

Rising mobility in Slavic *i*-stems

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Abstract: In this article¹ dealing with Slavic accentuation, the author points to the secondary spread of accentual paradigm *c* instead of the original accentual paradigm *a* in Slavic *i*-stems. It is claimed that the phenomenon of the rising mobility in *i*-stems begun already in Proto-Slavic and that it has continued to be active during the histories of all Slavic languages and dialects up to this day. Various examples are discussed, most notably the word *zvěрь „beast“ for which it is claimed that it was originally a. p. *a* and not a. p. *c* (*zvěрь) as usually reconstructed.

In Proto-Slavic, nominal *i*-stems belonged to any of the usual three Slavic accentual paradigms – a. p. *a*, a. p. *b* or a. p. *c*². For instance - *nítъ „thread“, gen. sg. *níti (a. p. *a*), *ògнь „fire“, gen. sg. *ogñi (a. p. *b*) and *kòstъ „bone“, gen. sg. *kòsti (a. p. *c*). Later in Slavic languages, many of the old (masculine) *i*-stems changed their declension to *o*-stems, cf. for instance Croat. òganj, gen. sg. ògnja (cf. the original accent in the Posavina dial. of Orubica ògāñ, gen. sg. ògña), Russ. огóнь, gen. sg. огня́ (with a secondary oxytonesis in nom. sg.) or younger Croat. pūt „way“ (dial. pūt), gen. sg. púta (dial. pūtā) but Russ. нымь, gen. sg. нымú and Slovene pót, gen. sg. potí (but also pót, gen. sg. póta). These secondary changes of declension were attested already in OCS and vary widely in different Slavic languages and dialects. From an accentological point of view, the most interesting tendency concerning *i*-stems is the tendency of rising mobility (i.e. the secondary spread of a. p. *c* in *i*-stems), which has begun already in Proto-Slavic and is still active in some Slavic languages (Croatian for instance). This basically means that many original a. p. *a* stems in Slavic have been secondarily transferred to a. p. *c* stems³, some already in Proto-Slavic (for instance *vòltъ „blade of grass“) and most of them later in the separate histories of Slavic languages and dialects. This tendency is most prominent in South Slavic (Croatian, Slovene, Bulgarian), but it affected at least a few examples in all Slavic languages. Of course, this is a simplification. One can hardly consider all the *i*-stem examples of a. p. *a* > a. p. *c* as a result of one and only Slavic change. The „rising mobility“ should be considered as just a name which encompasses all of these different changes which have occurred since Proto-Slavic up till now. The tendency begun already in Proto-Slavic and was later continued in one or the other fashion in most Slavic languages.

The scope of this tendency is clearly seen if we compare Old Russian, which has preserved the original a. p. *a* in most cases (cf. the examples in Зализняк 1985: 132-

¹ I would like to thank Bulcsú László for many useful examples and ideas concerning the subject and to Kristina Mareníć for reading the text carefully. Of course, all the mistakes and interpretations are just mine.

² Cf. for instance Дыбо 2000: 42. I use small letters (*a*, *b*, *c*) when talking about Proto-Slavic accentual paradigms but capital ones (*A*, *B*, *C*) when talking about synchronic accentual paradigms in later Slavic languages/dialects (derived from Proto-Slavic paradigms).

³ Typologically, one can compare this tendency to a Lithuanian secondary spread of mobility in *o*-stems which was also a process which occurred mostly in historical time with different outcomes in different dialects. Cf. for instance Illich-Svytich 1979: 32.

133), and modern Croatian in which only three non-prefixed simple monosyllabic *i*-stems still belong to a. p. *a*⁴. These three nouns in Croatian are *smr̂t* „death“, *mjèd* „brass“ and *n̂it* „thread“⁵, but the a. p. *c* forms *mjêd* and *nîit* are also attested, in Slovene all three forms have either a „mixed“ a. p. *a/c* paradigm or a. p. *c* (see below), and in Old Russian *мѣдь* and *нитъ* are a. p. *a*, but *сѣмьртъ* is already a. p. *a* or a. p. *c* (only a. p. *c* in modern Russian) (Зализняк 1985: 132, 136).

