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# A complete verb lexicon of Turkish based on morphemic analysis

Mine Nakipođlu & Aslı Üntak

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This study presents the first complete verb lexicon of Modern Turkish. An exhaustive investigation of the TDK Dictionary (1998) has shown that the verb count of simplex verbs of Turkish is about 4700. The lexicon is laid out in two appendices: Appendix 1 lists the monosyllabic verbs of Turkish; Appendix 2a groups the derivational morpheme bearing verbs in 34 distinct categories and reveals that the five most productive verb deriving affixes in Modern Turkish are *-IA*, *-IAş*, *-IAn*, *-DA* and *-In*. Appendix 2b comprises Turkish verbs which are identical to adjective and noun roots and compound verbs as listed in the TDK Dictionary. Appendix 2c contains the reflexive, reciprocal and causative verbs of Turkish.

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## 1. Introduction

Unlike most other languages, Turkish presents a wide array of affixes added to roots in deriving verbs. This paper aims to provide the first complete lexicon of Turkish verbs where the verbs are segmented and classified with respect to the derivational morphemes they bear. To that aim, the Turkish Language Association Dictionary (*TDK sözlüğü*) and the Turkish Writing Guide (*Türkçe yazım kılavuzu*) have been scanned and verbs used in standard Turkish have been categorized regarding their morphemic properties. The primary sources used in the morpheme-based categorization of Turkish verbs have been Banguođlu (1986) and Korkmaz (2003).

The present study is the first of its kind in its attempt to determine the verb count of Turkish by examining the entire Turkish verb lexicon and providing an exhaustive compilation of verbs. A thorough scanning of the sources mentioned above has revealed that the number of verbs in Turkish is about 4700 (4669). Of these verbs only 221 are monosyllabic. The alphabetical list of the monosyllabic verbs of Turkish has been given in Appendix 1. The present study comprises one more appendix consisting of three parts where an exhaustive morpheme-based classification of Turkish verbs is laid out. Appendix 2a lists Turkish verbs derived by derivational affixes. Appendix 2b comprises verb roots which are identical to nominal and adjectival roots and compound verbs formed with the auxiliary verbs *et-* 'to do',

*eyle-* ‘to make/do’ and *ol-* ‘to be’. In compiling the compound verbs of Turkish we have restricted ourselves only to verbs that are treated as separate entries in the TDK dictionary, i.e., those verbs in which the nominal and the verb are joined up; hence the list given is a partial list of the compound verbs of Turkish. Finally, Appendix 2c gives a complete list of reflexive, reciprocal and causative verbs of Turkish.

In pursuing a morphemic analysis of Turkish verbs, we sought to complement the classification with information attained from etymological dictionaries such as Clauson (1972), Eren (1999) and Tietze (2002) and have drawn on data from Erdal (1991) to determine the morpheme boundaries of verbs which are not transparent in meaning and morpheme decomposition. In cases where the sources cited have differing views regarding the etymology and the morpheme boundary of a certain verb, we have attempted to provide all the views available on the issue in the end-notes. We would like to remind our reader that this study only covers the verbs of standard Turkish and excludes verbs indicated as colloquial in the TDK dictionary. With these general motivations in place, we proceed to the details of our analysis.

## 2. An analysis of verbal morphemes of Turkish

The first appendix of this study comprises the monosyllabic verbs of Turkish which are 221 in number. In the remaining verbs there is always a verb deriving affix. The second appendix of this study consists of those Turkish verbs derived by affixation and starts out with a list of bare roots that differ from the list of monosyllabic verbs given in Appendix 1 in being verbs that cannot be further decomposed. In what follows, we attempt to first lay out in what respect monosyllabic verbs listed in Appendix 1 differ from the bare verbal roots.

### 2.1. Bare verbal roots of Turkish

The question of whether a morpheme-based analysis of the entire verb lexicon of Turkish can be informative as to how many of the verbs can be reduced down to bare roots, in particular to a CV(C) structure, is alluring. In an effort to determine the bare roots of Turkish, we have investigated the roots of the monosyllabic verbs and have observed that in contrast to the majority which are bare roots, there are four monosyllabic verb types which appear to bear a derivational morpheme. These are /y/-ending monosyllabic verbs and the verbs ending in the consonant clusters /rp/, /rnt/ and /rlk/. In the case of /y/-ending monosyllabic verbs, there is strong evidence indicating that verbs of the (C)Vy-type were derived from the rare  $-(X)d$  formative. Evidence regarding the morpheme bearing properties of monosyllabic verbs ending in consonant clusters, however, is less clear-cut, and there appear to be variant views as to whether the monosyllabic verbs ending in /rp/, /rnt/ and /rlk/ bear a morpheme or not.

Adapting the analyses of Erdal (1991) and Banguoğlu (1986), in the present work, we have treated verbs such as *doy-* ‘to be satiated’, *duy-* ‘to hear’, *koy-* ‘to put down’, etc. as comprising the affix *-y*, which is an unproductive affix in Modern

Turkish and appears to have become /y/ from the original *-(l)d* form. Erdal (1991: 642-644) discusses an obsolete *-(X)d* formative in Old Turkish which was used to produce middle intransitives from transitive verbs and states that some Old Turkish verbs such as *bud-* 'to be cold; to freeze to death', *sid-* 'to urinate', *sud-* 'to spit', *tod-* 'to be or become satiated' which denote states and activities of the body and the mind are derived with this formative. Tietze (402) makes a similar claim and draws attention to the fact that though some words appear to be etymologically related such as *bud-* 'to be cold' and *buz* 'ice', as no *\*bu-* verb root has been encountered in Turkic languages the affixal classification of *-d* is somewhat tenuous. Nonetheless, he argues that the presence of forms such as *doy-* (OT *\*tod-*) 'to be satiated' and *tok-* 'be full' suggest a *\*to-* root, and the words *siy-* 'to urinate', *sidik* 'urine' and *sik* 'penis' suggest a root *\*si-* from which all the mentioned forms were derived. As for some other verbs listed as *-y* verbs in our study such as *duy-*, *kay-*, *kıy-*, *koy-*, it is evident that they all derive from the rare formative *-(X)d*. For instance, Clauson (1972: 567) indicates that the verb *duy-* 'to perceive; to hear' comes from OT *\*tud-*, the verb *kay-* from OT *\*ka:d-* with the basic meaning 'to bend' or 'to turn oneself' (Clauson 1972: 674). Clauson (1972: 595) further points out that *koy-* in OT was *\*kod-* and was derived from the root *\*ko-*, which originally meant 'to put down'; and, finally, the verb *kıy-* is derived from *\*kid-* 'to cut into small pieces'. Based on these observations we have classified all *-y* ending verbs of Turkish as derived forms and listed them in Appendix 2a (34) as morpheme-bearing units.

