DEFINITION OF THE LOCAL BASE CONCEPTS AND THEIR MAPPING WITH THE ILI RECORDS

Deliverable D.4.1, WP4, BalkaNet, IST-2000-29388

BalkaNet

Identification Number	IST-2000-29388
Type	Report-Document
Title	Definition Of The Local Base Concepts And Their Mapping With The ILI Records
Status	Final
Deliverable	D.4.1
WP contributing to the deliverable	WP4
Tasks	T.4.1, T.4.2
Period covered	July-November 2002
Date	November 2002
Version	1
Status	Confidential
Number of pages	46
WP/Task Responsible	UAIC
Other Contributors	DBLAB, CTI, RACAI, DCMB, SABANCI, FIMU, PU, UOA

Authors	{Dan Cristea, Georgiana Puscasu, Oana Postolache} **UAIC**
	{Eleni Galiotou, Maria Grigoriadou, Anastasia Charcharidou, Evangelos Papakitsos, Stathis Selimis} **UOA**
	{Sofia Stamou} **DBLAB**
	{Cvetana Krstev, Gordana Pavlovic-Lazetic, Ivan Obradovic, Dusko Vitas} **MATF**
	{Ozlem Cetinoglu} **SABANCI**
	{Dan Tufis} **RACAI**
	{Karel Pala, Tomas Pavelek, Pavel Smrz} **FI MU**
	{Svetla Koeva} **DCMB**
	{George Totkov} **PU**
EC Project Officer	Erwin Valentini
Project Coordinator	Prof. Dimitris Christodoulakis Director, DBLAB Computer Engineering and Informatics Department Patras University GR-265 00 Greece Phone: +30 610 960385 Fax: +30 610 960438 e-mail: dxri@cti.gr
Keywords	base concepts, ILI records, electronic dictionaries, cross-language lexical equivalencies
Actual Distribution	Project Consortium, Project Officer, EC

Abstract	This report presents the definition of Base Concepts - an EuroWordnet term, describes their selection for each monolingual wordnet of the participating Balkan languages (Bulgarian, Greek, Romanian, Serbian, and Turkish), using the already existing linguistic resources. For each of the above mentioned languages, the selection process of a set of basic linguistic terms or concepts, which play an important role in the respective languages, is described. The starting point for defining the Balkanet Base Concepts was the first set of 1310 Base Concepts selected in EuroWordNet, that we called BC1. Afterwards, each participant selected its own set of Base Concepts, other than those already existing in BC1, based mainly on monolingual criteria. These selections have been compared among the 5 languages and a common set of Base Concepts was decided to be used by all partners. Partners who already had a wordnet (as, for instance, the Czech team) shared their knowledge and expertise with the other members of the consortium. In addition to this report, each participant delivers the set of ILI numbers representing their selection for the Base Concepts, along with the lexical resources they used to determine these concepts.
Status of abstract	Complete
Send on	November 2002

TABLE OF CONTENTS

EXECUTIVE SUMMARY

WordNet (Fellbaum 1998, Miller et al. 1990), a lexical database with semantic relations between English words, was developed in the Cognitive Science Laboratory at the University of Princeton. Its success as a lexical resource in several computational linguistic tasks has led to the production of similar semantic lexical databases for many other languages. Following the initial design of WordNet, the EuroWordNet project (Vossen, 1998) resulted in a multilingual lexical database with wordnets for eight European languages (Czech, Dutch, English, Estonian, French, German, Italian and Spanish).

The goal of Balkanet is to develop a multilingual lexical database with semantic networks of the following languages: (Bulgarian, Czech, Greek, Romanian, Serbian and Turkish) along the general guidelines of EuroWordNet. For that purpose, each monolingual wordnet which is being developed independently will be incorporated in the BalkaNet database which in turn will be linked to EuroWordNet thus resulting in a global semantic database.

The overall design of the Balkanet database implies the relatively independent development of individual language-specific wordnets while guaranteeing a minimal level of compatibility. To enlarge the compatibility of the five wordnets, the selection of a common set of so-called Base Concepts was the first step to take for all the sites. Base Concepts are meanings that play a major role in the language. The classification method of the Base Concepts is based on a Top Ontology.

The starting point for defining the Balkanet Base Concepts was a set of 1310 Base Concepts selected in EuroWordNet. This set was subsequently called by the Balkanet consortium BC1. Given the BC1 set, each site has already created the corresponding synsets and aligned them with the corresponding ILI numbers. Afterwards, the methodology agreed upon was to extend the BC1 set with a set, so-called Base Concepts 2 (BC2), also common to all languages. BC2 was the result of the comparison of the concepts chosen by each of the 5 languages involved as being the translation in English of those playing an important role in each language. The importance of a concept was measured using different monolingual criteria and its relevance in the other languages. A concept is important if it is widely used, either directly or as a reference for other widely used concepts. Importance is thus reflected in the ability of a concept to function as an anchor to attach other concepts.

In this respect, each team has performed a recording of already available resources that are useful to the classification and, finally, to the selection of the most important concepts in their language.

This deliverable describes the local definition of what was considered to be Base Concepts in Bulgarian, Greek, Romanian, Serbian, and Turkish wordnets. The resources that supported the monolingual work at a local level will also be described below.

❑ Bulgarian:
- ▪ Bulgarian Explanatory Dictionary

- ■ Bulgarian Frequency Dictionary
- ■ Bulgarian Semantic Minimum Dictionary
- ■ Bulgarian Synonymy Dictionary
- ■ English-Bulgarian and Bulgarian-English electronic dictionaries
- ❑ Greek:
  - ■ monolingual Greek dictionaries
  - ■ ECI corpus
- ❑ Romanian:
  - ■ Romanian Explanatory Dictionary
  - ■ English-Romanian and Romanian-English electronic dictionaries
- ❑ Serbian:
  - ■ English-Serbian and Serbian-English dictionaries
  - ■ A Serbian 6-volume explanatory dictionary
  - ■ A Serbian systematic dictionary
- ❑ Turkish:
  - ■ The "Defining Vocabulary" from the Longman Dictionary of Contemporary English
  - ■ A list of most frequent English words based on the British National Corpus

The final set of the common Base Concepts, as well as the methodology used for defining it, are subject of the deliverable D.4.2.

1. INTRODUCTION

The work reported in this deliverable is the output of the first two tasks (T.4.1 and T.4.2) of work-package WP4 which deal with the definition of the local Base Concepts for the construction of the monolingual wordnets for each of the languages participating in the Balkanet project (Bulgarian, Greek, Romanian, Serbian and Turkish) and, respectively, with the mapping with the ILI records.

The recommendation of the Balkanet consortium was to adopt the *merge model* (Vossen, 1998) although not every team followed it. The development of the majority of wordnets is based on local resources, with synsets and language-internal relations being developed separately and then linked to the ILI number found to be the closest. Consequently, each partner was led to develop his own set of the most important local concepts taking into account the peculiarities of each language.

The consortium agreed that on a first phase of T.4.1 every participant would have to find the language specific concepts most closest to a common set of EuroWordNet Base Concepts, called BC1. Subsequently, this common set had to be extended to an enlarged set (the consortium recommendation was to achieve 5000 concepts) of common concepts (also called Base Concepts in Balkanet) - that the consortium agreed to call the BC2 set. During the T.4.2. task, each partner had to align its local set of Base Concepts (beyond those in BC1) to the corresponding ILI records in order to establish cross-language lexical equivalencies. The translation to the ILI equivalencies had to be done either manually or with the use of bilingual dictionaries.

To start the selection process for the local BC2 sets, each partner had to perform a detailed recording of already available language resources that could have been useful to the selection of the most important concepts in their own languages. These resources had to be evaluated and in certain cases adapted to the requirements of the task at hand.

The members of the consortium have developed sets of local concepts, in the order of their importance in the language, selected mainly after monolingual criteria. The Czech team, who had already a wordnet developed for their language, shared their knowledge and expertise with the other members of the consortium and, following an analysis of the most important local concepts for every Balkanet language, they compared these results and decided which were the common concepts to be included into the BC2 set.

This report contains the catalogue of language resources used in defining local Base Concepts, and the methodology for determining the proposed sets of local concepts for each Balkan language.

The report is structured into 10 sections, as follows: section 1 is the present introduction; section 2 describes the methodology used in EuroWordNet for selecting the 1310 concepts that we called BC1; section 3 describes the Czech selection method for the Common Set of Base Concepts, sections 4 to 8 describe the local selection methodologies for Bulgarian, Greek, Romanian, Serbian and Turkish respectively, excepting Czech, which already had a developed wordnet.

Section 9 describes the overlaps computed among the contributed local proposed BC2's. Finally, section 10 contains conclusions and guidelines or future work.

As appendixes to deliverable D.4.1 are the full sets of proposed local concepts of each site. The same data can be found on the project's information server:
http://dblab.upatras.gr under Project Actual Work/new synset glosses (from 1.7->1.5)

2. METHODOLOGY FOR THE CHOICE OF BASE CONCEPTS IN EUROWORDNET

The main characteristic of the Base Concepts is their importance in the wordnets. According to a pragmatic point of view, a concept is important if it is widely used, either directly or as a reference for other widely used concepts. Importance is thus reflected in the ability of a concept to function as an anchor to attach other concepts. This anchoring capability has been defined in terms of two operational criteria that can be automatically applied to the available resources:
-   the number of relations (general or limited to hyponymy);
-   high position of the concept in a hierarchy (in WN1.5 or in any local taxonomy).

The notion of Base Concepts thus should not be confused with Basic-Level Concepts as defined by Rosch (1977). According to Rosch, the Basic Level is the level at which two conflicting principles of classification are in balance: 1) to predict features for as many instances as possible, 2) to predict as many features as possible. Typically, this balance occurs at an average level of specificity (where the level can vary due to interest and experience). Base Concepts are technically defined as the concepts with most relations. This more strongly correlates with the first principle, and they are therefore in most cases more general than the Basic Level Concepts.

Because the selection of these concepts should not be biased by a particular language or resource, each EuroWordNet site has carried out an independent selection in their language. These selections have been translated to the closest equivalents in WordNet1.5 and the translated selections have been compared.

First there was made a comparison between the Base Concepts (BCs) selected in the English, Dutch, Italian and Spanish wordnets. This set has been verified later by taking similar selections in the German, Estonian and Czech wordnets (for the French wordnet no independent selection has been carried out).

Once each group had selected their local set of BCs and linked it to WN1.5 synsets, the different intersections (pairs, triples, etc.) of the local BCs have been computed. In the ideal case, the selected sets of concepts coincide. The intersection of the English (GB), Dutch (NL), Spanish (ES) and Italian (IT) translations was however only 30 BCs (24 noun synsets, 6 verb synsets). This total intersection is not a reliable set. Important concepts such as *animal*, *object*, *place*, *location* are not included. Therefore, there were selected all concepts occurring in two sets: the intersection-pairs.

Merging these intersections resulted in a set of 871 WN1.5-synsets (694 nouns and 177 verbs) out of a total set of 2860 synsets. Inspection of the rejected cases resulted in an extension of the BC set with another 211 noun and 62 verb synsets. The total set of common BCs (CBCs), based on English, Dutch, Italian and Spanish, thus consisted of 1144 synsets, 905 nominal BCs and 239 verbal BCs.

This set of CBCs has been verified by the Base Concept selections extracted in a similar way in French (FR), German (DE), Estonian (EE) and Czech (CZ).

As before, the total intersection of BCs derived for the new languages (FR, DE, EE, CZ) is small (100 synsets). The total intersection by 8 languages is only 15 synsets. The union of the intersection pairs is a set of 877 synsets (619 nouns and 258 verbs), which is comparable with the union of intersection pairs for GB, NL, ES, and IT.

Comparing the overlap between the new selections (EWN2) with the first set of common BCs (EWN1), 105 nouns and 61 verbs have been selected by at least 2 EWN2 sides that are not part of the set of common Base Concepts selected in EWN1. These have been added to the set of common Base Concepts, resulting in a final total of 1310 synsets: 1010 nominal and 300 verbal synsets. Note that this set does not represent the most minimal set of concepts. No attempts have been made to reduce the set by generalizing unbalanced selections (e.g. *dog* is selected but not *cat*), merging synomous concepts (e.g. *act* and *action*). The main idea of the selection has been to be complete rather than to be minimal.

This set of 1310 concepts has been called in Balkanet - the BC1 set.

3. CZECH PROPOSAL FOR THE BALKANET COMMON SET OF BASE CONCEPTS

On June 2002 the Czech team made a proposal for the selection of a set of Common Base Concepts. Although this should be part of the deliverable D.4.2., which is intended to describe the tracing of the Common Base Concepts on ILI records, we will mention here their method, in advance to the schedule.

The Czech team proposed that the BC2 set should contain: all 243 direct or indirect hyperonyms of concepts in BC1 that are not in BC1, all 18 concepts suggested by any four teams together, all 96 concepts suggested by any three teams together, all 617 concepts suggested by any two teams together, 2269 of other concepts suggested by only one team. This whole set consists of all concepts that are on the 1st, 2nd, 3rd, 4th or the 5th level of hypero-hyponymical tree plus some concepts that are on the 6th level of this tree, and all 447 direct or indirect hyperonyms of concepts included in previous groups that are not in BC1, i.e. 3690 synsets together.

As such, BC2 contains 2351 noun concepts, 1286 verb concepts and 53 adjective concepts. 5 adverb concepts, that occur in some partners' suggestions were omitted (their ILI numbers are: 00009298-b, 00015369-b, 00078595-b, 00089836-b and 00203907-b).

Because BC1 and BC2 are disjunct, there are 5000 Base Concepts (BC) now (the sum of 1310 BC1 and 3690 BC2). Moreover, all BC meet the condition, that if a concept is a BC then also all of its hyperonyms are BCs. It means that, following this convention, the BC set should reasonably cover the "top" of hypero-hyponymical tree.

If the selection of local sets of base concepts is seen as an intermediary step towards the accomplishment of a common ground of base concepts, accepted by the whole consortium, then the methodology employed by the mentioned partners is not amendable, provided that the BC2 selection is followed by an analysis aimed to find whether some local important concepts that are skipped in this initial selection and to remediate this drawback.

4. DETERMINATION OF THE BULGARIAN BASE CONCEPTS

The DCMB team started to develop Bulgarian WordNet translating the 1310 Base Concepts defined in EuroWordNet. Next step was the selection and determination of a new set of Base Concepts, based mainly on monolingual criteria.

The DCMB team has computed a list of 506 ILI concepts as candidates for the BC2 set. The following sources were used to compose the list:

1. Bulgarian Semantic Minimum Dictionary

The dictionary consists of about 850 words and their meanings that represent the necessary and sufficient units which form the core of the whole Bulgarian lexical system.

2. Bulgarian frequency dictionary, extracted automatically from corpora, containing 23 767 170 words.

3. Bulgarian Grammatical Dictionary, consisting of about 80 000 lemmas and over 1 000 000 corresponding forms - basically all inflected simple words.

4. Bulgarian-English Dictionary, structured for the purposes of the selection in the following format:

<R>

  <W>АВТОМАТ</W>

  <D>(машина) vending machine, automatic machine; automatic device; disperser</D>

  <D>билетен АВТОМАТ (за издаване на жп. билети) automatic ticket machine, passimeter</D>

  <D>монетен АВТОМАТ (penny-in-the) slot-machine; coin (operated) machine</D>

  <D>телефонен АВТОМАТ an automatic telephone, a public telephone</D>

  <D>воен. sub-machine-gun, амер. submachine gun; tommy-gun</D>

  <D>прен. (за човек) automaton (pl automata, automatons); robot</D>

</R>

In order to choose the candidates for BC2 two different procedures have been used:

1. The extraction of all words included in Bulgarian Semantic Minimum Dictionary which do not occur in the BC1 set.

2. The extraction of the list of most frequent nouns and verbs in Bulgarian which do not occur in the BC1 set.

The comparison of the words found out in Bulgarian Semantic Minimum Dictionary with the literals included in the EuroWordNet Base Concepts showed that the lists were almost overlapped – there were only 106 entries that were not included in BC1, namely potential candidates for BC2. Also considered were the first 700 most frequent Bulgarian nouns and verbs disjointed with BC1. The grammatical information is not included in the extracted Frequency dictionary, that is why the part of speech affiliation of words was taken using Bulgarian Grammatical dictionary. The final list of selected Bulgarian words was the union of the lists, produced by the above mentioned procedures (756 words).