We shall illustrate the rising of mobility in *i*-stems with some examples – first by some possible cases of a secondary a. p. *c* already in Proto-Slavic and then by the examples of Proto-Slavic a. p. *a* *i*-nouns which have become a. p. *c* nouns in at least some Slavic languages or dialects (as we shall see, sometimes almost all the languages have the secondary form).

*vôltъ, *vôlti (a. p. *c*) „blade of grass“ > Croat. *vlât*, gen. sg. *vlâti*, Slovene (*v*)*lât*, gen. sg. (*v*)*latî*, Russian *вóлотъ*, Old Czech *vlat̚*. Cf. also *o*-stem *vôltъ (a. p. *c*) > Croatian *vlât*, gen. sg. *vlâta*, Slovene (*v*)*lât*, gen. sg. (*v*)*lâta*, Ukrainian *вóлом*. For the acute cf. Lith. *váltis* (a. p. 1) (if Lithuanian has a. p. 1, one would expect a. p. *a*, i.e. **vôltъ in Slavic)⁶.

Balto-Slavic would perhaps point to PIE *wolHtis (cf. also Snopj: 346), but cognates like Greek *λάσιος* „hairy; overgrown“ (*wł̥tyos) or Old Irish *fol̥t* „hair; leaves“ (*woltos) are laryngealless. The laryngeal is also seen in PIE *wł̥h₂neh₂ „wool“ if these words belong to the same root. In this word, one must assume the change of a. p. *a* to a. p. *c* already in Proto-Slavic (or pre-Proto-Slavic) since no Slavic language points to a. p. *a*. However, it is also possible that one should reconstruct a. p. *a* in Proto-Slavic which later changed to secondary a. p. *c* in all Slavic languages.

There are a few other cases of the change of a. p. *a* to a. p. *c* already in Proto-Slavic. In the case of the word *dēverь (a masculine *i*-stem, but PIE *r*-stem), Lithuanian *dīeveris* (LRKŽ) (with secondary a. p. 1 > a. p. 3, i.e. *dīeveris* > *dieveris*) and Latvian *diēveris* clearly point to the acute. This is traditionally explained as a case of Hirt’s Law derived from PIE *deh₂ywēr „brother-in-law“ (cf. Vedic *devá*, Greek *δαῖρ*). One would also expect Slavic *dēverь, as indeed reconstructed by Illich-Svtyich (1979: 137, 143) and Дыбо (1981: 18, but also *dēverь in 1981: 158). However, it is much more likely that Slavic *dēverь (a. p. *c*) is to be reconstructed. Croatian *djēvēr*, *djēvera* is by itself inconclusive⁷, but Štokavian derivatives like *djevèriti*, *djevèrnjī*, *djevèrskī*, *djeveròvati*

⁴ Cf. Kapović 2007.

⁵ Croatian *pūt*, *pūti* „complexion“ is not originally a. p. *a* (*plěтъ, *plěti) but rather has the nominative *pūt* instead of the expected *pūt*. The expected alternation *pūt*, *pūti* has produced standard *pūt*, *pūti* and dialectal *pūt*, *pūti* as results of different leveling, cf. Kapović 2007.

⁶ Stang (1957: 9) and Kortlandt (1975: 55) list Lithuanian *klētis* (a. p. 1) ~ Slavic *klěтъ (a. p. *c*) together with *vôltъ as examples of Meillet’s Law. They seem to pay no attention to whether or not the words are mobile in Baltic (they are not!) and also do not note that Lith. *klētis* is a loanword from Slavic (PIE *kloyt-, cf. Old Irish *cliath*).

⁷ *dēverь would yield *djēvēr* like *gōvorь > *gōvōr* and *dēverь would yield also *djēvēr* like *kāmēnъ > *kāmēn* because of the secondary lengthening before resonants in two syllable a. p. *a* stems in Croatian (cf. Kapović 2005a: 58).

(ARj) as well as the Kajkavian dialect of Bednja form *devâr* (like *eblâok* „cloud“, *gelôub* „pigeon“ ~ Croat. standard *öblâk*, *gölib*, a. p. C) point rather to Proto-Slavic **děverь* than **děverь*⁸. In Slovene, there is both *devêr* and *dêver* - examples like these are unreliable in Slovene. However, note that Pleteršnik adduces both *devêr* (a. p. C) and *dêver* (a. p. A) but only *sêver* (a. p. A, originally a. p. a). Old Russian *дѣверь* is also a. p. C (Зализняк 1985: 138). If one should indeed reconstruct Proto-Slavic **děverь*, this would also be a case of a secondary mobility in Slavic *i*-stems.