Let us now turn to a discussion of the (C)VCC type monosyllabic verbs and start out with the status of the CVrp type monosyllabic verbs. The verbs *çarp-* 'to strike', *çirp-* 'to tap', *kirp-* 'to clip' and *serp-* 'to sprinkle' are the only monosyllabic verbs of Turkish ending in the cluster /rp/. Information coming from the etymological origins of these verbs reveals that there has been an /r/-insertion in the verbs *çarp-*, *çirp-* and *serp-*. For instance Tietze (2002: 478) points out that *çarp-* has derived from the OT verb root *\*çap-* and the verb *çirp-* is a variant of the verb *çarp-*. As for the verb *serp-*, he makes a similar observation and argues that it has derived from *\*sep-*. The verb *kirp-*, however, appears to be challenging with respect to its classification. On the one hand, one can posit that the verb root was originally *\*kap-* and as a result of /r/-insertion has become *kirp-* over time just like the previous instances. On the other hand, as Tietze speculates, bringing forth the *aslan* < *arслан* 'lion' example where the sonorant /r/ is agreed to have dropped over time, the verb *kirp-* may have derived from the root *kirp-* as a result of /r/-deletion. Another view about /rp/-ending verbs comes from Korkmaz (2003), where she argues that *p-* was a reduplicative affix in Old Turkish. As the affixal status of /p/ is dubious, we have treated these verbs as a separate class under bare roots. A further piece of evidence supporting our decision follows from an observation of Tietze (2002: 496), where he extends his claims about /r/-insertion in /rp/-ending verbs to /rt/ and /rk/ ending monosyllabic verbs such as *kert-* 'to notch' and *sark-* 'to dangle' and suggests that all these verbs indicate an /r/-insertion rather than deletion. More precisely, *kert-* is argued to have derived from *ket-* and *sark-* from the OT *< \*sak-*.

Monosyllabic verbs of the (C)Vr/nt and (C)Vr/lk type present further challenges. As for the nine monosyllabic (C)Vr/nt verbs of Turkish, such as *art-* ‘to increase’, *dürt-* ‘to poke’, *ört-* ‘to cover’, Banguoğlu (1986) argues for the presence of the affix *-(I)t* and claims that it is the drop of the vowel in the second syllable that yielded such verbs. Clauson (1972) and Tietze (2002) depart from Banguoğlu and show that the etymological origins of *art-* (Clauson 1972: 201), *dürt-* (Tietze 2002: 675), *ört-* (Clauson 1972: 205), *sürt-* (Clauson 1972: 846), *tart-* (Clauson 1972: 534) and *yirt-* (Clauson 1972: 958) do not indicate that the verbs are derived at all, i.e., there is no mention of an affix in the form of *-(I)t*. As for the verbs *çent-* ‘to nick’ and *kert-* ‘to notch’, sonorant insertion, more precisely the insertion of /n/ in *çent-*, which is argued by Tietze (2002: 496) to have derived from the root *\*çet/çit*, and /r/-insertion in *kert-* appear to be at issue, hence there is again no sign of an affix. The last verb belonging to this category is *yont-* ‘to carve’. Clauson (1972: 942) states that the verb was originally *yon-* in Old Turkish but is being used as *yont-* in Turkish, and does not account for the final /t/. As there is no mention of an affix in the discussion of the verb *yont-* either, we have listed the verb under bare roots. Like /r/ ending verbs, /r/nt/ ending monosyllabic verbs have been listed in Appendix 2a under bare roots as a separate category.

The final type of monosyllabic verbs containing a consonant cluster is the group of seven /r/ ending verbs of Turkish, i.e., *burk-*, *kalk-*, *kirk-*, *kork-*, *sark-*, *silk-* and *ürk-*. A close investigation of these verbs also reveals that except for *sark-* ‘to dangle’ from OT *\*sak-* which exhibits /r/ insertion, the verbs at issue do not appear to bear any affix. For instance *kork-* ‘to be afraid’ is considered to be derived from *kori-* or *\*kori-k-* with the original meaning ‘to protect oneself’ (Erdal 1991: 646). Clauson (1972: 651) indicates that in all Turkic languages and periods what was common is the form *\*koruk-* ‘to fear’. In the verb *silk-* ‘to shake stg.’ which is reported to survive in all Turkic languages as *silk-*, *silik-* and *silki-* (Clauson 1972: 826), *ürk-* (Clauson 1972: 221) ‘to be startled, scared, frightened’ and *burk-* ‘twist’ (Clauson 1972: 360) there is no evidence for any affix. Finally in the discussion of *kark-*, which is argued to be the emphatic form of *kır-* ‘to shear’, and *kalk-*, which is assumed to be related to *\*kalık*, the emphatic form of *kalı-* (Clauson 1972: 619), we see some indication of an affix; however, we do not think that there is strong evidence for treating these verbs as bearing affixes.

Three other verb forms of the CVCC type which deserve attention are *sars-*, *sürç-* and *tırs-*. We have classified *sars-* ‘to ill-use’ as a *-sI* verb following Clauson (1972: 854-55), who argues that there is a clear semantic connection between *\*sa:r-* ‘to ill-use (someone)’ and *sarsı:-* ‘to be harsh, rough’, which he concludes is best explained as a simulative of *sa:r* (843). The lack of mention of an affix in the formation of *sürç-* ‘to stumble’ (Clauson 1972: 845) as well as any discussion of the verb *tırs-* ‘be seized with fright and give up on stg.’ in the sources consulted, led us to list these verbs under bare roots as verbs of unknown status.

## 2.2 Verbal stems of Turkish

We have observed that Turkish verbs fall into 34 distinct verb classes based on their morpheme-bearing properties. These classes are *-A*, *-(A)l*, *-AlA*, *-An*, *-Ar*, *-ArIA*, *-At*, *-DA*, *-DAr*, *-I*, *-Ik*, *-I/AklA*, *-IksA*, *-Il*, *-ImSA*, *-In*, *-Ir*, *-IrgA*, *-IşlA*, *-İştIr*, *-It*, *-KI*, *-KIn*, *-KIr*, *-lA*, *-lAn*, *-lAş*, *-nA*, *-rA*, *-sA*, *-s(I)*, *-sIn* and *-y*. Verbs belonging to each of these morpheme types are alphabetically grouped in Appendix 2a.

We have pursued a further classification with respect to the most productive affixes, namely *-lA*, *-lAn*, and *-lAş* affixes of Turkish and classified verbs derived by these affixes, on the basis of whether they are affixed to nominal, adjectival or adverbial roots.

