In particular, sentences like (1a) (which I will call subjectless for to infinitives) are grammatical in many varieties of modern English (ModE) and frequent throughout Middle English (ME) (2a), and sentences like (1c) (which I will call bare-subject infinitives) are attested in late ME and early ModE (2b):

(2) a. [he] went...into Naples for to conqwere it (CAPCHR,112.2473)
   b. for hit ys the custom of my contrey a knyght allweyes to kepe hys wepyn with hym. (MALORY, 63.2103)
      ‘For it is the custom of my country for a knight always to keep his weapon with him.’

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1 See McFadden (2004) for an alternative account.

This paper focuses on the following questions: What feature(s) of the grammar of ME made sentences like those in (2) possible, and to what extent can modern dialect variation be explained as an inheritance of these features? After providing a brief historical overview (section 2), I present new corpus data showing that dialect variation with respect to for already exists in early ME, with eastern dialects treating for as a preposition and western dialects exhibiting a 'low' version of for located below C (section 3). Neither version of early ME for is in C, which suggests that the complementizer analysis of for is a later, separate development. In light of these findings, I argue in section 4 that at least some modern dialects that allow (1a) are descendents of western ME, preserving the low for alongside the complementizer for that emerges later. Under this treatment, no major revisions to theories of infinitival clause structure—such as the introduction of ‘optional’ licensing—are required.

2 Overview: for to Infinitives in the History of English

The earliest for-marked infinitives are subjectless adjuncts from late Old English (OE). The examples in (3), like the handful of other attested for-marked infinitives from OE, are similar in interpretation to present-day in order clauses: they express the overall intention or purpose behind the main-clause action (examples from Visser 1963, §949; see also Jarad 2003a, §4.4.1).

(3) a. þæt ge bien him on fultume...Godes gerichten for to setten and to driven. (Harold, 1066)
   ‘that you be of assistance to them...(in order) to determine and carry out what is owed to God.’

   b. se kyng hit dide for to hauene sibbe of se earl Angeow, for helpe to hauene togænes his neue Willelm (OE Chron, an. 1127)
   ‘The king did it (in order) to have peace from that earl of Anjou, to have help against his nephew William.’

In ME, for-marked infinitives are extended to a wider range of contexts and correspondingly increase in frequency, reaching a peak in the 13th and 14th centuries (Mustanoja 1960). The overall pattern is shown in Figure 1, with the ME period spanning the first four periods of the graph (1150–1500) and the early ModE period the last three (1500–1710). These data, and the data in Tables 1–5, are drawn from the Penn-Helsinki Parsed Corpora of Middle English (2nd ed.) (Kroch and Taylor 1999) and Early Modern English
(Kroch et al. 2004). Except where noted, the term *purpose infinitive* refers to any infinitive with purpose or rationale semantics, including tokens with non-subject gaps (e.g., *there was a great flower pott; for to sett trees in (e)*).³

![Graph showing for-to infinitives and purpose for-to infinitives over time](image)

**Figure 1:** *For-marking over all to-infinitives, 1150–1710*

Notably, the majority of *for*-marked infinitives in ME have null subjects. The standard ModE system, in which infinitival *for* occurs only if it is followed by an overt subject, does not develop until the early modern period, long after subjectless *for to* infinitives have proliferated across dialects. ME infinitives with unambiguous overt subjects (i.e., whose subjects cannot be interpreted as matrix-clause arguments) show up either without *for* (2b), or with *for* following the subject (4). Likewise, sentences in which *for* is unambiguously a complementizer introducing a subject, as in (5), are unattested in ME (see Lightfoot 1976, Visser 1963, §905–914).

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²Information about these corpora is available at [http://www.ling.upenn.edu/histcorpora](http://www.ling.upenn.edu/histcorpora). For this study, texts whose composition and manuscript dates belong to different periods were classified by date of composition, with the exception of the older *Lambeth Homilies* text, which is included in the first ME period.