There are two other examples of a. p. 1 *i*-stem in Lithuanian corresponding unexpectedly to a. p. *c* in Slavic. Cf. Lithuanian *kûjis* (a. p. 1) „hammer“ and Slavic **kŭjь* (a. p. *c*) > Slovene *kij*, Czech *kyj*, Russian *куй*, gen. sg. *куя*, nom. pl. *куи*. However, Illich-Svitych (1979: 138) sees an original *u*-stem here. Since Lithuanian *péntis* (a. p. 1) corresponds to a Slavic *ā*-stem **pētā* (a. p. *c*), no firm conclusion can be made there.

Secondary mobility is also seen in two examples in Slavic *o*- and *u*-stems. In spite of the fact that Lithuanian *sūnūs*, *sūnu* (a. p. 3) „son“ is very often taken for granted, in Old Lithuanian the form *sūnus* (a. p. 1) (Illich-Svitych 1979: 59) is attested and modern *sūnūs* seems to be secondary. One would also expect Lithuanian a. p. 1 (cf. Vedic *sūnūś*, PIE **suHnus*) as in Lithuanian *vŭras* (a. p. 1), Latvian *vīrs* < PIE **wiHros* „man“ (Vedic *vīrás*). The secondary mobility is also seen in Slavic **vīdь* (a. p. *c*) „sight“ (Croat. *vīd*, gen. sg. *vīda*, „iz *vīda*, loc. sg. *u vīdu*, Slovene *vīd*, gen. sg. *vīda*, Russ. *вид*, loc. sg. *в видѹ*, Bulgarian *вид*, def. *видѣт*, but pl. *видове*) compared to Latv. *veīds* and Lithuanian *veidas* (a. p. 1 > 3)⁹.

Now we shall list some of the examples of Slavic a. p. *a* *i*-stems which have secondary a. p. C reflexes in some Slavic languages/dialects due to the tendency of rising mobility in *i*-stems:

**smьrtь*¹⁰, **smьrti* (a. p. *a*) „death“ > Croat. *smřt*, gen. sg. *smřti*, *dò smrti*, acc. sg. *nà smrt*¹¹ (cf. secondary *ĩ smrti* in Budmani 1867: 170), Slovene *smřt*, gen. sg. *smřti* (Pleteršnik, cf. also younger *smřt*, gen. sg. *smřti* in Snoj), Russ. *смерть*, gen. sg. *нрѹ смерти*, gen. pl. *смертѣй* (a. p. C), a. p. A/C in Old Russian (Зализняк 1985: 136), Bulgarian *смърт*, def. *смъртта*¹².

**nĭтъ*, **nĭti* (a. p. *a*) „thread“ > Croat. *nĭt*, gen. sg. *nĭti* (also secondary, but clearly younger *nĭt*, gen. sg. *nĭti* – for instance Orubica), Slovene *nĭt*, gen. sg. *nĭti*, Russ. *нить*, gen. sg. *нѹти*, a. p. A in Old Russian (Зализняк 1985: 132), cf. also Lith. *nŭtis* (a. p. 1).

⁸ Cf. Kapović 2005a: 58.

⁹ PIE **weyd-* (Vedic *ved-*) with Winter's Law lengthening. The a. p. *c* in Slavic **vīdь* is perhaps due to analogy with cases like **rězati* (a. p. *a*) „to cut“ ~ **rězь* (a. p. *c*) „cut“, **běgti* (a. p. *a*) „to run away“ ~ **běgь* (a. p. *c*) „escape“ etc. where the a. p. *c* in Slavic is the expected correspondent to Lithuanian a. p. 3 (cf. Lith. *rėžas* and *bėgas*).

¹⁰ The acute is also structurally expected because this is a compound („good death“).

¹¹ In standard language and for instance in Prapatnice (Vrgorska krajina).

¹² Standard Bulgarian *i*-stems are not relevant since the definite ending *-mà* is always stressed.