We have offered four subcategories of *-lA* verbs: *-lA* verbs derived by affixation to noun roots (e.g. *arzu+la-* ‘to desire’, *hedef+le-* ‘to aim at’) are listed in (25.1); *-lA* verbs derived by affixation to adjective roots rendering transitive verbs (e.g. *ak+la-* ‘to acquit’, *diş+la-* ‘to exclude’, *temiz+le-* ‘to clean’) are given in 25.2(i); a list of adjective roots rendering intransitive verbs e.g. *afal+la-* ‘to be flabbergasted’, *şiş-man+la-* ‘to gain weight’) is given in 25.2(ii); and finally section 25.3 comprises a list of adverbial roots from which *-lA* verbs are derived, such as *nice+le-* ‘to quantify’, *yine+le-* ‘to repeat’. As for the verbs which are derived by the affixation of *-lA* to nouns, it is possible to categorize them under many subclasses regarding their semantic properties such as *verbs of containment*: *depola-* ‘to store’, *dosyala-* ‘to file’, *fiçila-* ‘to barrel’ and *kutula-* ‘to box’, which are derived from the nouns *depo* ‘depot’, *dosya* ‘file’, *fiçi* ‘barrel’, *kutu* ‘box’ respectively; or verbs denoting activities carried out by use of a certain tool such as *çapa* ‘hoe’ in *çapala-* ‘to hoe’, *çekiç* ‘hammer’ in *çekiçle-* ‘to hammer’, *diş* ‘teeth’ in *dişle-* ‘to bite’, *tırmık* ‘scythe’ in *tırmıkla-* ‘to scythe’. However, we have not pursued such a detailed classification since classifications of that sort, though nonexhaustive, are available in Banguoğlu (1986) and Korkmaz (2003). We have, however, sorted out verbs which are derived with the affixation of *-lA* to onomatopoeic words. Thus verbs such as *ciyak+la-* ‘to squeal’, *çağ+la-* ‘to ripple’, *gür+le-* ‘to roar’, *hor+la-* ‘to snore’, *tıs+la-* ‘to hiss’ are listed in Appendix 2a (25.4). A final class of *-lA* verbs that are sorted in this study comprises verbs which look like *-lA* verbs, i.e., they appear to bear the affix *-lA*, but the roots to which this affix is attached are mostly bound and nontransparent in meaning, as can be seen in Appendix 2a (25.6). Verbs such as *an+la-* ‘to understand’, *bek+le-* ‘to wait’, *din+le-* ‘to listen’, *öz+le-* ‘to long for’ are listed under this category, and information available on the etymological origins of some of these verbs is provided in endnote (14).

For verbs derived by the affixes *-lAn* and *-lAş*, several subclasses have been offered in an effort to provide semantic distinctions among verbs. Noun+ *-lAn* verbs have been observed to fall into two subclasses: Verbs such as *akıl+lan-* ‘to become wiser; to come to one’s senses’, *bilinç+len-* ‘to become conscious’, *heves+len-* ‘to become eager to do stg.’, *sinir+len-* ‘to become irritated’ which denote processes, in particular the point reached at the end of the process, are listed in Appendix 2a

(26.1); verbs such as *ağa+lan-* ‘to lord it over someone’, *dayı+lan-* ‘to swagger’, *horoz+lan-* ‘to bluster’, *kabadayı+lan-* ‘to bully’, in which certain nouns are attached to the affix *-lan*, rendering the reading ‘to behave in a certain manner’, have been classified in Appendix 2a (26.2). Furthermore *-lan* verbs which are formed by onomatopoeic roots such as *böbürlen-* ‘to boast’, *mızızlan-* ‘to whine; to make a fuss about trifles’, *seslen-* ‘to call’ are listed in Appendix 2a (26.4).

We have also pursued a subcategorization in the classification of Noun +*laş* verbs and classified these verbs as change of state verbs and verbs denoting reciprocity. In Appendix 2a (27.1.1) verbs of change of state, such as *acı+laş-* ‘to become bitter’, *çöl+leş-* ‘to become desert-like’, *fosil+leş-* ‘to fossilize’, *pihtı+laş-* ‘to coagulate’, *siyah+laş-* ‘to blacken’, have been listed. Noun + *laş-* verbs denoting reciprocity, such as *dert+leş-* ‘to pour out one’s grief to another’, *haber+leş-* ‘to correspond’, *hal+leş-* ‘to confide troubles to one another’, *şaka+laş-* ‘to joke with one another’, *yardım+laş-* ‘to help one another’ are listed in Appendix 2a (27.1.2).

In what follows we will outline the content of Appendix 2b. Though Turkish is commonly held to dissociate between noun, adjective and verb roots in well-defined ways, there are some adjective and noun roots such as *ağrı* ‘pain’, *boya* ‘paint’, *damla* ‘drop’, *ekşi* ‘sour’, etc. which are identical to verb roots. Tietze (2002: 84) points out that in Old Turkish the morpheme *-(l)g* was used to derive verbs from nouns. The drop of the phoneme /g/, as stated in Tietze, rendered verb and noun/adjective forms which are alike such as *acı*, *ağrı*, *bavlı*, *boya*, *damla*, *tat*, *ekşi* and *eski*. With that background, we categorize such verbs as verbs that are identical to noun roots and verbs that are identical to adjective roots in Appendix 2b (1&2). In the same appendix we have also listed some of the compound verbs of Turkish such as *et-* compounds, *eyle-* compounds, *ol-* compounds as listed in the TDK dictionary. As mentioned earlier, compiling the entire compound verb lexicon of Turkish is beyond the scope of this study. Hence in the present work, we have restricted ourselves only to compound verbs which assume a distinct status in the dictionary as being written as a separate entry where the nominal and the auxiliary are joined up. Thus *et-*, *ol-* and other compound verbs which do not have an entry status in the dictionary are not within the scope of this study. More precisely, *et-* verbs such as *affet-* ‘to forgive’, *bahset-* ‘to mention’, *emret-* ‘to command’, *katlet-* ‘to kill’ are included, but nominal compounds in which the nouns and the verbs are not joined up such as *dua et-* ‘to pray’, *nefret et-* ‘to hate’, *yardım et-* ‘to help’ are not covered. The number of all compound verbs of Turkish must be in the order of thousands. Sev (2001), investigating the *et-* compounds of Turkish, concludes that there are about 2000 *et-* compounds in Turkish. Needless to say, a quantitative study of the other compound verbs such as *yap-* ‘to do’, *çek-* ‘to pull’, etc. is needed to determine the exact verb count of Turkish.

Verbs derived by voice affixes such as *reflexive* verbs, *reciprocal* verbs and *causative* verbs have been listed in Appendix 2c. This appendix excludes passive as a voice affix as passivized verbs have an invariant passive reading. As for reflexive, reciprocal and causative verbs, we have observed considerable variation as the verbs

in question behave differently both with respect to their morphemic properties and the readings they convey. This has given rise to a thorough semantic analysis of reflexive, reciprocal and causative verbs. The analysis of reflexivized and causativized verbs has shown that there are several bound roots in Turkish that surface when they are attached to the reflexive or the causative morpheme. To cite a few examples, the roots *avu-*, *dire-*, *kuşa-*, *öğre-*, *tüke-*, which cannot stand alone and hence cannot be listed as a separate entry in the dictionary, surface in the form of reflexivized or causativized forms as in *avun-* ‘to have one’s mind taken off stg.’/ *avut-* ‘to console’, *diren-* ‘to resist’/ *diret-* ‘to insist’, *kuşan-* ‘to gird oneself’/ *kuşat-* ‘to surround; to besiege’, *öğren-* ‘to learn’/ *öğret-* ‘to teach’, *tüken-* ‘to be exhausted’/ *tüket-* ‘to consume’ in Turkish. Similarly the bound roots *alda-* and *yelte-*, which are *-DA* verbs, surface only in reflexivized and/ or causativized forms as *alda-n-* ‘to be deceived’/ *alda-t-* ‘to deceive’ and *yelte-n-* ‘to attempt’. Further examples of such bound roots come from the roots *dada-*, *kaza-* and *ya-*, which when reflexivized, form the verbs *dadan-* ‘to acquire a taste for’, *kazan-* ‘to earn’, and *yan-* ‘to burn’.