For all selected Bulgarian words, the English translations from the Bulgarian-English dictionary have been detected and the English WordNet1.5 synsets where the translation equivalents occurred were selected. For example:

автомат :

```
<SYNSET>
        <POS>n</POS>
        <SYNONYM>
                <LITERAL>submachine gun
                        <SENSE>1</SENSE>
                </LITERAL>
        </SYNONYM>
        <ILI>02584616-n</ILI>
        <HYPERONYM>02584336-n</HYPERONYM>
</SYNSET>

<SYNSET>
        <POS>n</POS>
        <SYNONYM>
                <LITERAL>automaton
                        <SENSE>1</SENSE>
                </LITERAL>
                <LITERAL>robot
                        <SENSE>1</SENSE>
                </LITERAL>
        </SYNONYM>
        <ILI>02089854-n</ILI>
        <HYPERONYM>02010561-n</HYPERONYM>
</SYNSET>
```

The extracted English synsets were checked and reduced by a professional translator.

As a result of these applications, the Bulgarian proposal for the BC2 was a list of 506 unique concepts.

5. DETERMINATION OF THE GREEK BASE CONCEPTS

During the determination of the Greek Base Concepts the following were taken into consideration. Following mutual agreement established among the consortium during the second progress meeting in Istanbul we adopted the following principles while selecting Base Concepts:

1. The Greek team started defining BCs by translating the 1310 Base Concepts of the EuroWordNet project. These translated terms formed the BC1 of the Greek Base Concepts, which were also adopted by the other monolingual Wordnets participating in the BalkaNet project. Following on form this for the determination of BC2 for the Greek Base Concepts the following methodology was adopted:

2. For all BC1 concepts adopted from the EWN Project we traced semantically related terms. In particular, all BC1 terms were looked against Greek explanatory dictionaries in order to trace their hypernyms. The latter were included into the Greek WordNet as candidate Base Concepts. However there were cases that some hypernyms had not great frequency value due to different lexicalised patterns that exist between Greek and English. Terms with low frequency valued were checked where possible against the ECI corpus and if infrequent use was verified then these terms were omitted form the BCs set.

3. Terms morphologically related to BC1 or terms sharing semantic relations with BC1 set were considered as candidate BCs. More specifically, terms sharing the same hyponyms or hypernyms were considered semantically related and as such they were considered as candidate BCs.

6. SELECTION METHOD FOR THE ROMANIAN BASE CONCEPTS

The Romanian team has computed a list of about 4000 ILI concepts as candidates for the BC2 set. The criteria used were discussed (among other things) in Istanbul and are restated here:

1) all hyperonyms of the base concepts which are not base concepts themselves (proposed by the Serbian partner). These were (unexpectedly few) only 208. Let's call this set S1;
2) the concepts linked in most languages (suggested by the French partner). This set can be found in the file of ILI mapping uploaded onto the server. A line has been drawn to minimum 4 languages being mapped onto candidate ILI concepts. Let's call this set S2;
3) language specific data (definitional productivity, number of senses, frequency in a large corpus). A ranked list of 8000 Romanian lemmas was drawn. For all of these, a ranked list of English translations was extracted. Let's call this set S3.

Then, various intersections were performed. Out of S1, 123 are also in S2. The remaining 85 concepts in S1 are most of them worth considering for being worked out. Therefore a proposal was made to go for all concepts in S1. So, S1 U S2 (set reunion) was intersected with S3 to find out how many concepts in S1 U S2 could be lexicalized by words considered important from the Romanian point of view. The result counted only 142 concepts, which were quite unlikely to be useful from the monolingual point of view (therefore hard to find lexicalisations for). However, another set of 387 concepts (call them S4), found as very good candidates, were not found in S1 U S2 because they were translated in less than 4 languages.

The final list of ILI records proposed by the Romanian team contained S1 U S2 U S4.

The 8000 Romanian lemmas included in S3 have been extracted from the Romanian Explanatory Dictionary sorted after a weighted combination of the following scores:
   -   polisemy degree (PD) (the number of senses listed in our dictionary);
   -   definitional productivity (DP) (the number of sense definitions a noun participates in)
   -   frequency range in a 100,000,000 words corpus (lemmatized and tagged); the ranges were splitted into three:
   I)   0-10,000 most frequently encountered lemmas;
   II)   10,000-20,000 (the next 10,000 most frequent lemmas)
   III)   20,000-onwards (the less frequent lemmas)

The III-rd range lemmas, the monosensous words and those having the definitional productivity less than 3 were left out.

As one might expect, the lists obtained by each individual criterion above, strongly correlated – the Spearman rank correlation has been used – so, most of the 8000 remaining nouns (99.5%) were from the I-st frequency interval, with DP >10 and PD > 3.

For all these nouns, the English translations from the Romanian-English translation equivalence dictionary have been extracted. All pairs with an English word (or a synonym of it) in the BC1 set were also associated with the corresponding top-

ontology description. Practically all English nouns in the BC1 set were found in the upper top of the Romanian 8000 noun list.

Because the Romanian translation equivalence dictionary is based on sense equivalence in context, there are all the reasons in the world to transfer the ontological description from an English synset to a Romanian synset. Deciding which Romanian synset will be the job of the lexicographers.

7. DETERMINATION OF THE SERBIAN BASE CONCEPTS

In the compilation of the MATF proposal for the BC2 set, the following principles for the selection of concepts have been formulated:

-    hyperonyms of the BC1 concepts, which were not themselves included in BC1 should be included in the first place. However, some exceptions to this principle are permitted, since there are cases when the hierarchy of the English tree is too fine grained for Serbian. In those cases the decision to omit some of the hyperonyms has been adopted. For instance, for *payment 2* there have been included the following hyperonyms: *transferred possession 1*, *loss 7*, *financial loss 1* and *cost 3* and omitted the *outgo 1* and *disbursal 2* hyperonyms.

-    the second group of concepts that should have been added were those that shared a hyperonym with a concept in the BC1 set and were at the same time roots of large hyponym trees. In some cases, concepts have been added that do not satisfy the latter criterion (their hyponym tree was not a large one), but they were strongly related to the base concept they shared the hyperonym with. For example, the concept *alkali 1*, *base 14* was added as a concept closely related to the base concept *acid 2* and also *arteria 1*, *artery 2* since its closely related concept *vein 2*, *vena 1* is a base concept.

As a result of the application of these principles, the Serbian proposal for the BC2 set materialized into a list of 554 concepts.

8. SELECTION METHOD FOR THE TURKISH BASE CONCEPTS

In line with the decision of the Balkanet Consortium, the Turkish team first started translating the 1310 Base Concepts of the existing Euro Wordnet Project (see Appendix II, Top Ontology Classification of the Base Concepts in [1]).

While choosing the candidates for BC2 the Turkish team followed two different approaches. One of them was to extract the so-called "gap base concepts" and the other was to construct a set of candidates which would be used by all languages of the Balkanet project. The resulting set of synsets has been formed by combining the results of these two approaches.

240 Gap Base Concepts

These are the 240 non-BC hyperonyms of the 1310 Base Concepts of BC1. The idea here was to fill all the gaps between members of the BC1 set up to the relevant topmost entries, so that the expanded set of Base Concepts becomes a set of several "chains", and not "some chains and some free nodes" as it was before.

There were some synsets at root level which, despite having concepts from the BC1 set as its hyponyms, were not themselves included in the BC1 set. For instance:

abstraction:1 (not in BC1)

has hyponyms:

- amount:1, measure:1, quantity:1, quantum:1 (in BC1)
- attribute:1 (in BC1)
- relation:1 (in BC1)
- space:1 (in BC1)
- time:1 (in BC1)

1228 Additional Synsets

While constructing this set of concepts, the aim was to obtain maximum "productivity" and maximum overlap between all languages. So, these concepts are "important" concepts that should have been dealt with in the second stage of the work and were considered also "important" for all languages of Balkanet.

As a starting idea, the concept of a "defining vocabulary" seemed to the Turkish team well suited to the task of determining "important" concepts. The defining vocabulary of the Longman Dictionary of Contemporary English, which is freely available in the public domain [2], has been used.

The second source was the list of most frequent words in the English language. For this purpose, the list at [3] has been used.

Those entries in the Longman Defining Vocabulary which didn't already exist among the Turkish extended set of Base Concepts (1310 representing the BC1 set and the

additional 240 viewed as "Gap Base Concepts") have been intersected with the most frequent words of the English language. This intersection also allowed the ranking of the new entries in terms of their frequencies, so, the entries higher on the list could be considered more "important" than those lower.

The result was a list of 712 lemmas. Then, all English Wordnet synsets that contain these lemmas have been extracted. In this way, resulted a set of 3114 synsets. Then, this set has been reduced by taking into consideration only those synsets having hyperonyms in the BC1 set. The final product was a collection of 1228 synsets.

In this way, all "dangling nodes" from the Turkish hierarchy have been eliminated. The resulting hierarchy contains 247 separate trees of varying length.

The Turkish method can be expressed by the following formula:

$$\textbf{FRQ int ((LNG - (BC1 + GAP\_BC)))}$$

where,
- FRQ denotes a list of most frequent English words based on the British National Corpus [3];
- LNG denotes the "defining vocabulary" used by the Longman Dictionary of Contemporary English ([2]);
- BC1 denotes the set of 1310 Base Concepts from the EuroWordnet project;
- GAP_BC denotes the set of 240 additional synsets used to fill the gaps between BC1's up to the relevant topmost entries;
- int denotes the intersection operator.

The Turkish team are aware that this methodology is completely independent of the Turkish language, for which they are trying to build a wordnet. The motivation is that, at this relatively high level of the hierarchy, the most frequent words for any language would be "important" for all languages. In addition, the task the team was faced with, was the selection of synsets in the English language, since the translation would, for practical purposes, be made from English. So, they thought that, basing the selection on the English language would not be a totally misleading method. They think that language-specific information will be more important as moving down the hierarchy.

REFERENCES

1. "*The EuroWordNet Base Concepts and Top Ontology*"
http://www.illc.uva.nl/EuroWordNet/docs.html

2. Defining Vocabulary for the Longman Dictionary of Contemporary English
http://www.sys.uea.ac.uk/~jrk/conlang.dir/LongmanVocab.html

3. Most Frequent English Words
http://www.itri.bton.ac.uk/~Adam.Kilgarriff/bnc-readme.html#lemmatised

9. ANALYSIS OF THE OVERLAPS BETWEEN THE PROPOSED SETS OF LOCAL BASE CONCEPTS

Total number of ILIs resulted from the mapping of the local Base Concepts for each team of the participating Balkanet languages:

- Bulgarian 505
- Greek 478
- Romanian 4000
- Serbian 567
- Turkish 1409

It should be mentioned that in some proposed lists there were ILIs which appeared twice and some of them even three times. These repetitions have been eliminated from each partner's proposal and that may be the reason why some of the present numbers do not correspond to each partner's declaration.

Overlaps between every two proposed lists

	Bulgarian	Serbian	Turkish	Greek
Romanian	160	263	585	108
Bulgarian		30	89	13
Serbian			220	28
Turkish				49

Overlaps among every three proposed lists

Romanian + Bulgarian + Serbian	22
Romanian + Bulgarian + Turkish	52
Romanian + Bulgarian + Greek	7
Romanian + Serbian + Greek	20
Romanian + Turkish + Serbian	167
Romanian + Turkish + Greek	35
Bulgarian + Turkish + Serbian	17
Bulgarian + Turkish + Greek	4
Bulgarian + Serbian + Greek	1
Turkish + Serbian + Greek	16

Overlaps among every four proposed lists

Romanian + Bulgarian + Serbian + Greek	1
Bulgarian + Serbian + Greek + Turkish	1
Serbian + Greek + Turkish + Romanian	16
Greek + Turkish + Romanian + Bulgarian	3
Turkish + Romanian + Bulgarian + Serbian	13

Overlaps among all the lists

Romanian + Bulgarian + Greek + Serbian + Turkish	1

General overlaps among any combination of lists (our statistics)

Any four teams together	30
Any three teams together	245
Any two teams together	961

The Czech statistics

Any four teams together	18
Any three teams together	96
Any two teams together	617

10. CONCLUSIONS AND FUTURE WORK

In this deliverable we have presented the selection methods of the local Base Concepts for each of the participating languages (Bulgarian, Greek, Romanian, Serbian, Turkish), excepting Czech which has already developed a wordnet. In addition, each partner has delivered the lists of the proposed ILI's for his language separately and they are currently available on the information server and also as annexes to this document.

In the content of this work-package, each participant, following a methodology applicable to the construction of the respective monolingual WordNet, has selected a list of concepts which were considered to be most important in his language. In section 9 an overlapping analysis was drawn. As it might be seen from the above tables of overlaps between the five sets of selected Base Concepts and as we have expected, the languages involved in this project are different with respect of what concepts are considered to be basic or important. As a consequence, the extraction of the Common Base Concepts was not trivial. This extraction has been done by the Czech team and its result was the BC2 set, which consists of 3690 ILI records.

As a part of future work each partner has to develop his own set of synsets corresponding to the selected Base Concepts.

REFERENCES

Fellbaum, C. (ed.) 1998. *WordNet: An Electronic Lexical Database*. Cambridge, MA: MIT Press.

Fellbaum, C. 1990. "English Verbs as a Semantic Net". *International Journal of Lexicography,* Vol 3, No.4, 278-301.

Miller G., R. Beckwith, C. Fellbaum, D. Gross, K.J. Miller. 1990. "Introduction to WordNet: An On-line Lexical Database". *International Journal of Lexicography*, Vol 3, No.4, 235-244.

Rosch, E. 1975. Cognitive Representations of Semantic Categories In: Journal of Experimental Psychology: General 104:192-233.

Rosch, E. 1977 *Human Categorisation.* In N. Warren (Ed.) Studies in Cross-Cultural Psychology, Vol. I, pp. 1-49. Academic Press. London.

Vossen, P. (ed.) 2002. *EuroWordNet. General Document*.

Fellbaum, C. 1990. "English Verbs as a Semantic Net". *International Journal of Lexicography,* Vol 3, No.4, 278-301.