³Infinitives with non-subject gaps make up 3%–6% of all *to*-marked infinitives in the corpus, and excluding them would not materially alter the findings reported here. See note 7 for further discussion.
(4) For it es a velany, a man for to be curiously arrayede apon his heuede with perre' and precyous stanes (ROLLEP, 29.609)
   ‘For it is a disgrace for a man to be strangely adorned on his head with jewels and precious stones.’

(5) For John to lose the race would upset Mary.

Sentences like (5) may have been enabled by a reanalysis of benefactive for-PPs in contexts like (6) (see e.g. Fischer et al. 2000):4

(6) hit were shame [PP for me] [IP to se three knyghtes on one] →
    hit were shame [CP for [IP me to se three knyghtes on one]]
   ‘It would be shameful for me to watch three knights attacking one.’

Another source for the complementizer analysis could have been operator structures with overt subjects and non-subject gaps, e.g. (7), which started out (by hypothesis) as bare-subject infinitives under the preposition for:

(7) there is fayre fourde [PP for [CP Op₁ [C Ø] horse to drynke off t₁ ]] →
    there is fayre fourde [CP Op₁ [C for] horse to drynke off t₁ ]
   ‘There is a pretty spring for horses to drink from.’

The reanalysis of for in this case would be driven by several factors: the word order, with the subject following instead of preceding for (4); the fact that prepositions lose the ability to take infinitival complements (see note 6); and the independent need for a CP in an infinitival relative clause (see note 7).

Although a detailed discussion of these proposals is beyond the scope of this paper (see Garrett 2004, Kroch and Pak 2004, Lightfoot 1976, Whitman 2000, for further discussion), it is worth pointing out one feature they have in common: they are compatible with the idea that for never occupies C until the relevant reanalysis has taken place—a reanalysis that crucially involves the position of for with respect to the overt subject, presumably occurring in late ME or early ModE. An alternative scenario is possible, one in which for is already in C in early ME subjectless for to infinitives, as suggested by e.g. van Gelderen (1998). In section 3 I provide arguments against this latter approach. I suggest that the complementizer analysis of for is unavailable in in early ME because infinitives at this stage simply do not contain CPs—a proposal that will have important consequences for modern dialect variation.

4 According to Fischer et al., there were in fact two reanalyses: the dative DP was reanalyzed as a subject in sentences without for, making sentences like (2b) possible; and the structure with for ‘followed the same route, albeit quite a bit later’ (p. 220). Both reanalyses, they argue, were facilitated by the fixation of VO word order in English, which entailed that the for-phrase was always adjacent to the infinitive.
3 Dialect Variation in Early Middle English

The texts in the early ME period of the corpus (1150–1250) come from two major dialect areas, the East Midlands and the West Midlands, with the former represented by the *Ormulum*, the *Peterborough Chronicle*, the *Trinity Homilies*, and *Vices and Virtues*, and the latter by the *Ancrene Riwle*, the *Lambeth Homilies*, and the Katherine Group (*Sawles Warde*, *Hali Meidhad*, *St. Katherine*, *St. Juliana*, *St. Margaret*). As I show next, these two early dialects have already implemented radically different analyses of infinitival *for*.

3.1 Semantic Distribution

While most early ME *for*-marked infinitives are purpose adjuncts (Figure 1), infinitival *for* also occurs in non-purpose contexts like (8):

\[(8) \quad \text{a. } \text{pe beastlich mon...sechep } \text{for to fallen in } \text{pis put} \]
\[(\text{ANCRIW-1.I.48.447})\]
\[\text{‘The beastly man will try to fall into this pit.’}\]
\[\text{b. } \& \text{ heo bigon on hire cneon forte cneolin adun. (MARGA,88.528)}\]
\[\text{‘And she began to kneel down on her knees.’}\]

However, non-purpose *for* infinitives in early ME are almost entirely restricted to western texts—which also have a higher rate of overall *for*-marking (Table 1).