To illustrate the need for a detailed consideration of reflexive and causative verbs, let us consider some affix types which allow for reflexivization or causativization only for some of the verbs derived by the affix. For instance, as Appendix 2a (3) shows, there are 27 verbs derived by the affix *-ALA* in Turkish such as *çab+ala-* ‘to endeavour’, *gev+ele-* ‘to hum and haw’, *it+ele-* ‘to keep on pushing’. Of these verbs only 11 can undergo reflexivization such as *hırpalan-* ‘to be buffeted about’ from *hırpala-* ‘to illtreat’, *oyalan-* ‘to keep oneself amused in order to ward off boredom’ from *oyala-* ‘to put someone off to gain time’. When we take a look at *-ALA* verbs that are causativized, we observe again that only 11 verbs can be causativized -see Appendix 2c (3.3.4). For example, an *-ALA* verb such as *çisele-* ‘to drizzle’ cannot be causativized nor can a verb such as *serpele-* ‘to sprinkle down’.

A study of the reflexivized forms of *-ALA* verbs also reveals bound roots such as *debele-*, which appears in the dictionary only when it is reflexivized as in *debelen-* ‘to struggle and kick’. As for the causativized verbs, two examples deserve special mention: *höpürdet-* ‘to slurp’ and *çiziktir-* ‘to jot’. These verbs are also bound roots which, when affixed with the causative morphemes *-t* and *-Dir* respectively, become full-fledged verbs. Therefore a careful segmentation of verbs as to whether they can be attached to the reflexive or the causative morphemes has revealed both the bound roots that surface only in reflexivized and/ or causativized stems and the number of verbs that can undergo these processes.

Most of the affixes used to derive verbs in Old Turkish appear to have survived into Modern Turkish. With respect to the morphemes they possess and the meanings of the morphemes, a thorough comparison of Modern Turkish with Old Turkish is well beyond the scope of this study. Nonetheless, we seek to provide a general overview. Therefore in Section 3 below we intend to lay out some of the similarities and differences between Modern Turkish and Old Turkish.



### 3. Verb deriving affixes: A comparison of Modern Turkish with Old Turkish

As indicated in Erdal (1991) in Old Turkish (OT) the most productive verb deriving affix, as in Modern Turkish (MT), is the affix *-lA*. (1a) below gives some examples derived by the affix *-lA* which are obsolete in MT.

- (1) *kālin-lā-* ‘to provide (a young man) with a bride’, *kuş-la-* ‘to hunt birds’, *ori-la-* ‘to shout’, *övkē-le-* ‘to get angry’, *talū-la-* ‘to choose’, *tanuk-la-* ‘to become a witness’, *üdgü-le-* ‘to measure’, *yer-le-* ‘to settle’, *yıd-la-* ‘to smell’, *yıg-la-* ‘to cry’, etc.

Another productive affix of OT, as stated in Erdal (1991: 418), is the transitivizing affix *-A* which derives verbs from adjectives/ nouns and has a similar function and meaning to the affix *-lA*. The affix *-A* departs from the affix *-lA* in that unlike the affix *-lA*, which can only be attached to native and nonnative roots, the affix *-A* is attached to native Turkish roots ending in consonants. Examples of *-A* verbs, adapted from Erdal (1991), used in both Modern Turkish and Old Turkish are given in (2a). As the examples indicate, while most verbs still have a transitive function in Modern Turkish, the verb *kana-* ‘to bleed’ is used intransitively. (2b) lists some *-A* verbs which are again obsolete in Modern Turkish.

- (2) a. *at-a-* ‘to nominate’, *benz-e-* ‘to resemble’, *gevş-e-* ‘to soften; to ruminate’, *kan-a-* ‘to bleed a person or animal’, *oyn-a-* ‘to play’, *sin-a-* ‘to acquire experience of; test’, *yaş-a-* ‘to live’  
b. *aş-a-* ‘to eat’, *igid-e-* ‘to lie’, *öç-e-* ‘to desire revenge’

Another affix which has functions similar to *-A* and *-lA* verbs and which is known to be widely used in Old Turkish is the affix *-DA*. In Modern Turkish, except for the onomatopoeic verbs such as *civil-da-* ‘to chirp’, *horul-da-* ‘to snore’, we observe the affix only in the verbs *is-te-* ‘to want’, *bağ-da-* ‘to tangle’, *fingir-de-* ‘to behave frivolously’ and *sap-ta-* ‘to confirm’. Erdal (1991: 457) observes that the onomatopoeic *-DA* verbs in Old Turkish such as *turpıl-da-* ‘to quack’, *yelkül-de-* ‘to tremble’ differ from verbs such as *is-te-* ‘to want’ in the sense that the *-DA* affix in the former may come from the verb *de-* ‘to say’. In (3) below some *-DA* verbs of OT which are obsolete in MT are given.

- (3) *ün-te-* ‘to call’, *til-ta-* ‘to make excuses’, *ok-ta-* ‘to shoot an arrow at something’  
(adapted from Erdal 1991: 455-457)

A further affix that needs consideration is the affix *-(I)rKA* which according to Erdal (1991: 458) was a productive affix in OT used to denote feelings and sensations. In MT there are only four *-(I)rKA* verbs as listed in (4a). Some *-(I)rKA* verbs of OT as discussed in Erdal (459-63) are given in (4b).

- (4) a. *basırğa-* ‘to feel uneasy’, *esirge-* ‘to protect from’, *indirge-* ‘to reduce’, *yadırğa-* ‘to find stg. strange’  
 b. *äsi-rke-* ‘to regret the loss of a thing’; *özi-rke-* ‘to regard as one’s own’  
*tañ-ırka-* ‘to find something astonishing’

Two affixes attached to onomatopoeic words, namely the affixes *-KIr* and *-rA* were productive affixes of OT. The affix *-KIr* denoting substance or sound emission as in the MT verbs *fiş+kır-* ‘to gush’, *hay+kır-* ‘to bawl’, *püs+kür-* ‘to spout’ can also be observed in the OT verbs exemplified in (5).

- (5) *ka-kır-* ‘to clear one’s throat’, *sı-kır-* ‘to whistle’, *üş-kır-* ‘to hiss’

As for the morpheme *-rA*, in Modern Turkish, we observe the affix in the verbs *kük-re-* ‘to roar’ and *şak-ra-* ‘to sing loudly’. Some examples of the occurrence of this affix in OT are given in (6).