*měďь, *mědi (a. p. *a*) „brass“ > Croat. *mjěd*, gen. sg. *mjědi* (cf. Prapatnice *o*-stem *mīd*, gen. sg. *mīda* but Orubica *mīd*, gen. sg. *mīdi*), Slovene *mêd*, gen. sg. *medî* (a. p. *C*), Russ. *медь*, gen. sg. *мѣду*, a. p. *A* in Old Russian (Зализняк 1985: 132), Czech *měď* (points to a. p. *c*), Bulgarian *мед*, def. *медѣ*.

*mýšь, *mýši (a. p. *a*) „mouse“ > Slovene *mīš*, gen. sg. *mīši*, Croat. *mīš*, gen. sg. *mīša* (*o*-stem), Russ. *мышь*, gen. sg. *мышу*, gen. pl. *мышей* (secondary mobility), but a. p. *A* in Old Russian (Зализняк 1985: 132).

*rýсь, *rýsi (a. p. *a*) „lynx“ > Croat. *řis*, gen. sg. *řisa* (with the transfer to *o*-stems), Slovene *rīs*, gen. sg. *rīsa* (with the transfer to both *o*-stems and a. p. *C*), Russian *рысь*, gen. sg. *рыси* (cf. the adjective *рысий* for a. p. *A*), Czech *rys* (points to a. p. *c* if the short vowel is old), Bulgarian *рис*, def. *рискът*, pl. *рисове* (a. p. *A*). For the acute cf. also Lith. *lūšis*, Latv. *lūsis*.

*rítь, *ríti (a. p. *a*) „ass, butt“ > Croat. *řit*, gen. sg. *řiti* (cf. also *řitica* „little butt“), Slovene *rit*, gen. sg. *rīti*, Czech *řit* (points to a. p. *c* if the short vowel is old). For the acute cf. also Lith. *rietas* „thigh“, Latv. *riēta* „leg“.

*žālь (a. p. *a*) „sorrow“ > Croat. *žào* (today indeclinable, but cf. *nàžao*, *nī žao* for a. p. *C*; cf. also the verb *žàliti*), Slovene *žal*, *žali* (cf. also younger *žâl* in Snoj), adjective *žal*. Cf. Lith. *gėlti* „to stab“, Latv. *dzēlt* for the acute.

*kořístь (a. p. *a*)¹³ „usefulness, benefit etc.“ > Croat. *kòrist*, gen. sg. *kòristi* and secondary *kòřist*, gen. sg. *kòřisti* (Kapović 2007), cf. the verb *kòristiti*, Slovene *korīst* (but cf. the verb *korīstiti*, pres. 1. sg. *korīstim*), Russian *корысть*, Bulgarian *кòрист*, def. *користѣ*.

*mýсьь (a. p. *a*) „thought“ > Croat. *mīsaο*, gen. sg. *mīsli*, Slovene *mīsəl*, gen. sg. *mīsli* (secondary instead of **mislî*), Russ. *мысль*, a. p. *A* in Old Russian (Зализняк 1985: 132), Czech *mysl* (points to a. p. *c*), Bulgarian *мисъл*, def. *мисълѣ*.

*pěsnь (a. p. *a*) „song“ > a. p. *A* in Old Russian (Зализняк 1985: 132), Czech *píseň* (points to a. p. *a*), but Slovene (older and dial.) *pêšen*. Croatian accent in *pjěsan* (ARj) is not reliable (the word is archaic, cf. the comment „dok se riječ govorila, jamačno je bio takav акс.“).

*dólnь (a. p. *a*) „palm“ > Croat. *dlàn*, gen. sg. *dlàna* (with transfer to *o*-stems), a. p. *A* in Old Russian (Зализняк 1985: 132), Slovene *dlàn*, gen. sg. *dlanî* (Pleteršnik, but Snoj has younger *dlân*, gen. sg. *dlanî*), Czech *dlaň* (points to a. p. *c*). Cf. Lith. *dėlnas*, dial. *dálna* and Latvian *dēļna* for the acute.

¹³ Snoj reconstructs **kòristь* (a. p. *c*).

In the given examples, we have seen clear examples of secondary mobility in original a. p. *a* *i*-stems in various Slavic languages/dialects. The tendency to transfer a. p. *a* to a. p. *c* in *i*-stems is strong even today in some Slavic languages.