ANNEX 1

The Mapping with the ILI Records of the
Bulgarian Local Base Concepts

1011032-v	2083227-n	2813853-n	3570575-n	4153127-n	4714117-n
1031705-v	2096598-n	2855539-n	3575113-n	4208887-n	4723164-n
103989-n	2100718-n	2865112-n	3576926-n	4211005-n	4724593-n
104355-v	2124183-n	2876985-n	3580189-n	4212803-n	4734434-n
110396-v	2172888-n	2904519-n	3586387-n	4242515-n	4755645-n
1141779-v	2207842-n	2930419-n	361645-n	424448-n	4771851-n
1152122-v	2218920-n	2946903-n	36401-n	425515-n	4777090-n
1216027-v	2256114-n	2967377-n	3654295-n	426637-n	4780657-n
1248626-n	2266800-n	2994588-n	365577-n	4270263-n	4782998-n
1277199-v	226875-n	3007570-n	366604-n	4281736-n	4789978-n
1281885-v	2293034-n	3014390-n	3728823-n	4282424-n	4800115-n
1282990-v	230674-n	3030896-n	3765251-n	4312465-n	4804627-n
1300485-n	2329807-n	3082601-n	378334-v	4323474-n	4809665-n
1303135-v	240760-n	3111696-n	3801351-n	4330686-n	4814135-n
1343674-v	2410743-n	3118637-n	3834074-n	434296-n	4818851-n
1387083-v	24111-n	3121046-n	3846371-n	4343110-n	4819051-n
1393539-v	2430067-n	3137416-n	3858374-n	4357860-n	4824185-n
1429171-v	2432728-n	3160216-n	3871589-n	4358508-n	4840125-n
1446559-v	2449797-n	3171470-n	3877957-n	4365877-n	4840620-n
145285-n	2483772-n	3182785-n	3891883-n	4370143-n	4848381-n
1471536-v	2485595-n	3205430-n	38929-n	4386803-n	4865-n
1477879-v	2507121-n	3228373-n	3893475-n	4390828-n	487702-n
1486355-n	2517320-n	3236256-n	3895653-n	4394022-n	4916628-n
1487133-v	2519008-n	3253503-n	3897733-n	4398530-n	4938752-n
148798-n	2536526-n	3280552-n	3930751-n	440000-n	4959062-n
14882-n	2550043-n	3287262-n	3932468-n	440329-v	496882-v
1492762-v	2576245-n	3288398-n	3940155-n	4414253-n	499783-n
1526974-v	2584616-n	331061-v	3943010-n	4414463-n	5015873-n
1532846-n	2585168-n	3355056-n	3945106-n	443207-n	501668-v
1533613-n	2588934-n	33585-n	3945844-n	446083-n	5034000-n
15369-n	263159-n	339051-a	3948538-n	4495739-n	505014-n
1539895-v	2635006-n	3405205-n	3957953-n	450196-n	506493-n
1541955-v	2636379-n	3426404-n	3969667-n	4608587-n	507790-n
1545644-v	2646504-n	342842-n	3977792-n	4609107-n	5078694-n
157028-n	2666074-n	3447555-n	3985547-n	4616654-n	5090435-n
1723225-n	2685207-n	3451500-n	3995589-n	4619656-n	509564-n
1761304-n	2701613-n	3464390-n	4009451-n	4625813-n	5116476-n
1773593-n	2713651-n	3477899-n	4010732-n	4633636-n	5118740-n
1965302-n	2725092-n	3491532-n	4036803-n	4644757-n	5127861-n
1991412-n	2728-n	3504545-n	4037991-n	4667612-n	5129724-n
2036726-n	2744877-n	3534628-n	405636-v	4698348-n	513012-n
2054514-n	2759918-n	3540591-n	4111788-n	4702593-n	513328-v
2077152-n	2782476-n	3554407-n	4121418-n	4704301-n	5135356-n
207968-v	2788070-n	3568395-n	4141902-n	4712402-n	5149489-n

5150995-n	568820-n	6132798-n	6520859-n	8403226-n	9098248-n
5151482-n	5693565-n	6159105-n	65744-n	8411970-n	9098325-n
5164936-n	5694028-n	6159372-n	664219-n	8465536-n	9098385-n
5189859-n	5704090-n	6167650-n	674300-n	8466687-n	9098443-n
5206050-n	5718475-n	6172234-n	676310-n	8467680-n	9098500-n
5208026-n	5723179-n	618701-n	676918-n	8468676-n	9098778-n
5209013-n	5724735-n	6193747-n	680236-v	8488973-n	9098948-n
52120-n	5732498-n	6196959-n	681406-n	8490755-n	9099412-n
5216975-n	573941-v	6202229-n	7140680-n	8510311-n	9100030-n
5226985-n	5801247-n	6208325-n	754445-v	8514657-n	9101949-n
5237554-n	5803553-n	6210538-n	7827346-n	8529162-n	9122240-n
5237673-n	5846273-n	6216277-n	7987988-n	8531278-n	9128585-n
5259394-n	5860270-n	6224310-n	8013168-n	8534455-n	9129053-n
5286250-n	5921693-n	6224610-n	8129878-n	8545507-n	9132257-n
5291001-n	5939406-n	6237248-n	8132772-n	8560710-n	9132646-n
5293372-n	5974971-n	6242317-n	8136553-n	8565392-n	9133000-n
5310330-n	5976189-n	624594-n	8141726-n	8581336-n	9133250-n
5313189-n	5991011-n	6246685-n	8142793-n	8711946-n	9133519-n
5329355-n	599498-v	626963-n	8148137-n	8725143-n	9133814-n
5334108-n	6000154-n	6270873-n	81543-n	8730060-n	9134150-n
533636-v	6002537-n	6271980-n	8155207-n	8730793-n	9134410-n
5343130-n	6025494-n	6279283-n	8158510-n	8749580-n	9134644-n
5356842-n	6034150-n	6279934-n	8167567-n	8812279-n	9134951-n
5373097-n	6035300-n	6285836-n	8189248-n	8813799-n	9135207-n
5382030-n	6036985-n	6305438-n	8196089-n	8814621-n	9135542-n
5382485-n	6044666-n	6328473-n	8198075-n	8823535-n	9143337-n
5389703-n	604640-n	6341437-n	8198813-n	8862426-n	9145453-n
540597-n	6050137-n	6347644-n	8214280-n	8921879-n	9150395-n
5408411-n	6050986-n	6358014-n	8215253-n	89405-n	9151311-n
542186-v	6069879-n	6361949-n	8219992-n	8941666-n	9151638-n
5423101-n	6083734-n	6374685-n	8224065-n	8963030-n	9151839-n
5440525-n	609304-n	6378378-n	8226476-n	9001511-n	9152020-n
5443528-n	6095520-n	639819-n	8228225-n	9015967-n	9152382-n
5447262-n	6096243-n	6402211-n	824457-v	9023474-n	9157756-n
5465152-n	6102108-n	6407477-n	8278010-n	9037745-n	926361-v
549373-v	6107544-n	6416345-n	8285186-n	9059754-n	96919-n
5635834-n	6108762-n	6431241-n	8356857-n	9065837-n	
5637686-n	6110213-n	6465491-n	8357282-n	9071157-n	
5655960-n	6118001-n	6487051-n	8377515-n	9081040-n	
5668351-n	6118110-n	6508712-n	8396120-n	9095910-n	
5677675-n	6118287-n	6517134-n	8402485-n	9098173-n	

ANNEX 2

The Mapping with the ILI Records of the
Greek Local Base Concepts

1001414-v	1420731-a	1540781-v	247637-v	357043-v	4041644-n
1003470-v	1423425-v	1544407-v	2487205-n	3579214-n	407253-n
1004584-v	1425745-v	1546054-v	2525479-n	3583634-n	4100855-n
103715-a	1428576-v	1551796-v	2534080-n	358556-v	4120984-n
1040710-v	1430207-v	1553296-v	254454-v	3596669-n	41249-v
1052939-a	1449587-v	1586482-a	255165-v	3597961-n	41363-v
1078775-a	1452860-v	1586680-a	2587764-n	3598327-n	4160243-n
1090875-v	1460325-v	1586680-a	2750911-n	3601111-n	4165057-n
1097831-a	1463911-v	1587090-a	2780874-n	3601467-n	4167426-n
1114790-a	1476087-v	1587709-a	2783680-n	3603346-n	4170354-n
1118276-a	1477977-v	163002-v	286438-a	3608333-n	4170498-n
1130182-a	1479650-v	1637389-a	2876208-n	3608773-n	4171215-n
1147883-a	1479952-v	164635-v	2879883-n	360915-a	4174259-n
1148520-a	1482647-v	164763-v	2980859-n	3610098-n	4178103-n
1149202-a	1482779-v	165341-n	2985352-n	36135-v	4178103-n
1149696-a	1486074-v	1658316-a	2987329-n	3616419-n	4181970-n
1149696-a	1487133-v	16649-n	2994465-n	3651437-n	4184606-n
114989-v	1488525-v	1668004-a	3011487-n	366743-v	4187090-n
1185327-a	1489087-v	1744470-a	3195327-n	3726516-n	421459-v
1187625-a	1489528-v	1767871-a	3250601-n	3835708-n	4228469-n
1224060-v	1490268-v	1777866-a	3250655-n	3847824-n	4253119-n
1239839-v	1491180-v	187353-n	3294055-n	387963-v	4264207-n
1263373-a	149444-v	187756-a	3315189-n	3881589-n	4267395-n
1270206-v	1496879-v	188280-n	3316147-n	390313-v	4268355-n
1271921-v	1496879-v	193111-n	3317875-n	3924434-n	4280687-n
1279432-v	150028-v	1959564-n	3318005-n	3931689-n	4283507-n
1283848-v	1500983-v	1960302-n	3325156-n	3941911-n	429214-a
1287620-v	150466-v	1969656-n	3383727-n	39513-a	4296147-n
1289561-a	1506711-v	2037290-n	3440379-n	3956560-n	4303912-n
1290120-a	1507317-v	203907-b	3477899-n	3964982-n	4312869-n
1298713-v	1509618-v	204516-v	3481173-n	396871-v	4315314-n
1318022-v	1512597-v	2046390-n	3504545-n	3972716-n	4315752-n
132916-n	1513014-v	205232-v	3505451-n	3974168-n	4316925-n
1330337-v	1513147-v	2067216-n	3507333-n	3975047-n	4318946-n
1335694-v	1514668-v	206795-v	3507563-n	3976021-n	4319110-n
1341700-v	1515999-v	206903-v	3508731-n	3977266-n	4342609-n
1345379-v	1524380-v	211442-v	3532245-n	3982770-n	4343215-n
1353541-v	1526080-v	2118553-n	3532456-n	3991829-n	4356242-n
1367366-v	1526974-v	217788-v	3538531-n	3996292-n	4364234-n
1380660-v	1529280-v	21823-v	3539399-n	3997616-n	4379301-n
1395166-a	1529799-v	223859-v	3542970-n	4003827-n	4390267-n
1399045-a	1534945-v	2336139-n	3550354-n	4015667-n	4401537-n
1410707-v	1539245-v	23468-a	3557702-n	4036647-n	4401827-n
141499-v	1540258-v	2475473-n	3564526-n	4041470-n	4402617-n

4403839-n	4687474-n	531074-v	601152-v	672579-n	8894-n
4410061-n	4694624-n	5328397-n	6012374-n	673157-v	8921879-n
4410665-n	470255-v	5347181-n	6012675-n	683402-n	8926378-n
4420310-n	4711277-n	5361576-n	6028248-n	69344-v	89836-b
443689-n	4801104-n	5362104-n	6052530-n	693545-n	9017479-n
4438184-n	4865-n	5364015-n	6063785-n	702728-a	905383-a
4438645-n	487552-v	5369850-n	6085610-n	734823-n	9069516-n
446255-v	489505-a	5381728-n	6108762-n	7652-v	9091509-n
4462771-n	499319-v	5395580-n	613073-n	783105-v	9109785-n
4468098-n	501846-n	5412973-n	6141579-n	78595-b	9126552-n
4479921-n	506493-n	5413546-n	6147144-n	8040900-n	9156774-n
4481502-n	506968-n	5417712-n	6148720-n	8128800-n	9159813-n
448521-v	5127658-n	5424829-n	6151605-n	8284459-n	9162602-n
450343-v	5128920-n	5440966-n	6182638-n	8303690-n	9168906-n
451911-a	5144333-n	544297-v	6182874-n	831234-a	9170951-n
452198-a	5186239-n	5443528-n	6184803-n	8322570-n	920685-v
4545008-n	5186821-n	544887-v	6196493-n	8358197-n	920808-a
4545008-n	5190016-n	5454683-n	6196658-n	8440129-n	9222-v
4555665-n	5191946-n	545650-v	6233167-n	8442201-n	9298-b
4578382-n	5194144-n	5458547-n	6257868-n	8442893-n	93160-n
4583313-n	520756-n	5462757-n	6270873-n	8443142-n	932787-v
4587456-v	5216975-n	556928-a	6276730-n	8446632-n	935665-v
459649-v	5223629-n	557177-a	6359745-n	8448449-n	939810-v
461407-v	5224086-n	5652384-n	6376277-n	8451514-n	942370-v
4616246-n	5226063-n	5652776-n	6425651-n	8451860-n	9469-n
4616389-n	5228538-n	5691458-n	6431241-n	845211-a	952386-v
4622928-n	5228687-n	572497-n	6435642-n	8483266-n	965134-v
4625526-n	5231227-n	577362-n	6441015-n	8506439-n	965279-v
4625948-n	523813-n	578336-v	645142-a	8522469-n	971314-a
4626995-n	524509-v	582394-v	6469997-n	8527736-n	971980-v
4647264-n	525106-a	5834907-n	651612-n	8533655-n	972859-v
465320-a	525317-n	5847295-n	653349-v	8567787-n	984806-v
4655341-n	525638-v	5847789-n	660616-v	8569687-n	991295-v
4661718-n	5265636-n	5853032-n	660616-v	8723931-n	
4661718-n	5267951-n	59503-v	661466-v	8731351-n	
4662054-n	526831-a	5960281-n	661760-v	8748597-n	
467549-a	5302115-n	598318-a	661760-v	8802527-n	
4677147-n	5302115-n	599498-v	669028-n	887169-v	

ANNEX 3

**The Mapping with the ILI Records of the
Romanian Local Base Concepts**

1001676-n	1076399-v	1146361-v	1187008-v	1241152-v	1286417-v
1005235-v	1076689-v	1146542-n	1187183-v	1241279-v	1286642-v
1005393-v	1079280-v	1147829-n	1187351-n	1244553-v	1287380-v
100728-n	1079457-v	1148203-n	1187369-v	1245645-v	1289869-n
1007311-v	1083800-v	1148295-n	1191983-n	1245959-v	1292994-v
1009946-v	1083907-v	1148411-n	1192082-v	1246321-v	1293271-v
1013001-n	108570-n	1148760-n	119777-n	1246911-n	1297479-v
1013456-v	1087777-n	1150252-v	1198302-n	1247229-v	129855-v
101643-v	1088070-v	1150462-n	1199149-n	1247401-v	1299868-v
1017536-v	1089468-v	1150906-n	1199651-v	1247680-v	1300485-n
1017836-v	1090632-v	1152730-n	1199759-n	1248385-v	1301745-n
1017968-v	1091413-v	115374-n	120233-v	1248685-v	1302268-v
1018552-v	1091650-v	1154482-v	1208145-n	125033-v	1303135-v
1019331-v	1091961-v	1158020-v	1210245-v	125250-n	130344-n
101940-v	1092298-v	1158294-n	1210696-n	1253023-n	1305002-v
1019905-v	1094615-v	1159964-v	1211893-v	1253241-n	130553-v
1021077-v	109482-n	1160360-v	1212316-v	1255863-v	130659-v
1022700-v	1096596-v	116072-v	1212463-v	1257617-n	1307151-v
1023078-v	1102710-v	1160918-v	1212681-v	1259481-v	1309580-v
1025113-v	1104109-v	1161678-n	1212967-v	1259942-v	1310378-v
1026385-v	1104809-v	1164880-v	121729-v	1262609-v	131138-n
1028208-v	1105315-v	1165664-n	1217462-v	1265512-v	1312183-v
1030582-v	1108240-n	1166871-n	121817-n	1266808-v	131260-v
1031857-v	1110956-v	1167130-v	1222100-v	12670-n	1313230-v
1035813-v	1112683-v	116784-v	1224769-n	1269196-n	1314710-v
1037752-v	111309-v	1169102-v	1225267-v	1270206-v	1317526-v
1038137-v	1113474-v	1171473-n	122582-n	127073-n	1317767-v
103989-n	1114892-v	1171782-v	1225893-n	1271641-v	1318506-n
1042002-v	1116739-v	117258-v	1226387-n	127336-v	1319795-v
1049360-v	1118162-n	1173569-n	1228522-n	1273401-v	132499-n
1051034-v	1121367-v	1174613-v	1229172-v	1273798-n	1327022-v
1053250-v	1122222-v	1175179-v	1229507-v	1274444-v	1328192-v
1058948-v	1123207-v	1175685-v	122960-n	1274713-v	132916-n
1065051-v	1124002-v	117617-v	1230614-v	127549-n	1330622-v
1066186-v	1128177-n	1176439-v	1231051-v	1275844-v	1333627-v
1066995-v	1129198-n	1177620-v	1234118-v	127796-v	1334244-v
1068761-v	1130944-n	1178576-v	123459-v	1280304-v	1334375-v
1069562-n	1131455-v	1179510-v	1234817-v	1281163-v	1335228-v
1069583-v	1134317-n	1180777-v	1235263-v	1281307-n	1337515-v
1070127-n	1135204-v	1181332-n	1235465-v	128308-v	1340558-v
1071326-v	113929-n	1183594-n	1238547-n	1283726-n	1340778-v
1071509-v	1142398-v	118386-v	1238940-n	1284945-v	1342486-n
1074492-v	1142627-v	1184911-v	1239066-v	1285323-v	1344489-v
1076169-n	1142997-v	1185996-v	1239839-v	1285870-v	1347552-v