- (6) *mañ-ra-* ‘to shout’, *müñ-re-* ‘to belch’, *koñ-ra-* ‘(of male voice) to deepen during puberty’, *kald-ra-* ‘to rustle (of a garment)’

There are also verb deriving affixes which MT lacks but which are attested in OT. Two interesting examples that can be given for such affixes are *-s(I)rA* and *-İmsIn*. According to Erdal (1991: 507) the affix *-s(I)rA* denotes ‘the lack or loss of something’ as in the OT examples in (7).

- (7) *kagan-sıra-* ‘to lose one’s kagan’, *ög-sire-* ‘to become or be unconscious’  
*küç-sire-* ‘to lack or lose strength’, *söz-sire-* ‘to shut up’

The simulative *-İmsIn* which MT lacks, however, was used to describe an action as mere pretense as in the examples in (8) (Erdal 1991: 531).

- (8) *kıl-ımsın-* ‘to pretend to be doing something’; *övke-le-msin-* ‘to pretend to be angry’,  
*yıgla-msın-* ‘to pretend to cry’

We would like to conclude this section with a discussion of another interesting discrepancy between MT and OT which is exhibited in the intransitive forming affixes *-I* and *-U* (Erdal (1991:474)). The not very productive OT affix *-U* is known to denote change of state verbs and is argued to constitute a subclass of *-I* verbs which have various other meanings in addition to denoting change of state. As the examples in (9) illustrate the *-U* affix of OT is replaced with the *-Al* and *-laş* affixes in Modern Turkish.

- (9) OT *\*agr-u-* / MT *ağırlaş-* ‘to be or become heavy’, OT *\*az-u-* / MT *az-al-* ‘to become less’, OT *\*boş-u-* / MT *boş-al-* ‘to become empty’, OT *\*kaln-u-* / MT *kalın-laş-* ‘to become thick’

The *-I* verbs, however, in addition to denoting change of states as in (10a), can denote various other meanings as illustrated in (10b).

- (10) a. *öl-i-* ‘to be or to get moist’, *sâmr-i-* ‘to be or become fat’, *yavr-i-* ‘to be or become weak’  
 b. *kan-t-* ‘to bleed (int)’, *yıld-t-* ‘to smell’, *sekr-i-* ‘to hop’

As stated earlier, a thorough comparison of the current stage of Turkish with the earlier stages has not been attempted here, rather we have sought to give an overview of some affixes used in MT which are hard to treat as affixes unless accompanied by etymological information coming from the OT sources.

#### 4. Discussion and conclusion

The present study, as the first complete lexicon of Modern Turkish verbs where verbs are morphemically segmented, has shown that there are about 4700 verbs in Turkish which fall into 34 morphemic categories. As table 1 illustrates, the four most productive verb deriving affixes of Modern Turkish are *-IA*, *-IAş*, *-IAn* and *-DA*.

A quick look at table 1 reveals that only the first six affix types, i.e. *-IA*, *-IAş*, *-IAn*, *-DA*, *-In* and *-Il*, have over 60 verbs. In the remaining 28 affix types, the affix and the verb root are so coalesced that a native speaker of Turkish would not be able to consider as an affix the affix *-A* in the verb *oyın-a-* ‘to play’, or the affix *-U* in *büy-ü* ‘to grow’, the affix *-DA* in the verb *is-te-* ‘to want’, the affix *-Ir* in *ot-ur-* ‘to sit’, the affix *-KI* in *o-ku-* ‘to read’, the affix *-KIr* in *ba-ğır-* ‘to shout’, *-nA* in *çiğ-ne-* ‘to chew’, the affix *-rA* in *kük-re-* ‘to roar’, or the affix *-sI* in the verb *yan-sı-* ‘to reflect’.

Table 1. Verbal affix types and number of verbs

Affix type	Number of verbs	Affix type	Number of verbs
1. <i>-IA</i>	953	18. <i>-y</i>	15
2. <i>-IAş</i>	615	19. <i>-It</i>	14
3. <i>-IAn</i>	362	20. <i>-KIr</i>	13
4. <i>-DA</i>	87	21. <i>-rA</i>	11
5. <i>-In</i>	66	22. <i>-DAr</i>	6
6. <i>-Il</i>	64	23. <i>-s(I)</i>	6
7. <i>-A</i>	52	24. <i>-ArIa</i>	5
8. <i>-Ir</i>	40	25. <i>-At</i>	5
9. <i>-IU</i>	30	26. <i>-nA</i>	4
10. <i>-AI</i>	32	27. <i>-(I)k</i>	5
11. <i>-sA</i>	31	28. <i>-IrgA</i>	4
12. <i>-AIA</i>	30	29. <i>-sIn</i>	4
13. <i>-IştIr</i>	26	30. <i>-KI</i>	2

14. -Ar	26	31. -KIn	2
15. -An	21	32. -IksA	1
16. -I/AkIA	15	33. -İşIA	1
17. -ImS A	15	34. Et-+IA	1

A verb database of Turkish can serve as an important resource not only in morphological processing studies but also in retrograde morphemic analyses and frequency based analyses of both language use and language acquisition.

The finding that the number of monosyllabic verbs does not exceed 221 but that multisyllabic verbs number in the thousands has important implications for language acquisition studies. Nakipoğlu & Ketrez (2006), for instance, has shown that the ratio of monosyllabic verbs to multisyllabic verbs appears to cue the child in the choice of allomorphs regarding the Turkish aorist. As is well known, Turkish multisyllabic verbs are affixed with *-Ir* in the aorist as opposed to monosyllabic verbs, which are attached the affix *-Ar*. 13 monosyllabic verbs in Turkish, however, distort this rule-governed distribution, yielding forms where monosyllabic verbs are attached to *-Ir* rather than *-Ar*, such as *al-ir* 'takes', *ver-ir* 'gives'. Nakipoğlu & Ketrez (2006), studying the path the children follow in the acquisition of aorist has revealed that in early acquisition, Turkish-speaking children produce mainly monosyllabic verbs and have a tendency to use the affix *-Ar* even with the irregularly behaving 13 monosyllabic verbs, yielding errors such as *\*al-ar* 'takes', *\*ver-er* 'gives'. Children's choice of the affix *-Ar* with *-Ir* taking monosyllabic verbs appears to be shaped by frequency. The developmental path that children exhibit in the acquisition of aorist further adds to this frequency-dependent acquisition. In particular, Nakipoğlu & Ketrez (2006) have observed that with an expanding verb lexicon, which correlates with the acquisition of more multisyllabic verbs, children encounter more *-Ir* exemplars. More *-Ir* exemplars, however, leads to a reconsideration of the affix that is attached to monosyllabic verbs, where children start producing errors such as *\*kır-ır* 'breaks' for *kır-ar* and *\*sür-ür* 'rides' for *sür-er*. We think databases like the one this study provides can serve as an invaluable resource for eliciting the role frequency plays in acquisition studies.