In old a. p. *a* in Slovene, one would *a priori* expect reflexes like *mîš*, gen. sg. *mîši*. However, what one gets (if the word is not completely transferred to a. p. *c* like *mêd* etc.) is the type *nît*, gen. sg. *nîti* (cf. the same pattern in *smr̂t*, *rit̂*, *žâl*, *dlân*). Дыбо (2000: 26) thinks that Slovene *nîti* is the old loc. sg. analogically extended to gen. and dat. sg. However, this pattern could also represent a middle phase in the transfer of a. p. *a* to a. p. *c* – *mîš*, gen. sg. *mîši* representing the old pattern, *mêd*, gen. sg. *medî* representing the new pattern (cf. also the younger variants *smr̂t*, *dlân*, *žâl* in Slovene), and *nît*, gen. sg. *nîti* representing the „mixed“ pattern between the old and the new one. It is also possible that the old locative singular forms with the neo-circumflex might have helped the rising mobility in Slovene *i*-stems that has led to either „mixed“ paradigms or a. p. *c* (in some cases, the a. p. *a* is preserved of course).

One of the words which is often adduced as a mobile *i*-stem in Slavic is *zvĕr̂ь „beast“, compared to Lith. *žvėris*, *žvėrį*, Latvian *zvērs*¹⁴. Kortlandt (1975: 54) excludes this word from his Meillet’s Law wordlist because he sees *žvėrį* as a result of Lithuanian metatony and variant *žvērį* as original¹⁵. But the real problem is in Slavic, where *zvĕr̂ь does not seem to be original as is usually thought, in spite of Croat. *zvijêr*, gen. sg. *zvijêri*, Slovene *zvēr*, gen. sg. *zvēri*, Old Russian *ú звѣру*¹⁶, Czech *zvěř*, Bulgarian *звяр*, def. *зверѣт*, pl. *зверовѣ* etc.

In standard Croatian, the verb *zvjèrati*¹⁷ „to look around“ and the dialectal *zvjère*, *zvjèreta* „beast“ (besides *zvijere*, *zvijèreta* and dial. *zvîre*, *zvîreta*) point to the original acute on the root syllable. Moreover, in Štokavian dialect in Sandžak („novopazarsko-sjenički govor“) we find the form *zvèr*, gen. sg. *zvèri* or *zvèra*¹⁸ with the acute on the first syllable! This example can only be explained as an archaism and it points to Slavic *zvĕr̂ь. Thus, Sandžak novopazarsko-sjenički dialect would preserve the original form *zvèr*, *zvèri* (*zvèra*) < *zvĕr̂ь and the forms with the circumflex (Croat. *zvijêr*, Slovene *zvēr*, Old Russian *ú звѣру* etc.) would be secondary, due to the tendency of the spreading mobility in Slavic *i*-stems, for which we have already seen many examples. What is problematic is the discrepancy of a. p. *a* in Slavic and Lithuanian *žvėris* (a. p. 3/4)¹⁹. If the Slavic form is archaic, that would point to PIE root-noun *ǵʰweh₁r (the *i*-stem form in Balto-Slavic is probably not very old).

¹⁴ Cf. Stang 1957: 9, Дыбо 1981: 25, Дыбо, Замятина, Николаев 1990: 45 etc.

¹⁵ The real reason for rejecting this example is Kortlandt’s belief that only laryngeals produce BSl. acute, and PIE lengthened grade (such as *ǵʰwēr, with Szemerényi length later analogically introduced from nominative to other cases) does not. However, one can easily reconstruct PIE *ǵʰweh₁r in this case as well.

¹⁶ Дыбо 1981: 47. Cf. also Зализняк (1985: 138) for a. p. *c* in Old Russian.

¹⁷ Which can be derived only from *zvjèr.

¹⁸ Барјактаревић 1966: 83. Cf. in the same dialect *jād*, gen. sg. *jādi/jāda* (a. p. A) and *glād*, gen. sg. *glādi/glāda* (a. p. C), *smrād*, gen. sg. *smrādi/smrāda* (a. p. C).

¹⁹ Cf. the known case of disagreement with Slavic *rĕkà (a. p. *c*) and Lith. *rankà* (a. p. 2). Lithuanian a. p. 3 could in theory be secondary, but a. p. 1 variant is nowhere attested.