1348936-n	1433448-v	1485683-n	1548407-n	1708198-n	176326-n
1349419-n	1438307-n	1486355-n	155240-v	1708548-n	1771352-n
1349908-v	1439969-v	148709-v	1557838-v	1708796-n	177350-v
1351984-v	1440671-v	1487938-n	1558118-n	1710817-n	1773593-n
1353541-v	1440970-n	148798-n	1558349-v	1711296-n	1776086-n
1357178-v	1441460-v	1489087-v	1558837-v	1711682-n	1777063-n
1359037-v	1441652-n	1489871-v	1559884-v	171199-n	1778647-n
136371-n	144252-v	1490477-n	156254-v	1712031-n	17872-v
1374778-v	1444008-v	149299-n	157168-v	1714213-n	1789010-n
1376736-v	1444624-n	1493951-n	1580568-n	1714378-n	1789960-n
1380670-n	1444789-n	149444-v	158363-n	1715144-n	1791917-n
138377-v	1445065-v	1494652-v	1591752-n	1715442-n	179630-n
1384104-v	1445207-n	1494846-n	159529-n	1715552-n	180443-n
138706-n	144620-n	1495560-v	1597436-n	1719586-n	1808284-n
1387871-v	1447039-n	149663-v	1600840-n	1722052-n	181048-v
1390177-v	144851-n	1500235-v	161244-v	1723225-n	1812539-n
1390888-v	1449210-n	150230-n	162765-n	1723516-n	1828774-n
1390904-n	1449911-n	1510287-v	1631540-n	1723597-n	184146-n
139093-v	1450586-n	1511034-n	1634149-n	1723932-n	185458-n
1392161-v	1450827-n	1511407-v	1634453-n	1727593-n	185745-n
1393095-n	145094-v	1512294-v	1634966-n	1727824-n	185918-v
1394862-n	1452860-v	1512597-v	1639508-n	1728166-n	187475-v
1397263-n	1454000-n	1513205-n	1642313-n	1728250-n	187665-v
1399163-v	1454027-v	1513839-v	1643900-n	1730992-n	188944-v
1401595-n	1454684-v	1516804-n	1644043-n	173189-n	190902-n
1405259-v	1455501-v	1517764-v	164443-v	173749-n	1913773-n
1405506-n	1456555-n	1519093-v	1645946-n	174044-n	1921111-n
1405700-v	1458079-n	1519515-v	1649568-n	17405-v	192206-v
1406039-n	1458826-v	1523463-v	1650277-n	1740694-n	193048-v
1406449-v	1460065-v	1524380-v	165341-n	174148-n	193433-v
1407014-v	1460464-n	1525537-v	165676-n	1743429-n	193706-n
1407339-v	1460621-v	152617-n	1656922-n	174377-n	195141-v
1407458-v	1461823-v	1526442-n	1658023-n	1743984-n	197055-v
1407757-n	1462146-n	1527215-v	1661394-n	1744167-n	1972948-n
1409227-v	1462951-v	1528819-v	1664957-n	1744363-n	1973485-n
1410973-v	1463461-n	1531258-n	167144-n	174566-n	1979709-n
1411101-v	1464010-n	1532846-n	1673276-n	1747496-n	1988721-n
1414319-v	1464671-n	1533042-v	1679067-n	1747672-n	1993793-n
1418102-v	1465357-n	1533169-n	168046-v	1747959-n	1995315-n
1419727-n	1466684-n	1533329-n	1682267-n	174812-n	1997104-n
1422855-n	146714-n	1533613-n	1687697-n	1749350-n	200306-v
1423425-v	1467593-n	1533771-n	1693534-n	1751699-n	2004443-n
1425745-v	146761-v	1536387-v	1693929-n	1752848-n	2006234-n
1426895-n	1469716-v	153682-v	1694198-n	175531-v	200732-n
1427604-v	1473323-n	1537292-v	1697804-n	1756915-n	201487-n
1427866-v	1475609-v	1537881-n	1702533-n	1759335-n	201978-n
1428366-n	1481898-v	1542889-v	170292-n	1759727-n	2020170-n
1429979-n	1485049-n	1544683-n	1704833-n	176068-n	202081-n
1431414-v	1485432-n	1546054-v	1706412-n	1761304-n	2025685-n
1431735-v	1485573-n	154762-n	1707111-n	1762895-n	2031346-n

2032929-n	211196-n	2177090-n	2241017-n	233489-n	24224-v
2041426-n	2112806-n	2177468-n	224359-v	2336139-n	24230-n
2044593-n	211442-v	2177604-n	2243908-n	2339954-n	2424211-n
2054514-n	2114491-n	2180055-n	2245999-n	2340632-n	2424651-n
2055456-n	2115686-n	218049-n	2246706-n	2341580-n	2427428-n
2057597-n	2117935-n	2182064-n	225005-v	2351814-n	2427682-n
2059759-n	211830-n	2183277-n	2254515-n	2352880-n	2428671-n
2059905-n	2118724-n	2183598-n	225556-v	2356124-n	243033-n
2060300-n	2120647-n	2184349-n	225726-v	2357683-n	2431045-n
2062946-n	2121280-n	2185896-n	2259271-n	235769-n	243461-n
2063903-n	2121900-n	2189391-n	225986-v	2358784-n	2435982-n
2064690-n	2123201-n	2190334-n	2259935-n	2359176-n	2436789-n
2065021-n	2124914-n	2193517-n	2260921-n	2360659-n	2437879-n
2066934-n	2125353-n	2196657-n	2263348-n	23635-v	243844-n
2067216-n	212771-n	2197739-n	2266303-n	2363899-n	2438829-n
2070064-n	2129803-n	2200146-n	2267143-n	2364967-n	2443461-n
2070862-n	2130649-n	2201767-n	2268937-n	2365365-n	2444316-n
2071094-n	2130771-n	2204439-n	2269935-n	2365791-n	2444554-n
207186-v	2131396-n	2204561-n	2270457-n	2366602-n	2449797-n
2072997-n	2137346-n	2205262-n	2271650-n	2367068-n	2449982-n
2077770-n	213909-v	220537-n	22768-n	2369223-n	2450349-n
2079790-n	213960-n	2206142-n	2277498-n	237118-v	2457997-n
2080512-n	2139869-n	2207621-n	2278360-n	2373807-n	2458962-n
2081942-n	2139987-n	220989-v	2278511-n	23747-n	246372-v
2082611-n	2141955-n	2212993-n	2281807-n	2375875-n	2464273-n
2083227-n	2143812-n	2213279-n	228189-v	2380820-n	2470756-n
2083710-n	2144184-n	2213673-n	2284057-n	2381680-n	247502-n
208450-n	2147156-n	221544-n	2284838-n	2382393-n	2476575-n
2086404-n	214958-n	2215660-n	2285517-n	2382915-n	2478012-n
2086545-n	2150166-n	2219428-n	2292374-n	238494-n	247885-v
2091585-n	2150918-n	2222238-n	2293034-n	2390490-n	247899-n
2091976-n	2151273-n	2222751-n	2296488-n	2391765-n	2481951-n
209240-n	2152092-n	2223409-n	2298932-n	2393003-n	248253-n
2092531-n	2154112-n	222600-v	2304267-n	2395133-n	2483886-n
209363-n	2155774-n	2226334-n	2305094-n	2395850-n	2484022-n
209484-n	21571-n	222789-n	2305378-n	2396991-n	248414-v
2095203-n	215793-n	22283-v	2309325-n	240099-n	24860-n
2096883-n	215796-v	2229220-n	2309444-n	2403570-n	2486242-n
2098801-n	2158877-n	2230929-n	2312538-n	2403-n	2487205-n
2099324-n	2164706-n	2232001-n	2316413-n	2406167-n	248968-v
2100281-n	2165487-n	2232669-n	2320184-n	2406479-n	2490300-n
2100473-n	2165879-n	2232924-n	232106-v	2409710-n	2490832-n
2101091-n	2168182-n	2233055-n	2322559-n	2411394-n	2492231-n
2102382-n	21712-n	2233372-n	2323518-n	2412644-n	2493047-n
2103632-n	2172888-n	2235801-n	2326166-n	241323-v	2495980-n
210397-n	217306-v	2239086-n	2327124-n	2414980-n	2496478-n
2104302-n	217448-n	2239212-n	2327873-n	2415776-n	2497110-n
2108874-n	217551-n	2240194-n	2328741-n	2416604-n	249759-v
2109932-n	2175548-n	2240285-n	2328940-n	2416703-n	2498179-n
2111907-n	2176212-n	224079-v	232911-n	2422106-n	2501836-n

250758-v	2592240-n	266485-v	2734590-n	282949-v	2885605-n
2509315-n	2593314-n	2665378-n	2735736-n	283058-v	288649-v
2512737-n	2593590-n	2666718-n	2745881-n	2831270-n	288782-n
2513874-n	2593743-n	2667108-n	2746425-n	2835057-n	2888389-n
2514908-n	2595888-n	2667929-n	2747011-n	2835354-n	2891404-n
251509-v	2597685-n	2668009-n	2747860-n	2836043-n	2894694-n
2516291-n	2598241-n	2669230-n	2753312-n	2836174-n	2896252-n
2517320-n	2603195-n	2669829-n	2754436-n	2837105-n	2900763-n
2518196-n	2603746-n	2670306-n	2758055-n	2839539-n	2904104-n
2519008-n	260427-n	2671255-n	2763963-n	2839720-n	2904519-n
2519219-n	2604444-n	2671840-n	2765773-n	2839860-n	290527-v
2520308-n	2604665-n	2672720-n	2768995-n	2839963-n	2915728-n
2522867-n	2605171-n	2673028-n	2771400-n	2843103-n	2917795-n
2524845-n	2605404-n	2673273-n	2771671-n	2843451-n	2918137-n
2527209-n	2606018-n	267342-v	2771951-n	2843704-n	2919373-n
2528105-n	2606619-n	2673526-n	2773154-n	2845403-n	292005-n
2529439-n	2607538-n	2675810-n	2778275-n	2845609-n	2920249-n
2531095-n	2608565-n	26769-n	2780874-n	2845980-n	292215-n
2533234-n	260897-v	267845-v	2781355-n	2847579-n	2923286-n
2534080-n	261291-n	2679223-n	278329-n	2850631-n	2923688-n
2534659-n	2613493-n	2679798-n	2785916-n	2851936-n	2924324-n
2539193-n	2614701-n	2679931-n	278623-v	2853481-n	2926429-n
2542238-n	2615019-n	2683081-n	2787118-n	2854584-n	2926751-n
2546158-n	2615862-n	2683333-n	2787481-n	2854670-n	2927457-n
2549621-n	2618041-n	268395-v	2788070-n	2855207-n	2928219-n
2550043-n	2618581-n	2684396-n	2788897-n	2856203-n	2930419-n
255165-v	2618810-n	2685207-n	2789912-n	2858335-n	2930547-n
25535-n	2619896-n	268551-v	2790177-n	28591-n	293254-n
2557285-n	2621207-n	268586-n	2791599-n	2859344-n	2933745-n
2558700-n	2624239-n	2686574-n	2792897-n	2859982-n	2940609-n
2562976-n	2625811-n	2688613-n	279473-n	2860810-n	2941899-n
2564443-n	2627868-n	2696162-n	2795238-n	2861003-n	2943867-n
2564907-n	2628978-n	2699053-n	2795987-n	286235-n	2945842-n
2567890-n	2629123-n	2699295-n	2797285-n	2862563-n	295295-n
2570663-n	2630053-n	270150-n	279867-v	286425-n	29539-v
2570810-n	2631448-n	2703958-n	2799070-n	2865112-n	2957056-n
2572326-n	263159-n	2707376-n	2800835-n	2869191-n	2957923-n
2572486-n	2635826-n	2709713-n	2801113-n	2869676-n	2958075-n
2574034-n	2636379-n	271085-n	2803882-n	2870230-n	295927-n
2576603-n	2638123-n	2711834-n	2805569-n	2872093-n	2959808-n
2577540-n	26427-n	2712543-n	2809105-n	2873159-n	2961343-n
2577887-n	26466-v	2715090-n	2809436-n	2873638-n	29663-n
2580593-n	264907-v	2716456-n	2811034-n	2874709-n	2969057-n
2581389-n	2651193-n	2718537-n	2816667-n	2876985-n	2972923-n
2582449-n	2653328-n	2718980-n	2818521-n	2877803-n	2974364-n
2583196-n	2653622-n	2722850-n	2821697-n	2878080-n	2977730-n
2584336-n	2654948-n	272596-v	282220-v	2880147-n	2978722-n
2587169-n	265577-v	2727363-n	2823079-n	2880301-n	2979488-n
2587764-n	2656937-n	2729809-n	2828195-n	2880841-n	29823-v
2592107-n	2664051-n	2732981-n	2828996-n	2884344-n	298271-n

2982770-n	3070121-n	314808-n	3217494-n	3296716-n	3400073-n
298377-n	3071953-n	315326-n	321907-v	329855-v	3400497-n
2984910-n	3072495-n	3154453-n	3219355-n	3303357-n	3400818-n
29851-n	3073853-n	3155510-n	322126-n	330469-n	3401147-n
2986293-n	3074822-n	3156042-n	3222548-n	3314446-n	3404100-n
2986876-n	3076474-n	3158043-n	3222712-n	331715-n	3405205-n
2989213-n	3077640-n	3158410-n	3225016-n	3318005-n	3405357-n
299379-n	3080793-n	3159413-n	3225942-n	3318562-n	3407299-n
2994588-n	3082601-n	3162815-n	3226066-n	3318883-n	3408247-n
2996586-n	3083733-n	3165262-n	3227659-n	3319199-n	3408408-n
2999724-n	3083828-n	3165568-n	3228373-n	3320046-n	3409728-n
2999926-n	3084835-n	3166814-n	3228768-n	3321697-n	3412268-n
3004134-n	3085255-n	3167601-n	3231237-n	3321973-n	3413987-n
3005028-n	3086767-n	3168393-n	3232930-n	3325363-n	34158-v
3006068-n	3088129-n	316902-n	323296-n	3327620-n	3416503-n
3006146-n	3089957-n	3169224-n	3233251-n	332807-v	3416943-n
3007570-n	3091472-n	3169798-n	3234514-n	3329070-n	3419516-n
3008507-n	3095067-n	3170452-n	3236923-n	3329885-n	3420725-n
30113-v	3098739-n	3171470-n	3237396-n	3331719-n	3420947-n
3014390-n	3099285-n	3174688-n	3240099-n	3332393-n	3421321-n
3014976-n	3101331-n	3175628-n	3240390-n	3332760-n	3421675-n
3019732-n	3104114-n	3176469-n	3240507-n	3334469-n	3423614-n
3023448-n	3104725-n	3177215-n	3246596-n	3334588-n	3423930-n
3025640-n	3105400-n	3179049-n	3249804-n	33345-n	3426069-n
3027200-n	3105545-n	3182785-n	3250456-n	334063-n	3427544-n
3027481-n	3106508-n	3184652-n	3251540-n	3340895-n	3428248-n
3027703-n	3112345-n	3187167-n	325571-n	3341303-n	3429209-n
3029878-n	3114152-n	318719-n	3256374-n	3341492-n	3429451-n
3032295-n	311577-v	319015-n	3259053-n	3342479-n	3429697-n
3034395-n	3118186-n	3192201-n	3261206-n	334268-n	3432091-n
3035100-n	3118637-n	3195327-n	3262705-n	334429-n	3433798-n
3035260-n	3120265-n	319545-n	3266321-n	3348871-n	3434814-n
3036027-n	3121046-n	3195924-n	3269583-n	3349269-n	3434984-n
3037871-n	3121344-n	3196597-n	32702-v	3352847-n	3437029-n
3038493-n	3127191-n	319891-n	3270681-n	33585-n	3439363-n
304604-v	3127792-n	3201325-n	3271564-n	3362839-n	344875-v
3047021-n	3128054-n	32015-n	3271772-n	3367354-n	3455495-n
3047284-n	3134267-n	3202024-n	3272477-n	337020-v	3457558-n
3048176-n	3134625-n	3202584-n	327355-n	337262-v	3462089-n
3050445-n	3135429-n	3202950-n	3280067-n	3377486-n	3462739-n
305573-v	3137919-n	3204861-n	3280423-n	3379236-n	3464390-n
3059291-n	3139306-n	3205430-n	3280552-n	3383002-n	3466696-n
3063855-n	3139716-n	3205864-n	3281184-n	3385774-n	3468161-n
3064506-n	3140188-n	3205992-n	3281987-n	3388946-n	347169-v
3065242-n	3140664-n	320861-n	3284539-n	33941-n	3473928-n
3065440-n	3140969-n	321298-n	3285323-n	3395054-n	3476898-n
3065531-n	3141133-n	321394-n	3288771-n	3395956-n	3477661-n
3065694-n	3142375-n	3214024-n	3291079-n	3396910-n	3478507-n
3066190-n	3143814-n	3215590-n	3292393-n	3399661-n	3481374-n
30694-v	3146170-n	3216525-n	3293711-n	3399799-n	3483175-n