To conclude, with this study we have aimed to deepen our understanding of the morphological structuring of Turkish verbs and morpheme frequency pertaining to verbs. A database to be constructed for compound verbs of Turkish in future work will be a great contribution to determining the exact verb count of Turkish.

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## Appendix 1

### Monosyllabic verbs in Turkish

#### A

Aç-, ağ-, ak-, al-, an-, art-, as-, aş-, at-, az-

#### B

Bak-, ban, bas-, bat-, bay-, bez-, bıç-, biç-, bil-, bin-, bit-, boğ-, boz-, böl-, bul-, bur-, burk-,  
bük-, büz-

#### C

Cay-, coş-

#### Ç

Çak-, çal-, çarp-, çat-, çek-, çel-, çık-, çırp-, çit-, çiz-, çöz-, çök-

#### D

Dal-, de-, del-, deş-, dik-, dil-, din-, dit-, diz-, doğ-, dol-, don-, doy-, dök-, dön-, döv-, dur-,  
duy-, dür-, dürt-, düş-, düz-

#### E

Eğ-, ek-, em-, er-, es-, eş-, et-, ez-

#### G

Geç-, gel-, ger-, gez-, gir-, git-, giy-, göç-, göm-, gör-, gül-, güt-

#### İ

İç-, il-, in-, it-, iv-

#### K

Kaç-, kak-, kal-, kalk-, kan-, kap-, kar-, kas-, kat-, kay-, kaz-, kert-, kes-, kıl-, kıp-, kır-, kırk-,  
kırp-, kıs-, kıy-, kız-, kok-, kon-, kop-, kork-, koş-, kov-, koy-, kur-, kus-, küs-

**O**

Ol-, on-, ov-, oy-

**Ö**

Öl-, ölç-, öp-, ör-, ört-, öt-, öv-

**P**

Piş-, pus-

**S**

Saç-, sağ-, sal-, san-, sap-, sar-, sark-, sars-, sat-, sav-, say-, seç-, sek-, ser-, serp-, sev-, sez-, sik-, sıç-, sığ-, sık-, sız-, sil-, silk-, sin-, sok-, sol-, sor-, soy-, sök-, sön-, söv-, sun-, sus-, sün-, sür-, sürç-, sürt-, süs-, süz-

**Ş**

Şiş-, şaş-

**T**

Tak-, tap-, tart-, taş-, tat-, tep-, tık-, tın-, tırs-, toz-, tut-, tüt-, tüy-

**U**

Uç-, um-, uy-

**Ü**

Ürk-, üz-

**V**

Var-, ver-, vur-

**Y**

Yağ-, yak-, yan-, yap-, yar-, yas-, yat-, yay-, yaz-, ye-, yen-, yer-, yet-, yığ-, yık-, yıl-, yırt-, yit-, yol-, yont-, yor-, yum-, yut-, yüz-

**Appendix 2a****A morpheme-based classification of Turkish verbs**

0. Bare roots		
aç- 'open'	es- 'blow'	seç- 'choose'
ağ- 'dangle; descend'	eş- 'dig lightly'	sek- 'hop'
ak- 'flow'	et- 'do'	ser- 'spread out'
al- 'take'	ez- 'crush'	sev- 'like'
an- 'call to mind'	geç- 'pass'	sez- 'perceive'
as- 'hang'	gel- 'come'	sıç- 'defecate'
aş- 'pass over'	ger- 'stretch'	sığ- 'go into; fit'
at- 'throw'	gez- 'travel'	sık- 'squeeze'
az- 'go astray'	git- 'go'	sız- 'ooze; infiltrate'
bak- 'look'	göç- 'migrate'	sik- 'fuck'
ban- 'dip into; dunk'	göm- 'bury'	sil- 'wipe'
bas- 'publish; raid'	gör- 'see'	sin- 'penetrate'
bat- 'sink'	gül- 'laugh'	sok- 'insert'
bez- 'be tired of stg.'	güt- 'nurse; lead'	sol- 'fade'
bık- 'get bored with'	iç- 'drink'	sor- 'ask'
biç- 'cut (up); mow'	il- 'tie one thing loosely to another'	sök- 'pull up'
bil- 'know'	in- 'descend'	saç- 'scatter'
bin- 'mount'	it- 'push'	sön- 'deflate; wane'
bit- 'end; cease'	iv- 'be in a hurry'	söv- 'curse'
boğ- 'choke; strangle'	kaç- 'flee'	sun- 'offer'
boz- 'destroy, spoil'	kak- 'push, emboss'	sus- 'be silent'
böl- 'divide'	kal- 'stay'	sün- 'stretch; elongate'
bul- 'find'	kan- 'be satiated'	sür- 'rub on; drive'
bur- 'twist'	kap- 'snatch'	süs- 'butt, toss'
bük- 'wring'	kar- 'shuffle; mix'	süz- 'strain'
büz- 'ruffle'	kas- 'stretch tight'	şaş- 'be suprised'
coş- 'gush'	kat- 'add'	şiş- 'swell'
çak- 'drive in by blows; nail'	kaz- 'dig'	tak- 'attach; put on'
çal- 'play an instrument; steal'	kes- 'cut'	tap- 'worship'
çap- 'rush'	kıl- 'do; perform'	taş- 'overflow'
çat- 'scold'	kıp- 'wink'	tep- 'kick'
çek- 'pull; draw'	kır- 'break'	tik- 'squeeze into'
çel- 'trip'	kıs- 'cut down'	tın- 'make a sound'
çık- 'exit; break out'	kız- 'get angry'	toz- 'saunter about'
çit- 'put together/ darn'	kok- 'smell'	tut- 'hold'
çiz- 'draw'	kon- 'alight; settle'	tüt- 'smoke'
çök- 'collapse'	kop- 'snap; set out'	uç- 'fly'
çöz- 'untie; solve'	koş- 'run'	um- 'hope'
dal- 'dive'	kov- 'drive away'	üz- 'worry'
de- 'say'	kur- 'set up'	var- 'arrive'
del- 'pierce'	kus- 'vomit'	ver- 'give'
deş- 'dig up; rip'	küs- 'be offended'	vur- 'hit'
dik- 'stitch; erect; plant'	ol- 'be'	yağ- 'rain'
dil- 'slice'	on- 'heal up'	yak <sup>1</sup> - 'burn'
din- 'stop; pass off'	ov- 'rub with the hand'	yap- 'make'
dit- 'pick into fibres; tease'	öl- 'die'	yar- 'split'
diz- 'arrange in a row; string'	ölç- 'measure'	yat- 'lie down'
doğ- 'be born'	öp- 'kiss'	yaz- 'write'
dol- 'fill'	ör- 'knit'	ye- 'eat'
don- 'freeze'		yen- 'win/overcome'



dök- 'pour'	öt- 'chirp'	yer- 'criticize'
dön- 'turn'	öv- 'praise'	yet- 'suffice'
döv- 'beat'	piş- 'be cooked'	yığ- 'pile up'
dur- 'stop'	pus- 'crouch down'	yık- 'demolish'
dür- 'roll up'	sağ- 'milk'	yıl- 'dread'
düş- 'fall'	sal- 'let go'	yit- 'be lost'
düz- 'arrange; counterfeit'	san- 'suppose'	yol- 'pluck'
eğ- 'bend'	sap- 'deviate'	yor- 'tire'
ek- 'sow'	sar- 'wind/wrap'	yum- 'shut'
em- 'suck'	sat- 'sell'	yut- 'swallow'
er- 'reach'	sav- 'dismiss'	yüz- 'swim'