<table>
<thead>
<tr>
<th>Location</th>
<th>Total to inf’s N</th>
<th>For to inf’s n</th>
<th>Purpose for to inf’s n</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td>1335</td>
<td>140 (10.5%)</td>
<td>125 (89.3%)</td>
</tr>
<tr>
<td>West</td>
<td>1006</td>
<td>244 (24.3%)</td>
<td>147 (60.2%)</td>
</tr>
</tbody>
</table>

Table 1: *For*-marking by region, 1150–1250

In the remainder of section 3 I show that the contrast in Table 1 has a structural basis. The trees in (9) will serve as a reference point.

\[5\]Kentish texts are omitted from Tables 1 and 5; consequently, the values in these tables are lower than those in Figure 1.
Early ME East Midlands *for to* infinitives are PPs: the preposition *for* with an infinitival complement. Although such configurations are no longer possible (*Jane was surprised about to see Bill*), this analysis of eastern early ME is well motivated by a combination of facts. First, *for* is a preposition of purpose as far back as OE (e.g., *for arstafum usic sohtest* 'you sought us for support' (van Gelderen 1998))—a plausible explanation for why *for*-marked infinitives are largely restricted to purpose contexts in eastern early ME (Table 1). Second, structures like (9a) are generally available in ME, appearing sporadically with prepositions other than *for* (Fischer 2000, Lightfoot 1976; Mustanoja 1960, p. 540; Visser 1963, §976):6

(10) a. ... ha mahen beon i-stopen in sotliche to luuien (MARGA,79.389)

‘...they may be advanced in foolish loving’

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6I am not aware of a satisfactory explanation for the availability of (9a) in ME. Lightfoot (1976), Whitman (2000), and others argue that English infinitives originate as nominal structures, and that a surviving nominal feature in ME allows them to be PP complements. The problem with this account is that it predicts that infinitives should also be PP complements in OE, and yet neither bare nor to-marked infinitives are attested in this position (Visser 1963, §976). Moreover, it is difficult to find independent evidence for the idea that infinitives are nominal in ME or even OE: they are modified by adverbs, assign accusative case, freely undergo extraposition, and never appear with determiners or possessive subjects (see also Roberts and Rousseau 2003, §3.3.2). An alternative explanation for the pattern in question is that there is a general incompatibility between prepositions and the tense/irrealis features of to-infinitives, but that these features are absent in ME due to what (Fischer 2000, p. 156) calls a ‘loss of semantic integrity’ which enables the ME to-infinitive to express simultaneity rather than future (e.g., *lith to wepe* ‘lies weeping’). This proposal seems to line up with the historical facts, given that ME is the only period when to-infinitives appear in such contexts, but its further motivations and predictions of course remain to be explored.
b. Hiss Drihtin wel to cwemenn... wipp to letenn swingenn himm (ORM.I,220.1813)
   ‘to please his Lord well... by letting himself be scourged’

Third, eastern early ME *for* cannot be preceded by objects, adverbs, or other infinitival material (see section 3.2–3.3). This is expected under (9a), since English does not allow subparts of PP complements to adjoin to PP (cf. *a book organically, (PP about gardening t_f)*). Finally, *for*-marking is disfavored in eastern early ME subject infinitives (whether *in situ* or extraposed) affecting only 1 out of 63 tokens, as expected given that PPs generally cannot be subjects (see Jarad 2003a, and references cited there). This ban is not imposed in the west, where 8 out of 57 subject infinitives are *for*-marked (e.g. (11); p < .03 by Yates’ χ² and Fisher’s exact tests).

(11) hit is speatwile forte penche pron (HALI,145.256)
   ‘It is horrible to think of that.’

Turning now to (9b), West Midlands dialects have a version of *for* located lower in the clause, most likely part of the same head as *to*. For convenience I have shown *for* heading a single projection labeled ‘IP,’ but see Han and Kroch (2000) and Wurmbrand (2001) for arguments that *to* is an Aspect or Mood head below both TP/IP and NegP. The precise location of *to* (or *for* to) is not crucial to my discussion except where noted.