3491532-n	3570575-n	3656734-n	3780498-n	3831283-n	3878843-n
349261-v	3571471-n	3657000-n	3783555-n	3831914-n	387963-v
3494418-n	3575540-n	3659531-n	3784686-n	3833055-n	3883171-n
3497241-n	3576765-n	3660543-n	3785517-n	3835254-n	3883399-n
3500048-n	3577228-n	3660783-n	3786700-n	3835708-n	3883831-n
3503480-n	357850-v	3661177-n	3787262-n	383610-v	3884386-n
350396-v	3579214-n	3661879-n	3787842-n	3836144-n	3885302-n
3504202-n	3580189-n	366244-n	3788156-n	3836828-n	3887907-n
3504545-n	358181-n	3663037-n	3789533-n	3836963-n	3893930-n
35058-v	3583634-n	3663151-n	3790251-n	3837033-n	3894905-n
3508489-n	3597284-n	3663434-n	3791554-n	3839570-n	38965-v
3512095-n	3597961-n	3666062-n	3793112-n	3840285-n	3899109-n
3513985-n	359887-n	3667086-n	3793289-n	3842054-n	3903314-n
3514161-n	3599305-n	366743-v	3793655-n	3842295-n	390535-v
3515945-n	360295-n	3667710-n	3795347-n	3843343-n	3905869-n
351672-v	3604291-n	3669600-n	3795520-n	3844234-n	3907007-n
3522730-n	360479-v	3670172-n	3796748-n	3844391-n	3907721-n
352735-v	3607887-n	3670862-n	3796836-n	3844642-n	3913628-n
3530366-n	3608473-n	367227-v	3800480-n	3845527-n	3916383-n
353072-v	3608773-n	3672924-n	3801247-n	3846371-n	3917554-n
3532245-n	360896-v	367953-v	3801351-n	3846583-n	3917973-n
3532456-n	3609123-n	368355-n	3802926-n	3846713-n	3918596-n
3532936-n	3611287-n	369298-v	3805829-n	3847824-n	3921154-n
3533283-n	3612559-n	3718859-n	3806006-n	384834-v	3926420-n
353422-v	3616419-n	3719048-n	3806901-n	3850272-n	3926899-n
3537635-n	3623278-n	3720051-n	3807640-n	38510-v	3928346-n
3538380-n	362762-n	3720761-n	3808169-n	3851840-n	3929489-n
3542970-n	3627667-n	3724668-n	3808318-n	3852455-n	3929937-n
3548710-n	3630601-n	3726592-n	3809982-n	3858374-n	3930339-n
3549400-n	3631967-n	3727220-n	3810456-n	3858507-n	3931483-n
3549560-n	3633149-n	3727475-n	3811185-n	3859305-n	3931689-n
3551128-n	3633821-n	3728026-n	3811918-n	3860477-n	3932468-n
3551577-n	3636305-n	372838-v	3812536-n	3861280-n	3933352-n
3552840-n	3637631-n	3729095-n	3812668-n	3861723-n	3938080-n
355285-v	3639177-n	3733015-n	3813205-n	3861910-n	3938901-n
3553118-n	3639589-n	373304-n	3813613-n	3864476-n	3939400-n
3554407-n	3640081-n	373644-n	3813880-n	386671-v	3943691-n
3554603-n	3641380-n	374167-n	3814451-n	3867185-n	3946824-n
3555222-n	364156-v	3742058-n	3814933-n	3867426-n	3947057-n
3556966-n	3642655-n	3744206-n	3815876-n	3867545-n	3947460-n
355753-v	3643327-n	3745082-n	38182-v	3867951-n	3948114-n
3559203-n	3643569-n	374884-n	3819463-n	387100-n	3950476-n
356058-v	3644733-n	375289-v	3820211-n	3871589-n	3950859-n
3562490-n	3650089-n	3754016-n	3820987-n	3872533-n	3951944-n
3562784-n	36514-n	3755778-n	3821605-n	3873636-n	3952443-n
3563097-n	3653348-n	3758802-n	3821725-n	3874171-n	3953400-n
356375-v	3653843-n	376446-n	3824655-n	3875668-n	3953695-n
3565899-n	3654120-n	3774930-n	3825239-n	3877524-n	3954634-n
3568395-n	3654295-n	377820-v	3827126-n	3877715-n	3956667-n
357043-v	3655134-n	3780201-n	383005-v	3877957-n	3956867-n

3957782-n	4046788-n	4167794-n	4232853-n	4310732-n	4393528-n
3957953-n	4054637-n	4168009-n	423968-n	431165-v	4393733-n
39609-n	4062005-n	4168442-n	424345-n	4311868-n	439467-v
3962112-n	40642-n	4168594-n	4244824-n	4314474-n	4394836-n
3962968-n	4065712-n	4168723-n	4246205-n	4314796-n	4397137-n
3963400-n	4065923-n	417134-n	424703-v	431926-v	4398530-n
3964982-n	4069413-n	4171628-n	4247497-n	4319622-n	4398999-n
3969667-n	4069639-n	4173206-n	4250311-n	4319926-n	4400455-n
3972716-n	406988-n	4175175-n	4250461-n	4325098-n	4400658-n
3974728-n	407285-v	4176793-n	4250775-n	4327108-n	4401067-n
3977037-n	4077784-n	417813-v	4251687-n	4328912-n	4401132-n
3982674-n	408078-v	4180433-n	4252189-n	4329537-n	4403527-n
3984286-n	4081235-n	418176-n	425373-n	4329803-n	4405545-n
3985000-n	4082667-n	4181970-n	4254459-n	4332935-n	4405897-n
3985278-n	4086163-n	4182537-n	425515-n	4333935-n	4406120-n
3986758-n	4093569-n	4184147-n	4255972-n	4334492-n	4408336-n
3987551-n	4094666-n	4184720-n	4256418-n	433468-n	4409743-n
3989340-n	4096553-n	4185183-n	425703-v	4335289-n	4410665-n
3989414-n	4097007-n	4187933-n	4258772-n	4336322-n	4411689-n
3989706-n	409700-v	418859-n	4261836-n	4338930-n	441414-v
3990465-n	4098195-n	4190487-n	4262100-n	4339195-n	4416618-n
3990919-n	4103218-n	4190664-n	426317-n	433992-v	4417785-n
3993616-n	4103471-n	4191431-n	4264207-n	4342072-n	4419250-n
3993736-n	4104032-n	419558-n	426559-v	4342609-n	4420510-n
3994996-n	411074-n	419793-v	4265758-n	434296-n	4422065-n
3995589-n	4112939-n	4198096-n	426637-n	4343315-n	4423437-n
3995834-n	4116585-n	4198190-n	4266968-n	4343424-n	4424808-n
3995947-n	4118980-n	4198484-n	4267395-n	434811-v	4426739-n
3998823-n	4119058-n	4200149-n	4269269-n	4351007-n	4428201-n
3999331-n	4120274-n	4200265-n	4270202-n	435122-v	442867-v
4002921-n	4120984-n	4201226-n	427375-n	4357860-n	4429276-n
4007809-n	4122679-n	4202905-n	4274339-n	4358508-n	4429733-n
4009273-n	4124011-n	4208295-n	4277409-n	4358921-n	4431158-n
4009451-n	413121-n	4214260-n	428057-v	4359848-n	443123-v
401008-v	41363-v	421507-n	4280687-n	4360893-n	444272-n
4012807-n	4141902-n	4216136-n	4281736-n	4365139-n	444911-v
4016005-n	4143994-n	421625-v	428630-n	4365682-n	444930-n
4019053-n	4144121-n	4219073-n	4286720-n	4365877-n	4449506-n
4022146-n	4145459-n	4220543-n	4287584-n	436702-n	4449623-n
4029219-n	4145615-n	4221275-n	428859-n	4372400-n	445485-v
4031475-n	4147914-n	4221827-n	4290468-n	4374986-n	4457994-n
4031649-n	4148171-n	4223324-n	4291395-n	4376680-n	4459350-n
4033031-n	4153019-n	422340-n	429444-v	4384968-n	4459954-n
4036803-n	4156875-n	4223483-n	4295440-n	4385644-n	4460364-n
4037991-n	41587-v	4223948-n	4295544-n	438593-n	4460700-n
4038464-n	4161986-n	4225610-n	429831-v	4386976-n	4460865-n
4040323-n	4163267-n	422732-n	4298462-n	4388587-n	4461334-n
40410-v	4165210-n	4227476-n	4303912-n	4390106-n	4461580-n
4042919-n	4166743-n	4230145-n	4308997-n	4391060-n	4462209-n
40430-n	416735-n	4230705-n	4310130-n	4392520-n	4462771-n

4463048-n	4587954-n	4644176-n	4706736-n	478005-v	4839368-n
4465710-n	4588230-n	4645722-n	4707379-n	4780657-n	4840283-n
4469810-n	458885-v	4647123-n	470795-n	4782998-n	4840465-n
447050-n	459649-v	4647264-n	4708689-n	4783238-n	4840620-n
4471153-n	4598456-n	4647670-n	4709394-n	4784407-n	4841655-n
4476401-n	4600277-n	4649633-n	4711277-n	4785510-n	4841883-n
4477055-n	460267-v	4652047-n	4711934-n	4785678-n	4841952-n
4478572-n	460390-v	4652305-n	4712706-n	4788809-n	4842562-n
4479560-n	4605593-n	4653805-n	471319-n	4790251-n	4846187-n
4480244-n	460648-n	4654475-n	4713731-n	4790785-n	4846826-n
4481502-n	4608989-n	4655341-n	4714117-n	4790942-n	4848381-n
4481752-n	4610115-n	4655513-n	471508-n	4791191-n	4850011-n
4482197-n	4612376-n	4656634-n	4716538-n	4792145-n	4861201-n
448333-v	4613309-n	4656742-n	4717232-n	4797623-n	4861658-n
4484586-n	4613856-n	4657471-n	4719596-n	4800047-n	486325-n
4487574-n	4614167-n	465752-n	4720355-n	4801583-n	4864438-n
4488085-n	461529-v	4657833-n	472103-v	4803465-n	4865025-n
449577-n	4615396-n	4658093-n	4724593-n	4803915-n	4865574-n
450473-v	4616654-n	4659463-n	4725467-n	48043-v	4865667-n
451648-v	4617421-n	4659623-n	4725823-n	480440-v	486711-n
453452-n	4617850-n	4660719-n	4727646-n	480711-n	4867807-n
4543410-n	4619656-n	466249-n	4728988-n	4807941-n	4869198-n
4544540-n	4622698-n	466513-v	473144-n	4808377-n	4871232-n
4545176-n	4622928-n	4666508-n	4735181-n	4810131-n	4875498-n
4547538-n	4623634-n	4669586-n	4736094-n	4810560-n	487702-n
4547885-n	46259-n	4669828-n	4737713-n	4811187-n	4881587-n
4548019-n	4626196-n	4671795-n	4740108-n	4811714-n	4884394-n
4548304-n	4627816-n	4672684-n	4741205-n	4812078-n	4892009-n
4548661-n	4628795-n	4677497-n	4741436-n	481222-v	489644-v
4550671-n	4629449-n	4679569-n	474160-v	4813649-n	4897272-n
4551658-n	4630093-n	4680880-n	4744793-n	4816392-n	4897342-n
455282-v	4630571-n	468387-v	4750235-n	4818197-n	489752-v
455300-n	4630784-n	4692559-n	4753300-n	4818515-n	4901128-n
4554311-n	463111-v	4693398-n	4755219-n	4818851-n	4901576-n
4555012-n	463128-n	4693703-n	4756832-n	4819814-n	4904014-n
4555665-n	4631366-n	4693815-n	4757021-n	482034-v	4905359-n
4556167-n	4632056-n	4694624-n	4758501-n	4820911-n	4905901-n
4556291-n	4636753-n	4695324-n	475953-v	4820985-n	4907397-n
4556450-n	46374-v	4695456-n	4763934-n	4821235-n	4907493-n
4557074-n	4637867-n	4695778-n	4767849-n	4824185-n	490887-n
4558153-n	4637956-n	4696161-n	4769536-n	4825162-n	4909617-n
457192-v	4639149-n	4698348-n	4769826-n	4825953-n	4910132-n
4576230-n	463954-n	4698849-n	4769909-n	4828633-n	4912301-n
4578885-n	4640638-n	4699806-n	4770027-n	4829170-n	491354-n
457891-v	464213-v	4702593-n	4770326-n	482918-v	4913800-n
4579192-n	4642437-n	4703529-n	4770540-n	4829519-n	4914658-n
4584030-n	4643347-n	4704110-n	4774188-n	4829723-n	4915488-n
4586423-n	4643660-n	4704301-n	4774922-n	4836454-n	491582-n
4586812-n	464391-n	4705102-n	4776808-n	483686-n	4917854-n
4586949-n	4643965-n	4706400-n	4779273-n	4838303-n	491947-v

4921881-n	501668-v	5093866-n	5206625-n	5286250-n	537763-n
4922701-n	5021590-n	5103699-n	5207900-n	5288049-n	5378924-n
4924498-n	5022582-n	5104285-n	5210018-n	5291895-n	5382796-n
492665-v	50233-n	5104445-n	5213534-n	5296961-n	5382976-n
4930785-n	5023451-n	5104613-n	5215769-n	5304954-n	538726-v
4931553-n	5025818-n	5106900-n	5216370-n	5309023-n	5388404-n
4932523-n	5026625-n	5109640-n	52163-v	531074-v	5389703-n
493643-n	5027116-n	5111124-n	5217496-n	5313943-n	53958-n
4938497-n	5028238-n	5113990-n	5217739-n	5316895-n	539747-v
4941537-n	5029683-n	5115837-n	5223629-n	5317441-n	5398288-n
4942348-n	5030463-n	511687-n	5224086-n	5319315-n	5401735-n
494234-v	5032733-n	512068-n	5224301-n	5319619-n	5403311-n
49443-n	50331-n	5122568-n	5225098-n	5319732-n	5405674-n
4944765-n	5033882-n	5122676-n	5225438-n	532064-n	540640-v
4948009-n	5037104-n	5124639-n	5225681-n	532232-v	54079-n
4950309-n	5043098-n	5124886-n	5226063-n	5322749-n	5409719-n
495293-v	5044553-n	5128200-n	5226551-n	532517-n	5413652-n
495461-n	504484-v	5129249-n	5226985-n	53289-n	5416260-n
4957222-n	5045640-n	513012-n	5228538-n	5329700-n	5417243-n
49591-n	504759-v	5130539-n	5230156-n	5329947-n	5424452-n
496150-v	5047924-n	5134978-n	5232019-n	5331446-n	5424616-n
4963301-n	5048075-n	513550-v	5233036-n	5331597-n	5424829-n
4966801-n	504861-v	5135753-n	5233122-n	5334227-n	543116-v
4969768-n	5048903-n	5139522-n	5234938-n	5338988-n	5435339-n
497175-n	5049687-n	5139962-n	5236897-n	5339386-n	543775-n
4972522-n	5049949-n	5143531-n	5237673-n	5340380-n	5438865-n
4972941-n	5050053-n	514445-v	523813-n	5340905-n	54393-n
4974066-n	505281-v	5144969-n	524088-n	534427-n	5440525-n
4974228-n	5052883-n	514575-v	5244277-n	53442-n	5440664-n
4974555-n	5053505-n	5147798-n	5244424-n	5347181-n	544297-v
497541-n	505531-v	5149261-n	5247074-n	5349035-n	5443304-n
4976071-n	5056236-n	5151383-n	52473-v	5349538-n	5443528-n
4977488-n	5066548-n	515168-v	5249044-n	5349914-n	5445839-n
4979083-n	5068318-n	5158405-n	5250835-n	5352450-n	5446170-n
4983864-n	5069444-n	5164705-n	5252158-n	5354189-n	544681-n
498414-n	5069882-n	517028-n	5252694-n	5355698-n	544887-v
4986666-n	507179-v	517688-v	5252845-n	5355802-n	5453104-n
499319-v	507320-v	5179966-n	5253117-n	5356568-n	5454683-n
4997880-n	5076677-n	5180059-n	5254847-n	5357990-n	5457541-n
4999301-n	5078694-n	5180469-n	5256096-n	53587-v	5458071-n
5000943-n	5083066-n	5180586-n	525638-v	5361576-n	5461152-n
5003969-n	508517-v	518467-v	525653-n	536218-v	5463308-n
5007938-n	508658-n	5186821-n	5256651-n	5362551-n	5465271-n
5010994-n	508703-v	5187730-n	5266079-n	5362921-n	546861-v
5011422-n	5089006-n	5188888-n	5269599-n	536292-n	5468921-n
5013690-n	5090435-n	5189413-n	5269792-n	5366179-n	5470365-n
5014077-n	50905-v	5196097-n	5269891-n	536799-v	5471325-n
5014324-n	5091478-n	5202351-n	527064-v	5369309-n	5474318-n
5014410-n	509219-n	520413-n	5280097-n	5373097-n	5475975-n
5015873-n	5092498-n	5206236-n	52841-n	5375259-n	547761-v