## i. CVrp roots

çarp- 'strike; bump; palpitate'	kırp- 'clip; trim'
çarp- 'tap, pat'	serp- 'sprinkle slightly'

## ii. (C)Vrt roots

art- 'increase'	sürt- 'rub'	yirt- 'tear'
dürt- 'poke'	tart- 'weigh'	yont- 'chip; chisel'
ört- 'cover'		

## iii. CVck root

burk- 'twist'	kork- 'be afraid'	silk- 'shake off'
kalk- 'stand; rise'	sark- 'hang down'	ürk- 'flinch'
kırk- 'shear; clip'		

## iv. CVC roots which have undergone sonorant insertion

çent- 'nick'	kert- 'notch'	sark- 'dangle'
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## v. CVCC roots with unknown status

sürç- 'stumble; slip up'	yont- 'carve'
turs- 'be seized with fright and give up on stg.'	

1. -A verbs<sup>2</sup>

ada- 'vow'	döşe- 'lay down; spread'	öde- 'pay'
ara- 'search'	düze- 'administer dosage;	sına- 'try'
ata- 'appoint'	'(chem) prepare (a for-	sıva- 'plaster'
benze- 'resemble'	mula)'	tara- 'comb'
beze- 'adorn'	ele- 'eliminate'	tıka- 'plug; gag'
bile- 'sharpen'	ene- 'castrate'	tüne- 'perch'
boşa- 'divorce'	esne- <sup>3</sup> 'yawn'	türe- 'spring up suddenly'
buda- 'prune'	gevşe- 'relax'	uğra- 'stop by'
bula- 'smear'	harca- 'spend'	ula- 'join one thing to another'
buna- 'become senile'	işe- 'urinate'	uza- 'grow longer'
çalka- 'rinse'	kana- 'bleed'	üre- 'reproduce'
çise- 'drizzle'	kapa- 'close'	yala- 'lick'
dala- 'bite; sting'	kına- 'reproach'	yama- 'patch'
daya- 'prop up'	koca- 'grow old'	yara- 'be of use'
dene- 'try'	küre- 'shovel up'	yasa- 'legislate'
dile- 'wish for'	okşa- 'caress'	yaşa- 'live'
dola- 'encircle; wind round'	ona- 'approve'	yıka- 'wash'
dona- 'deck'	oyna- 'play'	yumuşa- 'soften'

2. -(A)l verbs<sup>4</sup>

alçal- 'descend'	dönel- 'descend having reached the peak'	sertel- 'become violent'
ayrıl- 'separate'	düzel- 'ameliorate'	seyrel- 'thin out'
azal- 'decrease'	eğril- 'bend'	sivril- 'become pointed/prominent'
boşal- 'empty oneself'	eksil- 'diminish'	şenel- 'become cheerful'
bunal- 'be distressed'	gencel- 'become youthful'	tümsel- 'become round'
çoğal- 'increase'	incel- 'slim'	ufal- 'dwindle away'
çökel- 'subside'	kısal- 'shorten'	yamal- 'camouflage'
çömel- 'squat down'	kocal- 'grow old'	yönel- 'tend'
daral- 'become narrow'	körel- 'become blunt'	yücel- 'become high; rise'
diril- 'be revived'	küçül- 'wane'	yüksel- 'ascend'
doğrul- 'straighten out'	sağal- 'recover'	

3. -AlA verbs<sup>5</sup>

çabala- 'endeavour'	ırgala- 'move; shake'	şaşala- 'be bewildered'
çalkala- 'rinse; gargle'	itele- 'keep on pushing'	sepele- 'sprinkle down'
çisele- 'drizzle'	kakala- 'keep on prodding'	serpele- 'sprinkle down'
deşele- 'scratch up'	kovala- 'chase'	silkele- 'shake off'
durala- 'hesitate'	ovala- 'rub and press with the hand'	sürmele- 'bolt (a door)'
eşele- 'scratch and scabble'	oyala- 'put so. off to gain time'	tepele- 'kill'
evele- 'try to evade'	örsele- 'handle roughly'	tırmala- 'scratch'
gevele- 'hum and haw'	saçala- 'scatter'	ufala- 'crumble; break up'
gezele- 'stroll'	sarmala- 'wrap'	yakala- 'catch'
hırpala- 'illtreat'	sarsala- 'joggle'	yarmala- 'split in two'

## 4. -An verbs

aban- 'lean over/against'	güven- 'thrust in'	tüken- 'be exhausted'
aldan- 'be deceived'	ilen- 'curse'	usan- 'be tired of'
beğen- 'like'	inan- 'believe'	utan- 'be embarrassed'
bezen- 'be adorned'	kıskan- 'be jealous'	uyan- 'wake up'
diren- 'resist'	kıvan- 'be proud of, glory in'	uzan- 'lie down'
gönen- 'live a content life'	özen- 'be envious'	üsten- 'undertake'
gücen- 'be offended'	tırman- 'climb'	üşen- 'be lazy to do stg.'

## 5. -Ar verbs

## i. -Ar verbs indicating change of color

ağar- 'become white or pale'	göver- 'turn blue or green'	morar- 'turn purple'
bozar- 'become grey/brown or sunburnt'	karar- 'turn black'	sarar- 'turn pale'
çalar- 'become ripe'	kızar- 'turn red; blush'	yeşer- 'become green; bloom'

## ii. -Ar verbs indicating change of state

başar- 'succeed'	kabar- 'be puffed out'	tozar- 'become dustlike'
becer- 'carry out skillfully'	kurtar- 'rescue'	uyar- 'warn'
delir- 'become insane'	öner- 'propose'	ürper- 'tremble'
geber- 'die contemptuously'	suvar- <sup>6</sup> 'water an animal'	yakar- 'implore'
gider- 'remove; satisfy a desire'	şımar- <sup>7</sup> 'spoil'	yalvar- 'beseech'
içer- 'contain'		yaşar- 'fill with tears'

## 6. -ArIA verbs

içerle- 'resent'	tekerle- 'roll'	yuvarla- 'roll'
toparla- 'collect together'	uyarla- 'adapt'	

## 7. -At verbs

gözet- 'mind; look after'	ornat- 'substitute'	yönet- 'command; govern'
ilet- 'convey; transmit'	yarat- 'create'	