Notice that neither tree in (9) contains a CP. In the spirit of Fischer (1996), Jarad (2003a), and Kageyama (1992), I am assuming that the OE/early ME *to*-infinitive is a reduced structure that cannot project to CP. This hypothesis is motivated by the fact that certain structures believed to require a CP projection, notably wh-infinitives and infinitival relative clauses, are absent in OE and early ME—a gap that would be unexplained under the assumption that *to*-infinitives are CPs from their inception.footnote

An immediate consequence of the reduced-clause hypothesis is that neither version of early ME *for* can be in C. For eastern *for* to infinitives this

7The infinitival relative clause is to be distinguished from another superficially similar structure, which I call the gapped purpose clause. Unambiguous infinitival relatives (e.g., *The first thing, then to be had a care of (e)_i is that he be not too warmelty clad*, where the infinitive modifies an *in situ* subject) do not occur in ME; but unambiguous gapped purpose clauses (e.g., *he toke iti too brenne (e)_i in a grete fyre*, where the gap is coreferential with a pronoun) are attested from OE on. Crucially, gapped purpose clauses do not allow parasitic gaps or movement from embedded finite clauses, suggesting that even in ModE they are not CPs (see Jones 1991, Ch. 3).
is probably a desired result in any case, given that they pattern like PPs semantically and syntactically (see above). For western dialects, independent evidence that for is not in C is provided in the next two subsections.

3.2 Placement of Objects

In ME, as in OE, a DP object within an infinitive can precede both the nonfinite verb and to. I will refer to such objects as ‘preposed.’ If an infinitive is marked with for as well, the object can either precede or follow for. Interestingly, the word order varies by dialect just as expected given the structures in (9): the object follows for in the east (12a) and precedes for in the west (12b) This pattern is shown in Table 2.

(12) a. East: ic am all iradi, te bien hersum godd anon to de deade for mankenn to aliesen (VICES1.117.1445)
   ‘I am fully prepared to be obedient to God until death to deliver mankind.’

b. West: þreo Maries brochten deorewurþe aromaz his bodi for to smirien. (ANCRIW-2.11.274.469)
   ‘The three Marys brought valuable aromas to smear his body.’

Table 2: Object preposing, 1150–1250

<table>
<thead>
<tr>
<th></th>
<th>FOR&gt;OBJ&gt;TO</th>
<th>OBJ&gt;FOR&gt;TO</th>
<th>OBJ&gt;TO (no for)</th>
<th>TO inf’s with obj’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td>50</td>
<td>1</td>
<td>147</td>
<td>778</td>
</tr>
<tr>
<td>West</td>
<td>2</td>
<td>16</td>
<td>48</td>
<td>469</td>
</tr>
</tbody>
</table>

While the data in Table 2 are consistent with the structures in (9), they are also consistent with another analysis, one in which western for is in C and object preposing involves movement to Spec,CP. Under such an account, however, we would expect these structures to have A'-movement properties, and they do not. There are no cases in which an object is moved ‘across’ another object, for example, even though such configurations are freely allowed in wh-movement and modern topicalization (13). If anything, ME object preposing follows A-movement constraints (see e.g. Jarad 2003b); further evidence against the idea that western for is in C is provided in section 3.3.

8Another possibility is that (some of) these infinitives have underlying OV word order, which is still available in early ME, particularly in the east (Kroch and Taylor 1999).
(13) a. Topicalization: Johni, I drank wine with ti
   b. Unattested preposing: *I went out [Johni to drink wine with ti]

### 3.3 Adverb Placement

The pattern in Table 2 is repeated with adverbials: when an adverb or adverbial PP precedes the nonfinite verb in a for-marked infinitive, it shows up between for and to in the east, but before for in the west (Table 3). Note that adverbial PPs and polysyllabic adverbs occur in both positions.