The rising mobility in *i*-stems in Slavic is perhaps also seen in the examples like Croat. *zèlen* „green“, Slovene *zelèn* (a. p. B) > Croat. *zèlèn* „greenstuff“, Slovene *zelên* (a. p. C); Croat. *čètvrti* „fourth“, Slovene *četrti* (a. p. B) > Croat. *čètrvrt* „quarter“, Slovene *četrt* (a. p. C) etc. Cf. also Slavic *lũčь, gen. sg. *lũči (a. p. b) „light“ (Slovene *lúč*, gen. sg. *lúci/lúči*, Czech *louč*; cf. also Croat. *o*-stem *lúč*, gen. sg. *lúča*) which has secondary a. p. C in Croat. *lúč*, gen. sg. *lúči*²⁰ (cf. also Slovene gen. sg. variant *lúci* instead of the older *lúči*).

It is also interesting to note that Slavic suffixless *i*-stems and *i*-stems with the suffix *-тъ are often a. p. *c* even if the corresponding verb is a. p. *a*. It is not clear whether (all of) these examples are to be attributed to the rising mobility in *i*-stems. Some of them might be results of other processes, such as Meillet’s Law (whether defined traditionally as the loss of the acute in mobile accentual paradigms in Slavic or by the different outcome of Balto-Slavic (-) acute in Slavic in different conditions as held by Moscow Accentological School). Here are the examples:

*kápati (a. p. *a*) „to drop, to pour“ ~ *kâpъ (a. p. *c*) „drop“

Croat. *kàpati* - *kâp*, gen. sg. *kâpi*, Slovene *kápati*, pres. 1. sg. *kâpam* - *kâp* „stroke“, gen. sg. *kapî*, Russ. dial. *кань*. For the acute cf. also Croat. *kâplja*, Slovene *káplja*, Russ. *капля* (*kâpl’ã) and Lith. *kópti* „go“, Latv. *kâpt*.

*jъзповѣditi (a. p. *a*) „to confess“ ~ *jъзповѣdь (a. p. *c*) „confession“

*zapovѣditi (a. p. *a*) „to order“ ~ *zâpovѣdь (a. p. *c*) „order“

Croat. *ispòvjediti*, *zapòvjediti* – *ispovijēd*, gen. sg. *ispovijēdi*, *zâpovijēd*, gen. sg. *zâpovijēdi*, gen. pl. *zapovijēdi*, *pròpovijēd* „sermon“, Slovene *izpovédati*, *zapovédati*, *propovédati* – *izpôved*, *zapôved*, *propôved*, Russian *исповѣдать*, *заповѣдать* – *исповедь*, *заповедь*, Bulgarian *изповядам*, *заповядам* – *изповед*, def. *изповедмà*, *зâповед*, def. *заповедмà*. Cf. also Croat. *zâpovijēst*, *prîpovijēst*, *ispovijēst* with the suffix *-тъ.

*ěsti (a. p. *a*) „to eat“ ~ *ědь (a. p. *c*) „food“

Croat. *jěsti* – *jâdi*, gen. sg. *jâdi* (arch.), Slovene *jěsti* - *jêd*, gen. sg. *jedî* (cf. also *pojêd*). Cf. also OCS *jadь*, Croat. *òbijēst* „wantonness“, *nâ(i)jēst* „satiety“, Slovene *obêst*, *opâst* „eine mit Schnee bedeckte Bergspitze“ with the suffix *-тъ.

*pâsti (a. p. *a*) „to fall“ ~ *pâstь (a. p. *c*) „hole“

Croat. *pâsti*, *l*-part. fem. *pâla*, Slovene *pâsti* – *pâst*, *pastî*, Old Czech *pâsti* – Czech *past*, Russ. *насть* – dial. *насть*. See also *pròpâstь below.

*propâsti (a. p. *a*) > *pròpâstь (a. p. *c*) „abyss, chasm etc.“

Croat. *pròpâsti* – *pròpâst*, gen. sg. *pròpâsti* „disaster, fall (fig.)“ (cf. deadjectival *upropâstiti* „to ruin“), Slovene *propâsti* – *propâst*, Russian *пропасть* – *пропасть*, gen. pl. *пропастьмѹ*, Bulgarian *пропадам* – *пропасть*, def. *пропастьмà*, Czech *propâsti* -

²⁰ There are no a. p. B *i*-stems in Croatian.

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