548636-v	5691864-n	5816005-n	5922775-n	5994520-n	6041392-n
5487924-n	5692164-n	582132-n	5923661-n	5994795-n	6041929-n
549696-n	5693237-n	583861-n	5924080-n	599498-v	6042621-n
55228-v	5693565-n	584015-n	592494-n	5995693-n	6043489-n
553448-v	5694028-n	5840297-n	592611-n	5999166-n	604351-n
55409-n	5697724-n	5841500-n	592620-v	6000011-n	6044297-n
556298-n	5698845-n	5841864-n	5926629-n	6000154-n	6045939-n
556764-v	5699132-n	5843116-n	592718-v	600032-v	604640-n
5576-v	5699640-n	5844004-n	5927815-n	600116-n	6048210-n
558534-v	5700218-n	5845201-n	5928821-n	6001337-n	6048744-n
558987-n	5701302-n	5847295-n	5931218-n	600158-v	6049773-n
559482-v	5704294-n	5849616-n	593421-n	6001859-n	6052530-n
560303-n	5704518-n	5851017-n	5935858-n	6002067-n	6059936-n
560369-v	5704603-n	5851648-n	593600-v	600366-n	6063785-n
562618-n	5704753-n	5853430-n	5936334-n	6003758-n	6064310-n
56340-n	571857-n	5854560-n	5937223-n	6005009-n	6064720-n
563648-v	5721963-n	5856469-n	5937496-n	6005989-n	6067333-n
5637501-n	5722752-n	585819-n	5937752-n	6006416-n	6069110-n
5638792-n	5724735-n	5860666-n	5941303-n	6008783-n	6069331-n
5639641-n	572704-v	586278-v	5943515-n	6011353-n	6069507-n
5640284-n	5727561-n	5864075-n	5944749-n	601152-v	6070566-n
5640675-n	573040-v	5867766-n	5946753-n	6011734-n	6071277-n
5645431-n	5732210-n	5868685-n	5947547-n	6012374-n	607280-n
564609-n	5732498-n	5869065-n	594846-v	6013928-n	6073016-n
5647874-n	5733457-n	5869278-n	594940-n	601715-n	6074291-n
5648151-n	573429-n	5870389-n	5950419-n	6018588-n	6076803-n
5650800-n	5734433-n	5870916-n	5953527-n	6018805-n	6077404-n
5652519-n	574434-n	587229-v	595498-v	6019926-n	6077604-n
5652776-n	575069-n	587507-v	5960281-n	6020174-n	6081853-n
565774-v	575843-v	588517-n	5964533-n	6020901-n	6082447-n
5657814-n	576052-v	589088-v	5965100-n	6022052-n	6083929-n
5659518-n	576153-n	58908-n	5969316-n	6024457-n	6084422-n
5660511-n	576347-v	5899293-n	5970087-n	6024918-n	6085610-n
5662016-n	5765020-n	59050-n	5973677-n	6025494-n	6087224-n
5662281-n	5766965-n	590667-n	5975298-n	6025623-n	6090077-n
5662691-n	576711-n	590722-v	5975560-n	6026869-n	6094223-n
5662984-n	5768267-n	590957-v	5975785-n	6027622-n	6095520-n
5663181-n	576894-n	5912913-n	5976266-n	6027791-n	6096736-n
566775-n	5769268-n	5915104-n	5976471-n	6028248-n	6098486-n
5674627-n	5772562-n	5915878-n	5978560-n	6029143-n	6100072-n
5677961-n	577882-v	5917650-n	5979292-n	6029713-n	6100842-n
5679236-n	578336-v	5917939-n	5980128-n	6029783-n	6101788-n
5680845-n	579100-v	591794-v	5980708-n	6032394-n	6105539-n
5681509-n	579572-v	5919271-n	598226-v	6032739-n	6105834-n
568444-n	5802055-n	5921040-n	5983371-n	6033064-n	6107962-n
5685633-n	5802212-n	5921424-n	5989012-n	6035300-n	6108210-n
5686311-n	5806966-n	5921693-n	5990778-n	6035689-n	6108308-n
5687002-n	5807900-n	5921967-n	5991284-n	6036128-n	6108762-n
568971-n	5808202-n	5922176-n	599150-v	6036985-n	6109546-n
5691718-n	581017-v	5922580-n	5992182-n	6040017-n	6109671-n

6112405-n	6157357-n	6221818-n	628338-n	6367522-n	6432816-n
6112479-n	6159044-n	6224310-n	6285836-n	6367627-n	6437561-n
6113104-n	6159105-n	6224809-n	6288102-n	6370716-n	6439930-n
6114893-n	6159372-n	6224971-n	6288542-n	6373159-n	6441082-n
6116651-n	61613-n	62269-n	6290135-n	6373957-n	644207-n
6116796-n	616244-n	6227301-n	6290765-n	6379956-n	644990-v
6117489-n	6166658-n	622839-n	629096-n	6380267-n	645189-n
6118001-n	616864-v	6228872-n	6291550-n	6380372-n	6453139-n
6118110-n	6172234-n	6229737-n	6292781-n	6381294-n	646261-n
611906-n	6172604-n	6230105-n	629370-n	6382169-n	64647-n
6120314-n	6173352-n	6230701-n	6296307-n	6382503-n	6469505-n
6120414-n	6175413-n	6230868-n	6301840-n	6383410-n	6474619-n
6121602-n	617593-n	6233167-n	6304895-n	638696-v	6482784-n
6122314-n	6176100-n	6234660-n	6305249-n	6387654-n	6482873-n
6123350-n	618020-v	6237248-n	6305343-n	6389736-n	6483118-n
6123685-n	6181168-n	6237556-n	6306384-n	639004-v	6483415-n
6123775-n	6183792-n	6238137-n	6308104-n	6393693-n	6483516-n
61241-v	6184583-n	6239235-n	6310492-n	6395109-n	648691-n
6124449-n	6184803-n	6242182-n	631049-v	6395412-n	6487051-n
6126379-n	6185040-n	6242317-n	6311636-n	6395705-n	6487234-n
6128207-n	618633-v	6243300-n	6312656-n	6397992-n	6489898-n
6128520-n	6186970-n	6243462-n	6317426-n	6399704-n	6491717-n
6129018-n	6187905-n	6244047-n	6324091-n	6402340-n	6492647-n
6129546-n	6189014-n	6246685-n	6326633-n	6403782-n	6494724-n
6130466-n	618909-n	6248263-n	6328473-n	6403949-n	6495937-n
6132060-n	6190056-n	6248400-n	6334152-n	6405409-n	6496143-n
6133941-n	6191296-n	6249010-n	6334866-n	6405589-n	6496402-n
6135638-n	6196257-n	6249725-n	6334958-n	6407222-n	6496463-n
6136061-n	6196959-n	6249-v	6336187-n	6407477-n	6496782-n
61364-v	619696-n	6250590-n	6337080-n	6408540-n	6497380-n
6136511-n	6199646-n	6251422-n	6338207-n	6410754-n	6506482-n
6138264-n	6199857-n	6257766-n	6338351-n	6411994-n	6507236-n
6138971-n	6200800-n	6261110-n	6340200-n	641341-n	6508519-n
6140210-n	6201886-n	6262337-n	6341116-n	6413743-n	6508712-n
6140636-n	6202229-n	6262742-n	6342001-n	6414796-n	6512028-n
6141175-n	6205566-n	6263987-n	6342992-n	641729-n	6515312-n
6141579-n	6206222-n	6264877-n	6346309-n	6417410-n	6517134-n
6143349-n	6207911-n	6265109-n	63474-v	6418065-n	6517651-n
6143624-n	6208325-n	6266842-n	6348002-n	6419475-n	6517833-n
6143676-n	6210098-n	6268977-n	6351032-n	6421189-n	6520859-n
6144535-n	6210538-n	6269561-n	6353115-n	6421686-n	6521523-n
6145278-n	6211551-n	626963-n	6354526-n	6422068-n	652197-n
6146349-n	6213145-n	6270873-n	6358014-n	6424717-n	6523896-n
6146812-n	6214245-n	6272955-n	6358845-n	6425570-n	6525754-n
6147144-n	6215226-n	627411-n	6358950-n	6425651-n	6526044-n
6147615-n	6216518-n	6280113-n	6363280-n	6426970-n	6527173-n
6148794-n	6218018-n	6280539-n	6365208-n	6429214-n	6527756-n
6152548-n	6218542-n	6281705-n	6365877-n	64309-n	65301-n
6154965-n	6219234-n	6282381-n	6366064-n	6431241-n	6532479-n
6156676-n	6220926-n	6282924-n	6366469-n	6432257-n	6544909-n

6546896-n	684508-n	7229716-n	755840-v	7975669-n	8178366-n
656468-v	68542-n	7230271-n	7562900-n	7976366-n	8178550-n
657325-v	6857247-n	7241823-n	756525-v	7983994-n	8181886-n
658041-v	687702-v	7253620-n	7572802-n	798573-v	8189248-n
661132-v	6878644-n	726203-v	7578964-n	7985946-n	8191554-n
661750-n	688124-v	7265204-n	7581958-n	7987988-n	8191726-n
662381-v	689792-v	7268781-n	7588313-n	799016-v	8194248-n
664468-v	6902133-n	7296759-n	7592460-n	79913-v	8195171-n
664980-v	690519-n	7297064-n	7592670-n	8006762-n	8198813-n
665239-v	6916265-n	7308994-n	760108-v	8009777-n	820052-v
665806-n	691956-v	731436-v	760590-v	801140-v	8203668-n
6662701-n	6920812-n	731804-v	760832-v	8013168-n	8213030-n
6666945-n	692128-v	7343258-n	761093-v	8016591-n	8214960-n
6667506-n	6924174-n	734693-n	7624769-n	8017238-n	8215972-n
6667670-n	6926657-n	7346960-n	762986-v	801916-v	821631-v
6667941-n	6934056-n	7347412-n	7662193-n	8019462-n	8219925-n
667094-n	6953487-n	7351871-n	7668392-n	8020257-n	8220943-n
667372-n	6961242-n	7355922-n	76863-n	8021208-n	822105-v
6673878-n	697371-v	735837-v	773597-v	8040900-n	8223079-n
6674233-n	697925-v	7359769-n	773754-v	8041486-n	8223599-n
667594-n	698176-v	736248-v	7738843-n	80417-n	8225333-n
6678305-n	698715-v	736323-n	77539-n	8042079-n	822814-v
668059-n	699493-v	7364408-n	775750-n	8042750-n	8234653-n
668373-n	700678-v	7368534-n	776797-v	805938-v	8251952-n
6690444-n	7009932-n	737222-n	7779658-n	80617-v	8253170-n
669245-v	7014394-n	737343-v	7784190-n	81070-n	8257421-n
6701143-n	702250-v	7373444-n	779145-v	8129714-n	826451-v
670462-v	703885-v	7377915-n	779802-v	8129878-n	827046-v
67056-n	70549-n	7384778-n	780187-n	8131277-n	8270967-n
6706360-n	7062238-n	7387714-n	780272-v	8132628-n	8272972-n
671070-v	706474-v	739253-n	7815987-n	8134249-n	8275549-n
6737458-n	708461-v	740047-n	7817334-n	8134858-n	827689-v
6741002-n	70853-n	740051-v	7820503-n	8136553-n	8283243-n
674703-n	709391-v	74126-n	7824433-n	8138318-n	8284717-n
675382-v	7094687-n	742471-v	782527-n	8138863-n	828892-v
675572-n	7104667-n	745050-v	7827346-n	8138975-n	8289566-n
678148-n	710708-v	745358-v	783105-v	8145550-n	8289922-n
678241-n	7111254-n	745562-v	7833320-n	8145815-n	8290055-n
6783418-n	7114197-n	745655-v	7834272-n	8146769-n	8291330-n
678466-n	7130115-n	7468374-n	783910-v	8146855-n	8291530-n
679324-n	713259-v	747705-v	7854675-n	8148137-n	829878-v
679666-v	7135707-n	7480274-n	786464-n	8149295-n	829977-v
679927-v	716377-v	7491282-n	786820-v	8150190-n	8300980-n
680087-v	7167183-n	749984-v	788650-v	8153206-n	8301603-n
681678-v	717039-v	750619-v	790455-v	8155853-n	8303160-n
6824629-n	717504-v	751004-v	7905428-n	8160514-n	8309957-n
683297-v	719114-v	751308-v	79101-n	8162378-n	831150-v
683722-v	719229-v	7527789-n	7945284-n	8167482-n	831338-v
684266-n	7222493-n	7533117-n	79552-n	81721-n	831782-v
684406-n	7224179-n	7548252-n	7968324-n	8178191-n	8319883-n