<table>
<thead>
<tr>
<th></th>
<th>FOR&gt;ADV&gt;TO</th>
<th>ADV&gt;FOR&gt;TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>West</td>
<td>0</td>
<td>10</td>
</tr>
</tbody>
</table>

Table 3: Placement of adverbials, 1150–1250

Table 3 provides further support for the structures in (9). This contrast would be difficult to explain otherwise—even if there are multiple adjunction sites for adverbs within the infinitive, there is no particular reason why preverbal adverbs should always precede for in the west but never do so in the east.

More generally, Tables 2 and 3 show that western for cannot be in C. If it were, we would expect adverbs and DPs to be able to intervene between for and to, as in ModE (14a). On the other hand, we would not expect adverbs or DPs to be able to precede for, as in (14b) (see Roberts and Rousseau 2003, §3.3.1). But neither of these predictions is borne out in western early ME—instead, we find exactly the opposite pattern, a fact that is naturally accounted for under the assumption that western for to is a single head below C.

(14) a. For John never to visit again would be terrible.
   b. * Never for John to visit again would be terrible.

### 3.4 Orthography

Further support for the structures in (9) comes from spelling practices. For to could be spelled as one word, forto or forte, in ME. In early ME, however, this tendency was almost entirely restricted to western texts (Table 4). Again, these facts receive a natural explanation under the hypothesis that western for to, unlike eastern for to, is an inseparable unit in the syntax.
4 Implications: Present-day Dialect Variation

While previous studies have shown that ME subjectless for to infinitives pattern differently in individual texts (see e.g. Quirk and Svartvik 1970, Warner 1982, van Gelderen 1998), this study has revealed a broader, regionally based dialect difference concerning for to infinitives in early ME, shortly after they first appear. Regional variation with respect to infinitival for, then, far from being an exclusively modern phenomenon, is present from the beginning. These findings lend plausibility to the idea that present-day variation is inherited from early ME—a hypothesis I explore in this section.

Present-day dialect variation appears to be restricted to subjectless infinitives. While sentences like (15a) are grammatical in a number of ModE dialects—including Irish English (Corrigan 2003, Henry 1995), Scottish English (Macaulay 1991, Miller 1993), Tyneside English (Beall 1993), Ozark English (Chomsky and Lasnik 1977), and Ottawa Valley English (Carroll 1983)—the obligatory presence of for in (15b) is not subject to variation.

(15) a. % John went to the store for to buy bread.  
    b. *(for) Mary to travel so far is no small thing.

In order to account for these facts, (Chomsky 1981, p. 300) proposes that the licensing properties associated with the complementizer for apply ‘optionally’ in Ozark English. In modern terms, this would mean that for checks Case- or φ-features only optionally and can appear alongside PRO otherwise. The difficulty with this proposal is that it is unclear how such a system could be acquired in the absence of a clear historical or synchronic precedent.

In light of the patterns reported in section 3, I offer a different approach—one in which modern infinitival for is not uniformly a complementizer.

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9 Notice the difference in word order between the OE (3a) (composed by a Wessex native) and (3b). A question for further research is whether (north)western for to has a distinct source (e.g., a calque of a similar construction in a contact language).
(16) PROPOSAL: Modern dialects that allow subjectless for to infinitives are descendents of western ME. The use of for to as a single ‘low’ head, already well established in early western ME, has survived in these dialects alongside the newer version of for in C.

In section 3 I showed that neither version of early ME for is in C. This finding is consistent with the hypothesis laid out in section 2, that the complementizer analysis of for is a separate development from the use of for in ME subjectless infinitives. The complementizer for is distinguished from early ME for not only by when it first appears, but also by the degree to which it is incorporated throughout dialects. In particular, while the system that makes the complementizer obligatory in (15b) is established across dialects by the 17th century, the grammaticization of for to as a single ‘low’ head is never fully realized in all regional varieties of ME, as shown in Table 5:

<table>
<thead>
<tr>
<th></th>
<th>Total to inf's</th>
<th>For to inf's</th>
<th>Purpose for to inf's</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>n</td>
<td>%</td>
</tr>
<tr>
<td>East</td>
<td>2708</td>
<td>496</td>
<td>18.3</td>
</tr>
<tr>
<td>South</td>
<td>810</td>
<td>139</td>
<td>17.2</td>
</tr>
<tr>
<td>West</td>
<td>1411</td>
<td>601</td>
<td>42.6</td>
</tr>
<tr>
<td>North</td>
<td>904</td>
<td>303</td>
<td>33.5</td>
</tr>
</tbody>
</table>

Table 5: For-marking by region, 1250–1420

Recall from Figure 1 that for-marking increases in the second and third periods of ME (1250–1420). Table 5 shows that most of this increase is contributed by northern and western, as opposed to southern and eastern, dialects (note that northern and southern texts are unavailable in the first period of the corpus). Eastern dialects do appear to have acquired a single head for to—since eastern for can now occur in non-purpose infinitives and be preceded by infinitive-internal material, as in (17)—but the overall frequency of for-marking remains low.

(17) and preyen hire [of hir wepyng] for to stynte (CTMELI,217.C1b.13)
‘and ask her to cease her weeping’

In section 2 I suggested that the complementizer version of for is introduced in late ME, perhaps due to a reanalysis based on the position of overt subjects with respect to for. Suppose that when this occurs, it disrupts the
grammaticization of for to as a single head in southeastern dialects and infinitival for comes to be analyzed exclusively as a complementizer, resulting in the system inherited by standard ModE. In northern and western dialects, on the other hand, the single head for to is already a stable feature of the grammar by late ME, and the advent of the complementizer for does not interfere with it. The two versions of infinitival for are able to coexist, resulting in the grammar inherited by modern subjectless for to dialects.

A number of questions remain to be answered, of course. Although most ModE subjectless for to dialects have not been studied in detail, it is clear that they vary considerably in terms of whether subjectless for to infinitives are allowed in purpose clauses only, or in control, ECM, and raising environments as well (see Carroll 1983, Corrigan 2003, Henry 1995, for discussion). Under (16), the spell-out of the relevant head as to or for to is likely determined by sets of syntacticosemantic features that must be specified by dialect. While (16) may need to be elaborated accordingly, it has the advantage of automatically predicting that for and to will be adjacent in ModE subjectless infinitives—a prediction that is borne out, as far as I am aware.

Under (16), subjectless for to dialects differ minimally from standard English in that they allow to be spelled out as for to under certain conditions, a feature inherited from western ME. To the extent that (16) is empirically viable, it enables a simplified account of the pattern in (15). The properties of the true complementizer for can receive a uniform analysis—whether this analysis involves subject licensing (Bošković 1997, Chomsky 1981) or constraints on the distribution of null complementizers (McFadden 2004)—and the possibility of variation or optionality need not be introduced. Subjectless for to infinitives like (15a) simply do not factor into such analyses, because the version of for seen here is not in C.

5 Conclusions

The contribution of this paper has been to draw a sharp distinction between the for in subjectless for to infinitives and the for in infinitives with subjects, and to show that variation in the former case does not pose a problem for theories of

10 A further question concerns whether for and for to can co-occur in a single infinitive (e.g., For Mary for to travel so far is no small thing). In dialects where such sentences appear to be prohibited, e.g. Belfast English (Henry 1995), it is possible that this effect is produced by a haploglogy mechanism in PF, rather than in the syntax proper (cf. the ‘double -ing constraint’). This possibility might be tested by e.g. manipulating the phonological weight of the intervening subject.
infinitival clause structure. Specifically, I have argued that infinitival for is not uniformly a complementizer across English dialects, but that some dialects have inherited from western ME a single head for to that alternates with to. This proposal is supported by a detailed study of historical data; indeed, one of the secondary contributions of this paper has been to show how large corpus studies can reveal patterns that might otherwise be obscured.

References

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