8321367-n	8481052-n	8579687-n	868381-v	8770623-n	884254-v
8321643-n	8481711-n	8580757-n	8684767-n	8770969-n	8847784-n
8322570-n	8487027-n	8581336-n	8685462-n	8779894-n	8856711-n
8323347-n	8488547-n	8584703-n	8689058-n	8780946-n	8856927-n
8329274-n	849029-n	858721-v	8689194-n	8781341-n	8863208-n
833100-v	8491867-n	8587316-n	8692787-n	8782969-n	8864244-n
8333538-n	8493012-n	8590020-n	8697066-n	8784408-n	8864396-n
8333656-n	8498819-n	8590574-n	8698677-n	8785121-n	8865432-n
8339642-n	8499179-n	8594324-n	8699357-n	8786821-n	8866647-n
8339862-n	8503893-n	8594750-n	8701059-n	8788110-n	8866841-n
8340138-n	850799-v	8595627-n	8713549-n	8802527-n	8869224-n
8340249-n	8508716-n	8595880-n	8714170-n	8808961-n	8871-v
8340478-n	850894-v	8596065-n	8716620-n	8809663-n	8875850-n
8344434-n	8511041-n	8610251-n	8717720-n	8810983-n	8876298-n
8347058-n	8511985-n	8610388-n	8719621-n	8811729-n	888240-v
8347686-n	8513980-n	8610675-n	8720602-n	8811935-n	888862-v
8348150-n	8514292-n	8610844-n	8722828-n	8812279-n	889296-v
8350728-n	8515852-n	8612860-n	8723112-n	8813320-n	8894283-n
8361024-n	8515973-n	8613348-n	8725143-n	8813799-n	8896849-n
836405-v	8518320-n	8616308-n	8725485-n	8814001-n	8904422-n
8378166-n	851881-v	8616662-n	8726306-n	8814621-n	8905579-n
838518-v	8525089-n	8617001-n	8730793-n	8815010-n	8905767-n
8402485-n	8525534-n	8617611-n	8731351-n	8815309-n	8906091-n
8403226-n	8525667-n	8619355-n	8731453-n	8815628-n	890657-v
8403964-n	8525976-n	8621108-n	8733789-n	8815982-n	8907039-n
8404169-n	8527205-n	8627963-n	8734266-n	8816329-n	8908910-n
841020-v	8527736-n	862913-v	8735131-n	8816728-n	8918401-n
841249-v	85298-n	8629763-n	8735817-n	8817229-n	8920820-n
8413553-n	8531636-n	8632843-n	8737617-n	8817469-n	8920934-n
841435-v	8533203-n	8633855-n	8741829-n	8817547-n	8921879-n
8419656-n	853606-v	863728-n	8743532-n	8817642-n	8925302-n
8424507-n	8538986-n	863987-n	8744574-n	8817818-n	8925655-n
8426160-n	8545507-n	8646364-n	8744981-n	8818019-n	8926045-n
8426349-n	854736-v	8648511-n	8745921-n	8819738-n	8926378-n
8429359-n	8548513-n	86487-n	8746183-n	8819891-n	8927230-n
8432053-n	8553368-n	8655337-n	8748916-n	8820586-n	8938126-n
843648-v	8553533-n	8666542-n	8749934-n	8821209-n	8945888-n
8436870-n	8555059-n	8666874-n	8750402-n	8821383-n	8946172-n
844103-v	8558023-n	8667386-n	8750711-n	8821671-n	8946379-n
8451697-n	8558381-n	8667827-n	8750894-n	8822784-n	8948999-n
8452293-n	8559261-n	8669177-n	8751990-n	8823535-n	895455-n
8455849-n	8560073-n	8674751-n	8752989-n	8823650-n	8961121-n
845810-v	8560710-n	8675273-n	8753133-n	8823941-n	8963326-n
8458138-n	8561009-n	8676440-n	8757215-n	8825268-n	8964219-n
8458382-n	8561245-n	8679558-n	8758250-n	8828079-n	8965639-n
8466687-n	8562072-n	8679636-n	8758580-n	882947-v	8969610-n
8470048-n	856708-v	8680828-n	8761821-n	8831336-n	8972580-n
8470399-n	8567787-n	8680997-n	8765177-n	8831688-n	8974123-n
8474271-n	8570072-n	868288-v	8767833-n	8836795-n	897454-v
8479761-n	8575354-n	8682974-n	8769403-n	8839645-n	8979-v

8980378-n	904527-v	9092294-n	9145889-n	9337-v	968570-v
8985858-n	9050959-n	9093087-n	9150573-n	935179-n	969255-v
899031-v	9054189-n	909398-n	9151311-n	935525-v	96985-v
899214-n	905676-v	9095910-n	9151638-n	936049-v	970576-v
8994889-n	9060224-n	9099211-n	9151839-n	936356-v	971066-n
9001272-n	9061038-n	9099412-n	9152020-n	938193-v	972206-v
9003228-n	906420-n	9099976-n	9153487-n	938602-v	972859-v
900879-v	9068359-n	9100030-n	9160356-n	939810-v	97775-v
9009687-n	9069318-n	9100945-n	9160756-n	940943-v	978339-v
9012170-n	9069659-n	9101225-n	9161165-n	942868-v	980561-n
9020295-n	9070492-n	9101593-n	9162914-n	944300-v	98113-n
902145-v	9072117-n	9102327-n	9163855-n	946749-v	982638-n
9022525-n	9078958-n	9104350-n	916763-v	951514-v	985868-v
902351-v	9079433-n	910879-n	9168906-n	95298-n	986072-v
9024410-n	908083-v	9109411-n	9171547-n	95355-v	988855-v
903524-v	9080889-n	9109785-n	9172063-n	954722-v	988863-n
9035794-n	9081040-n	9111934-n	9172592-n	957007-n	989166-v
903638-v	9082364-n	9128288-n	9176018-n	959001-v	992955-v
90385-n	9083818-n	9130082-n	9178537-n	95940-n	995557-v
9041685-n	9084358-n	9130605-n	9181846-n	96310-n	996212-n
9041837-n	9087179-n	913638-n	925696-v	965279-v	997687-v
904301-n	9087641-n	914018-v	92958-n	967176-v	
904371-v	9088255-n	9143888-n	932787-v	968504-n	

ANNEX 4

**The Mapping with the ILI Records of the
Serbian Local Base Concepts**

1001676-n	168046-v	2367068-n	3228373-n	3929937-n	4297253-n
101940-v	176535-v	23747-n	3246596-n	3950114-n	430180-v
1053519-v	177586-n	2391765-n	3262705-n	3950859-n	4303912-n
108700-n	1777063-n	2403-n	327355-n	3951944-n	4306177-n
1112683-v	1778647-n	2406167-n	3273891-n	3963813-n	430732-n
1115339-v	179009-n	2409710-n	3276188-n	3974728-n	4307478-n
1116739-v	182735-n	241323-v	3278641-n	3977433-n	4307694-n
112033-n	192160-n	2454789-n	3280552-n	3989414-n	4310130-n
1121367-v	1963789-n	2461469-n	3320046-n	3989706-n	4327108-n
1124002-v	1989425-n	2468789-n	3323192-n	3997908-n	4330548-n
1124703-v	1993461-n	2483552-n	3478507-n	3999699-n	4334492-n
112942-n	2005031-n	2500999-n	3486417-n	4029219-n	4334815-n
1131860-v	2005509-n	2525479-n	3504545-n	4031475-n	4335289-n
1133355-v	200732-n	2531373-n	3511142-n	4031649-n	4338930-n
1136714-v	2009891-n	2536526-n	3513691-n	4037991-n	4339195-n
1138816-v	201487-n	256308-n	3525212-n	4065923-n	4339459-n
113929-n	2039764-n	2675810-n	3526266-n	406988-n	4342609-n
1151353-v	2041791-n	2699053-n	3526770-n	407285-v	4343424-n
115560-n	2060586-n	2718537-n	3542970-n	4077595-n	4355221-n
1175685-v	2067216-n	2724803-n	3543300-n	4082667-n	4363212-n
1201277-v	2070064-n	2744877-n	358181-n	4086163-n	4366422-n
120233-v	2092998-n	2755113-n	3608572-n	408637-n	4385295-n
1212020-v	2117526-n	2772677-n	3616419-n	4090044-n	4395652-n
1232279-v	212149-n	2806793-n	3651732-n	4095738-n	4413961-n
1241864-v	2130649-n	2829490-n	365442-v	4103218-n	4463492-n
1246911-n	2137346-n	2856203-n	3654643-n	4106827-n	447050-n
1262879-v	2140866-n	288782-n	365577-n	4120274-n	4477055-n
1263371-v	215013-v	2895433-n	3670862-n	4120984-n	4477284-n
1266808-v	2150166-n	2981186-n	3725526-n	413121-n	4479139-n
1271735-v	21571-n	2984910-n	3726592-n	4161986-n	4479560-n
1284945-v	215793-n	2986876-n	373304-n	4182636-n	4481060-n
1300223-v	2164161-n	2989550-n	3743224-n	4184147-n	4484586-n
1303135-v	21712-n	3007570-n	3756061-n	4184720-n	451648-v
132257-v	2185896-n	30125-n	3780498-n	4212139-n	453452-n
132916-n	2196864-n	3014390-n	3825239-n	4218164-n	4544279-n
1380816-v	228189-v	3057072-n	3842295-n	4219073-n	4547538-n
1387083-v	228717-v	3096988-n	3844642-n	4219967-n	455300-n
1400956-n	2296488-n	3113953-n	3845973-n	4248851-n	4553892-n
1423425-v	2306380-n	3119805-n	384834-v	4249770-n	4574485-n
144620-n	2308481-n	3179049-n	385232-v	4251073-n	457891-v
148798-n	2331390-n	318719-n	3867951-n	4251687-n	4598456-n
151580-n	2336139-n	319015-n	3905869-n	4252657-n	4599989-n
1557838-v	2351814-n	3202024-n	3907007-n	4254787-n	4616389-n
1559884-v	2356124-n	3209045-n	3913628-n	4267395-n	4629449-n
159786-n	2360659-n	32124-n	3928346-n	4271442-n	4633338-n

4636088-n	5118858-n	5355802-n	588338-n	740051-v	850263-v
46374-v	5124886-n	5358864-n	5919271-n	742471-v	8513980-n
464391-n	5128666-n	536218-v	5921424-n	775750-n	8527736-n
4646358-n	5134260-n	536799-v	594528-n	7973626-n	85298-n
4654340-n	5134598-n	5383111-n	5975785-n	7973909-n	8539873-n
4660719-n	5144333-n	5388900-n	5991284-n	7975669-n	8541701-n
467001-n	514818-n	5389703-n	5992182-n	7987568-n	8556879-n
468174-v	5151383-n	5398455-n	600116-n	7987988-n	8560710-n
4685318-n	5152465-n	5412973-n	600366-n	79913-v	8567787-n
4691474-n	5152734-n	5423775-n	6035436-n	8006762-n	8569687-n
4692559-n	515750-v	5427817-n	6043489-n	8008167-n	8575354-n
4693815-n	5158282-n	5439214-n	604640-n	8008824-n	8581336-n
4702945-n	5158405-n	544173-v	6065149-n	8009777-n	8581834-n
4704301-n	5180469-n	5459949-n	6070566-n	8013168-n	8590020-n
4707379-n	5187123-n	5467440-n	607280-n	80617-v	8609989-n
4707830-n	520006-v	5469324-n	6085610-n	811630-v	8627661-n
4709394-n	5205582-n	5470365-n	6128520-n	8125683-n	8652160-n
4711277-n	5225681-n	5474318-n	613073-n	8129714-n	8690179-n
4712706-n	5226551-n	55409-n	6147144-n	8134858-n	8731586-n
4714117-n	5234560-n	554158-n	616244-n	8162378-n	8748597-n
4724593-n	5236619-n	558987-n	616524-v	8178366-n	8756343-n
4724889-n	5237334-n	5652519-n	616864-v	8178550-n	8771164-n
4725823-n	523813-n	565774-v	6172234-n	8194750-n	8785121-n
4756832-n	524290-v	5675974-n	6191978-n	8196089-n	8786821-n
4764665-n	5245342-n	5678961-n	6208325-n	8203668-n	8788110-n
4807941-n	5247902-n	568444-n	6220762-n	8209564-n	8802527-n
4812078-n	5249589-n	568971-n	6229737-n	8210723-n	8895155-n
4813649-n	5250835-n	569397-n	6234660-n	8215972-n	8900393-n
4816949-n	5254847-n	5694028-n	6236333-n	8223366-n	8941666-n
4824185-n	52643-n	5700218-n	6260386-n	823224-v	8943148-n
4828633-n	5267533-n	571857-n	6267309-n	825476-v	8976328-n
4835361-n	5277728-n	5807900-n	626963-n	8270967-n	898017-v
483686-n	5279171-n	5839558-n	6285307-n	8283983-n	8997698-n
4839368-n	5280097-n	5839859-n	629370-n	8286841-n	8998167-n
4861776-n	528306-n	5841864-n	6361546-n	8287081-n	9003228-n
486325-n	5288049-n	5843116-n	6365005-n	8290055-n	9014957-n
4877058-n	5289006-n	5845201-n	6419475-n	8292936-n	9054615-n
491582-n	5289346-n	5849616-n	644837-n	8297161-n	9086689-n
4994552-n	5291001-n	5849796-n	64647-n	8311015-n	9092294-n
500485-n	5306773-n	5851017-n	6467365-n	832458-v	9153487-n
5011422-n	5309023-n	5851924-n	6483197-n	835180-v	9170951-n
5020924-n	5309559-n	5852634-n	6486003-n	8442105-n	9179364-n
5045640-n	531074-v	5854560-n	6494724-n	8451981-n	934308-v
504759-v	5313943-n	5857983-n	6501562-n	8471897-n	935195-v
5048903-n	5315417-n	585819-n	6506061-n	8473170-n	95683-n
5056236-n	5316202-n	5859392-n	6511104-n	8479761-n	978339-v
5078414-n	5316998-n	5861030-n	6515312-n	8486865-n	98399-v
5102501-n	5338988-n	5862782-n	652760-v	8487027-n	
5115837-n	5347181-n	5866794-n	661750-n	8488973-n	
5117140-n	5349035-n	5870389-n	698846-v	8499179-n	

ANNEX 5

**The Mapping with the ILI Records of the
Turkish Local Base Concepts**

1002211-v	1103064-v	1205323-v	1302917-v	1420578-v	1503750-v
1003470-v	1103187-v	1208867-v	1305002-v	1420841-v	1506602-v
1003581-v	1110654-v	1209109-v	1305767-v	142209-v	1520424-v
1008411-v	1110956-v	1212020-v	1306037-v	1423262-v	1521416-v
1013456-v	111108-v	1212681-v	130659-v	1423425-v	1521990-v
1017151-v	111309-v	12162-v	1306930-v	1425745-v	1523791-v
1019562-v	1115339-v	1219288-v	1307151-v	1429171-v	1525423-v
101987-n	1115672-v	1225172-v	1308684-v	142918-v	1526974-v
102854-n	1116739-v	123050-v	1309969-v	143080-v	1528409-v
1029347-v	1118784-v	1234118-v	131260-v	1433448-v	1530191-v
1031705-v	112033-n	1234396-v	1313552-v	1434123-v	1533042-v
1039302-v	1123207-v	1234944-v	1314932-v	143469-v	1547372-v
1039441-v	1126482-v	1238187-v	1317619-v	1436492-v	1550509-v
1039648-v	1127279-v	1238831-n	1321663-v	1438696-v	1550931-v
103989-n	1133162-v	1241152-v	1321769-v	1438930-v	1551558-v
1040524-v	1133355-v	1241645-v	1321945-v	1440671-v	1551796-v
1042628-v	1134315-v	1243394-v	132916-n	1440956-v	1552040-v
1058139-v	1134878-v	1243774-v	1330337-v	1441168-v	1552583-v
106221-v	1136714-v	1244553-v	1334970-v	144554-v	1553494-v
1064354-v	1137822-v	1246321-v	1335228-v	1446131-v	1553623-v
1065051-v	1139545-v	1247229-v	1340034-v	145464-v	1553775-v
1065694-v	1162630-v	1248887-v	1345488-v	1456006-v	1554542-v
1066002-v	1163166-v	1252313-n	1346993-v	1460325-v	1556258-v
106713-v	1171964-v	125250-n	1347552-v	1462564-v	1556964-v
106828-v	117258-v	1253241-n	1350411-v	1462951-v	158363-n
1071509-v	1175685-v	1259481-v	1350527-v	146311-v	159529-n
1072128-v	1176439-v	1259942-v	1359037-v	1463557-v	159786-n
1072711-v	1176922-v	1261123-v	1369485-v	1467036-v	160234-n
1074875-v	1177978-v	1262609-v	1372583-v	1469043-v	1634966-n
1075262-v	1178381-v	12670-n	1375263-v	1469716-v	1642313-n
1076098-v	117993-v	1271735-v	1378094-v	1474493-v	1649568-n
1079457-v	1182951-v	1272317-v	1379470-v	1479852-v	1650277-n
1083482-v	118386-v	1272973-v	1380816-v	1485049-n	165341-n
1083907-v	1183931-v	1278539-v	138377-v	1486538-v	169284-n
1084706-v	1184040-v	1282990-v	1384104-v	1486667-v	173189-n
1087187-v	119224-v	1284945-v	1386819-v	148709-v	173749-n
1088299-v	1195859-v	1289242-v	1387083-v	1487374-v	174377-n
1089468-v	1196106-v	1289791-v	1393539-v	1487938-n	175664-n
1093148-v	1197974-v	1290144-v	1404948-v	148798-n	176535-v
1094060-v	1198269-v	1294510-v	1405259-v	1489871-v	1777063-n
109739-v	1199532-v	1297479-v	140526-v	1497266-v	1778647-n
1098922-v	1199651-v	1299302-v	1406449-v	1497580-v	181076-n
1099937-v	120233-v	1301018-v	1409227-v	1497715-v	182471-n
1102043-v	1202615-v	1302268-v	1417019-v	1500701-v	184637-n

185045-v	2185896-n	2403-n	2718537-n	3026995-n	3464390-n
185197-n	2191542-n	240425-n	272825-v	3028871-n	3477661-n
185745-n	219361-v	2409710-n	2732981-n	305412-n	3478507-n
187227-v	219832-v	2410743-n	2733353-n	305573-v	348639-v
189817-n	2199263-n	241323-v	2733514-n	3057072-n	3494418-n
1960302-n	2200146-n	2419922-n	2733714-n	3059077-n	3503480-n
1964560-n	2201316-n	2433281-n	2744877-n	3063855-n	3504545-n
1973283-n	2222238-n	2433420-n	2746138-n	3072190-n	3509789-n
1973382-n	2223002-n	2443461-n	2746281-n	307466-v	3526266-n
1980313-n	2231221-n	2447424-n	2748699-n	3079525-n	352808-v
1983985-n	2232669-n	2447539-n	2753034-n	3082055-n	3530366-n
1985721-n	2232924-n	2448039-n	2753312-n	3112345-n	3541004-n
200732-n	2239470-n	2458962-n	276140-v	3118637-n	3541573-n
2009891-n	2240194-n	2459196-n	2763189-n	3121046-n	3542970-n
201404-v	2240285-n	247502-n	2768995-n	3146170-n	3548710-n
201487-n	2243571-n	2480451-n	2786310-n	316902-n	3548848-n
2036049-n	224359-v	2488328-n	2790177-n	3176469-n	3549231-n
2039764-n	224476-v	2489891-n	2808692-n	3179049-n	3555222-n
205092-n	2254976-n	2493047-n	2811034-n	3187167-n	3555717-n
2054514-n	225556-v	2495980-n	281762-v	318719-n	3557886-n
206373-v	225986-v	2496478-n	2835354-n	3187285-n	3558943-n
2065345-n	2264710-n	2519219-n	283778-n	319015-n	3560616-n
2067216-n	226625-v	2519511-n	284108-v	3202024-n	3561434-n
2070064-n	2272443-n	2529439-n	2856203-n	320364-v	356251-v
209240-n	2274475-n	2534080-n	2865112-n	323998-v	3563097-n
209363-n	2284057-n	2536526-n	2874709-n	324492-v	3565899-n
2093924-n	229460-v	255165-v	2880841-n	3267199-n	3568395-n
209484-n	2304267-n	255561-n	2887144-n	3267446-n	3570575-n
2104302-n	2308481-n	2562976-n	2887513-n	3280423-n	3580189-n
2112923-n	232405-n	2567890-n	2891404-n	3280552-n	358181-n
2117935-n	2324378-n	2578348-n	2894887-n	3281184-n	3582590-n
211830-n	2334192-n	2581389-n	2895433-n	3285323-n	3589241-n
2118553-n	2336139-n	258851-v	2897533-n	328838-v	3597961-n
2123465-n	234780-v	2592107-n	2901299-n	3288398-n	3599305-n
2124183-n	2356124-n	2592240-n	2905750-n	329462-v	3607887-n
2124914-n	235644-v	2608565-n	2910400-n	329855-v	3612559-n
2137346-n	2357683-n	2636379-n	2914580-n	3318005-n	36182-n
2147010-n	2360659-n	2651193-n	2915986-n	3320046-n	3628147-n
2150808-n	23616-n	2653622-n	2920249-n	332807-v	3641380-n
21571-n	2363022-n	2664419-n	292288-v	3340895-n	364156-v
215793-n	2363176-n	2664938-n	292993-n	334594-n	36514-n
2163959-n	23635-v	2675810-n	293961-n	338733-v	3667710-n
2164161-n	2371137-n	2680135-n	2944920-n	3396511-n	367227-v
2164901-n	2371484-n	2683081-n	294529-n	342336-v	367533-v
2166642-n	2371699-n	2685750-n	29539-v	3426404-n	3726111-n
21712-n	23747-n	2703561-n	2984910-n	3429868-n	3728203-n
218127-v	2378248-n	2707999-n	2994465-n	342991-v	3728823-n
2183937-n	2378734-n	2709073-n	2994588-n	3431897-n	373304-n
2184087-n	2388423-n	2709914-n	3007570-n	344875-v	375289-v
2185443-n	2391765-n	2713651-n	3007912-n	3450912-n	376446-n

377820-v	3950476-n	4202905-n	446000-v	4723091-n	496684-v
378538-v	3950859-n	4212139-n	447050-n	4725823-n	496882-v
379713-v	3951944-n	4214772-n	4477055-n	4728710-n	498190-n
379927-v	3953209-n	4217529-n	4479560-n	4729847-n	4983864-n
3802202-n	3956667-n	4247497-n	4484586-n	4735054-n	501668-v
3805248-n	3957670-n	424899-v	4487574-n	4737713-n	5043098-n
3805829-n	3961872-n	4252987-n	4488085-n	4740327-n	504385-v
380629-n	3962112-n	4254459-n	45000-v	4741205-n	5045640-n
3808318-n	3963400-n	4267395-n	451648-v	4741436-n	5045995-n
3809482-n	3969667-n	4280687-n	453452-n	4742969-n	5048075-n
3809982-n	3973733-n	429136-v	4540943-n	4750825-n	5048903-n
3810334-n	3974728-n	429444-v	4547538-n	4751229-n	5056236-n
3810456-n	3975593-n	429831-v	4555665-n	4753408-n	507320-v
3811185-n	3977433-n	430180-v	457891-v	4758340-n	507610-v
3814933-n	3989414-n	4310732-n	4586812-n	4761832-n	5082677-n
3820211-n	3989706-n	4314796-n	4587045-n	4769536-n	508391-v
3822974-n	3995589-n	4329537-n	458885-v	4773100-n	5104613-n
3825055-n	3996292-n	432958-v	4598456-n	4782179-n	5106900-n
383005-v	399721-n	4329803-n	4612376-n	4782998-n	5110805-n
3834851-n	4009451-n	433188-v	46130-v	4784242-n	5111124-n
3842295-n	4029219-n	4334492-n	4622928-n	4785109-n	5115157-n
384385-v	403071-v	4335289-n	4627816-n	4788809-n	5115837-n
3850174-n	4030976-n	4338930-n	4629449-n	4789978-n	5118740-n
3851840-n	4031475-n	4339195-n	46374-v	4792734-n	5122568-n
385232-v	4031649-n	4342072-n	4638177-n	4793531-n	5122823-n
3854513-n	4050605-n	4342609-n	4638604-n	4802738-n	5123020-n
3858507-n	406988-n	4343424-n	4638828-n	4807941-n	5126524-n
3859305-n	4094036-n	4358508-n	4639149-n	4812078-n	5128666-n
3867951-n	411077-v	4359978-n	4640417-n	4821235-n	513012-n
3875668-n	4119058-n	4361011-n	4641608-n	4823348-n	513328-v
3877524-n	4120274-n	4363212-n	4646358-n	4824109-n	5134260-n
3877715-n	4120984-n	4366422-n	4647123-n	4828633-n	5134360-n
3877957-n	4121822-n	436765-v	465547-n	483686-n	5134598-n
388897-v	4145135-n	4389845-n	4655513-n	4839368-n	5135231-n
389368-n	4145459-n	4390106-n	4659463-n	484384-n	513550-v
3895653-n	4145615-n	439025-v	468052-v	4861776-n	5138208-n
390535-v	4145894-n	439306-n	4692559-n	486325-n	5139522-n
3905869-n	4148171-n	4393314-n	4693815-n	488485-v	5151383-n
3907007-n	4149164-n	4395652-n	4697931-n	4893702-n	515168-v
3913628-n	4149411-n	4397765-n	4698675-n	4894123-n	5155655-n
3918596-n	414958-n	4398530-n	4698849-n	4894225-n	5180059-n
3928346-n	4160243-n	440117-n	4699918-n	4897342-n	5180469-n
3929489-n	4166743-n	4410665-n	4704301-n	4907493-n	5180586-n
3929937-n	4179692-n	441917-n	4705102-n	490819-v	5188071-n
3931291-n	4180167-n	4421158-n	4707830-n	491247-v	5188888-n
3932317-n	4180306-n	443044-n	4709394-n	491582-n	5196097-n
393343-v	41868-v	443207-n	4711277-n	4922701-n	5206236-n
3946824-n	4196726-n	4444357-n	4712706-n	4938752-n	5206625-n
3948326-n	4196828-n	4446569-n	4714117-n	49591-n	5214185-n
3948937-n	4198096-n	4449037-n	4722857-n	4963301-n	5214661-n

5216370-n	5383749-n	5650904-n	5915104-n	6138971-n	6393807-n
5223629-n	5389703-n	5652519-n	5917939-n	6140210-n	6419475-n
5224301-n	539218-v	5653931-n	5918131-n	614591-v	643063-n
522480-n	5400519-n	565774-v	5919271-n	6159372-n	6431241-n
5225098-n	5407619-n	5657814-n	5921424-n	616244-n	644990-v
5225681-n	5411289-n	5658042-n	5931218-n	6167650-n	64647-n
5226551-n	5411428-n	566082-v	5941303-n	6172234-n	6466132-n
5228538-n	5417243-n	5662165-n	5946589-n	6173352-n	6469505-n
522876-v	5417380-n	5662984-n	5946753-n	618020-v	6475816-n
5232019-n	5421849-n	5663667-n	595941-n	6189897-n	647970-n
523323-v	5429860-n	5666734-n	5971919-n	6196257-n	6480657-n
5237832-n	5430716-n	5667726-n	5975157-n	6199857-n	6486765-n
523813-n	5431339-n	5674627-n	5975298-n	6200482-n	6487051-n
5244277-n	5431759-n	5675974-n	5975560-n	6208325-n	6487234-n
5247074-n	5431940-n	5677889-n	5978560-n	6212971-n	6493065-n
5249044-n	543438-n	5678401-n	5981253-n	6213145-n	6494724-n
524935-v	5440525-n	5680845-n	598317-v	6222168-n	6496782-n
5250835-n	5440664-n	568444-n	5984396-n	6229737-n	6508519-n
5254847-n	544173-v	5687869-n	5987089-n	6231833-n	6508712-n
5256772-n	544297-v	568971-n	5992182-n	6237248-n	6515312-n
5259078-n	5445740-n	5690344-n	5997509-n	6242182-n	652760-v
5268718-n	5445839-n	5694028-n	600116-n	6246685-n	6532479-n
5269456-n	544685-v	5700218-n	6002691-n	6269561-n	6551122-n
5272108-n	5446879-n	5701302-n	600366-n	626963-n	657772-v
5276749-n	5447095-n	5704090-n	6011734-n	6271584-n	659325-v
5289346-n	5449225-n	570811-v	6022052-n	6271980-n	661750-n
5292131-n	5452241-n	5717313-n	6029783-n	6276730-n	662183-v
5296752-n	5454683-n	5717406-n	603042-v	6278248-n	66332-n
529742-v	5455008-n	5717932-n	603223-v	6280113-n	664866-n
529827-v	5456053-n	5718475-n	6035300-n	6282924-n	665806-n
5309023-n	5456267-n	571857-n	604640-n	629370-n	667064-v
531074-v	545650-v	572016-v	6070566-n	6310492-n	669245-v
531748-n	5457541-n	5723179-n	607280-n	631312-n	670058-v
5331446-n	5462617-n	5729454-n	6073016-n	6320834-n	670333-v
533825-v	5465152-n	5732210-n	6077604-n	6324091-n	670462-v
5346968-n	5465271-n	574865-v	608039-n	6325589-n	670998-v
5347181-n	5467440-n	575843-v	6085610-n	6328473-n	671070-v
5355698-n	5467644-n	5773826-n	608607-n	6328712-n	671336-v
5355802-n	5470365-n	5807900-n	6108210-n	6337080-n	672348-v
5357990-n	5471325-n	583238-v	6108308-n	6341817-n	677932-v
5358864-n	5479114-n	5841864-n	6108762-n	6347644-n	678049-v
536218-v	549696-n	5845201-n	6110213-n	6354179-n	679578-n
5370129-n	550435-v	5849616-n	6110737-n	6362423-n	679730-n
5371474-n	55043-v	5854560-n	6111119-n	6362774-n	681678-v
5371960-n	55409-n	5856469-n	611426-v	6367154-n	683722-v
5373097-n	556764-v	585819-n	6121704-n	637714-v	68542-n
5377490-n	558987-n	587507-v	6122435-n	6382169-n	689792-v
538064-v	561821-v	58767-n	6128520-n	6382503-n	690674-v
5382485-n	5639641-n	59050-n	612955-v	638556-v	692194-n
5383111-n	5650800-n	590618-v	6133941-n	638696-v	695252-v

696288-v	8034527-n	8323347-n	8527736-n	8788110-n	9099976-n
707153-v	805938-v	832458-v	8529026-n	879256-v	9100030-n
708689-v	80617-v	8329274-n	8529162-n	879526-v	9102327-n
709391-v	811157-v	8329425-n	8529373-n	8802527-n	910723-v
710074-v	81285-n	8353939-n	85298-n	8813799-n	9109785-n
713838-v	8129714-n	83820-v	8531636-n	8814621-n	9111934-n
7140680-n	8132628-n	8407459-n	8532593-n	8815309-n	9128585-n
71682-n	8134858-n	841249-v	8535445-n	8819522-n	9129315-n
717221-v	8136260-n	8424179-n	8541701-n	8820586-n	9130339-n
718006-v	8141079-n	8424507-n	8548513-n	8823535-n	9145889-n
718350-v	8146769-n	842813-v	8549107-n	883685-v	9146244-n
7229329-n	8146855-n	84281-v	8556879-n	888862-v	9151311-n
727125-v	8150190-n	8430959-n	8560710-n	8896849-n	9153231-n
731319-v	8151500-n	8431332-n	856708-v	889896-v	9153487-n
734999-v	81543-n	8431724-n	856837-v	8918401-n	9163346-n
736248-v	8162378-n	8432053-n	8575354-n	8918989-n	9163986-n
744121-v	8167482-n	8434129-n	8579687-n	8919101-n	9164957-n
747545-v	8170978-n	8435788-n	858995-v	8920934-n	9165255-n
747705-v	8176548-n	843648-v	859181-v	8926378-n	9169170-n
751308-v	8178366-n	8441509-n	861139-v	8936293-n	9174077-n
752097-v	8178550-n	844742-v	8627661-n	8941666-n	9179364-n
7562900-n	818159-v	8451216-n	8635481-n	897454-v	918379-v
760108-v	8194750-n	8451981-n	8669177-n	9007655-n	9184144-n
7602864-n	8199477-n	8454189-n	868524-v	9007757-n	92608-n
760366-v	8203668-n	8454930-n	869802-v	900879-v	930622-v
765238-v	8207185-n	8458382-n	8717549-n	902351-v	934308-v
7682249-n	8209289-n	8465789-n	8728599-n	903313-v	935195-v
774734-v	821631-v	8471577-n	8730793-n	9037330-n	943290-v
77539-n	8218733-n	8478759-n	8737617-n	905676-v	945060-v
776572-n	8219992-n	8482820-n	8738990-n	9069318-n	94915-v
783105-v	8223079-n	8487027-n	8746898-n	9069659-n	952386-v
783640-v	8225333-n	8487176-n	8751990-n	9070492-n	960313-v
7854675-n	823224-v	850263-v	8752989-n	9071157-n	965134-v
788650-v	825476-v	8506598-n	8753133-n	9072117-n	968570-v
789100-v	8265431-n	850894-v	875459-v	9081040-n	970576-v
7927-v	827046-v	8509642-n	8769823-n	9085155-n	97331-n
795189-v	8301603-n	851107-v	8770969-n	908601-v	978339-v
79913-v	8303160-n	8513980-n	8771164-n	9092294-n	989166-v
8016591-n	831782-v	8515852-n	877495-v	9095910-n	995469-v
8018370-n	8318627-n	8525089-n	877872-v	909809-v	996988-v
802827-v	8321643-n	8525534-n	8786821-n	9099211-n	