## 8. -DA verbs

## i. Onomatopoeic verbs

bangırda- 'yell loudly'	gıcırdı- 'creak'	şakırda- '(of rain) to beat; sing'
benilde- 'wake up suddenly and give a bewildered look'	gurulda- 'rumble'	şangırda- 'make a sound of crashing'
bingılda- 'quiver like jelly'	gürbürde- 'boom; thunder'	şapırda- 'make a slurping noise'
cayırda- 'creak'	gürülda- 'gurgle'	şarılda- 'flow with a splashing noise'
cazırda- 'crackle'	harılda- 'make loud and continuous noise'	şıkırda- 'rattle; jingle'
cırılda- 'chatter; screech'	haşırda- 'make a rough scraping sound'	şingırda- 'crash; make the noise of breaking glass'
civırda- (of paper, cloth) 'make a sound when ripped or torn'	hırılda- 'growl; wheeze'	şıpırda- '(of water) to make a lapping noise'
cızılda- 'sputter'	hışılda- 'make a wheezing/rustling noise'	şırılda- 'burble'
cızırda- 'sputter'	hışırda- 'rustle'	takırda- 'make a tapping or knocking noise'
cumbulda- 'fall into water and make a splash'	horulda- 'snore'	tangırda- 'clatter; clang'
cumburda- 'pop'	hüngürde- 'sob'	tapırda- 'make the noise of foot steps'
çağılda- 'burble; purl'	ışılda- 'glimmer'	tıkırda- 'rattle lightly'
çakılda- 'make a clattering sound'	inilde- 'moan, groan'	tingılda- 'tinkle; clink'
çangırda- 'make a clanking sound'	kakırda- 'rattle; rustle'	tingırda- 'clink; clang'
çatılda- 'crackle, creak'	kıkırda- 'giggle'	tipırda- 'make a light tapping noise'
çatırda- 'crackle'	kımılda- 'budge'	tirilde- 'shiver'
çingırda- 'tinkle'	kıpırda- 'move slightly'	tokurda- 'make a bubbling noise with a hookah'
çıtırda- 'crackle'	kıtırda- 'make a crunching noise'	uğulda- 'hum; buzz'
dangırda- 'speak boorishly'	kütürde- 'make a crunching sound'	vıçırda- 'chirp'
dingilde- 'rattle; wobble'	lıkırda- 'gurgle'	vırılma- 'talk incessantly'
fikirda- 'make a bubbling noise'	mırılma- 'murmur'	vızılma- 'buzz, hum'
fisılma- 'whisper'	mışılma- 'sleep soundly'	yelpirde- 'move slightly'
fişılma- 'rustle'	parılma- 'gleam, glitter'	zangırda- 'tremble with teeth chattering'
fişırda- 'gurgle; rustle'	patırda- 'make a knocking noise'	zımbırda- 'twang; strum'
fokurda- 'gurgle'	pırılma- 'sparkle'	zingırda- 'rattle'
fosurda- 'breathe noisily'	pıtırda- 'make a tapping sound; patter'	zırılma- 'bitch; blubber'
foşurda- 'plash'	pofurda- 'make a popping noise'	
gacırdı- 'creak'	sakırda- 'shiver due to fear/cold'	

## ii. Other -DA verbs

bağda- 'tangle'	fingırde- 'behave frivolously'
iste- 'want'	sapta- 'confirm; make a price'

## 9. -DAr verbs

aktar- 'transfer; pass on'	kotar- 'dish up food; complete a job'
gönder- 'send'	kaytar- 'jib at a job'
göster- 'show'	sırtar- 'grin'

## 10. -I/U verbs

## i. -I verbs

berki- 'become stronger'	ışı- 'shine; sparkle'	salkı- 'shrivel; flag'
cıvı- 'become jellylike'	kaşı- 'scratch'	sancı- 'ache gripingly'
eri- 'melt'	kazı- 'erase; scrape'	tanı- 'recognize'
farı- 'become weaker'	mızı- 'quit as soon as things start going against one'	taşı- 'carry'
ılı- 'become lukewarm'		

## ii. -U verbs

bürü- 'cover up; enfold'	kürü- 'shovel up'	tozu- 'raise the dust'
büyü- 'grow'	soğu- 'become cold'	ulu- 'howl'
çürü- 'rot'	solu- 'pant'	uyu- 'sleep'
doku- 'weave'	soru- 'suck noisily'	ürü- 'howl (of dogs)'
koru- 'protect'	sürü- 'drag along the ground'	üşü- 'feel cold'
kuru- 'dry'		yürü- 'walk'

## 11. -İk verbs

acı- 'feel hungry'	birik- 'come together'	gözük- 'appear'
ayık- 'get sober'	gecik- 'be late'	

## 12. -I/AkIA verbs

açıkla- 'explain'	gıdıkla- 'tickle'	sürükle- 'drag'
ayıkla- 'clean off; pick'	itekle- 'manhandle; goad'	tartakla- 'harass'
didikle- 'tease out into fibres and shreds'	pinekle- 'slumber; doze'	tutukla- 'arrest'
durakla- 'stop once in a while'	savsakla- 'put stg. off with excuses'	uçukla- 'have vesicles'
dürtükle- 'prod'	sayıkla- 'rave; talk in one's sleep'	uyukla- 'doze'

## 13. -İksA verbs

kanıkla- 'become inured'

## 14. -İl verbs (reflexive verbs)

asıl- 'be obstinate; insist'	kasıl- 'contract'	sıyrıl- 'sneak away'
atıl- 'dash; rush'	katıl- 'join'	sokul- 'insinuate oneself into'
ayıl- 'come to oneself; sober'	kavrul- 'become scorched, parched'	soyul- 'peel, scale'
bayıl- 'faint'	kaykıl- 'lean back'	sökül- 'come off'
boğul- 'drown'	kesil- 'be exhausted; be curdled'	süzül- 'become thin; glide along swiftly and silently'
bozul- 'rot; break down'	kırıl- 'be hurt; offended'	takıl- 'attach oneself to a person; banter'
burkul- 'be sprained'	kıvrıl- 'be squeezed into a tight place'	tıkıl- 'be crammed into'
bükül- 'be twisted'	koyul- 'be busied with; set to work'	tutul- 'fall in love with; (part of one's body) get stiff'
büzül- 'contract; shrink'	kurul- 'settle oneself comfortably'	üzül- 'worry'
çakıl- 'drop like a rock'	kurtul- 'be free from'	vurul- 'be in love with'
çarpıl- 'become paralyzed'	saçıl- 'be scattered'	yamul- 'become bent to one side'
çekil- 'withdraw; recede'	sağıl- '(of a snake) uncoil itself'	yamrul- 'become uneven and lumpy'
çözül- '(ice) thaw; loosen'	sarı- 'embrace'	yanıl- 'be mistaken'
dağıl- 'be dispersed'	sarsıl- 'be hit hard by illness, shock'	yarıl- 'split off; cleave'
darıl- 'get cross'	savul- 'stand aside'	yayıl- 'spread'
delin- 'be worn through'		yazıl- 'be enrolled'
devril- 'fall over; capsize'		
dikil- 'stand stiff'		
dökül- 'drop off; fall out'		
durul- 'become quiet; settle down'		

eğil- 'bow'	seril- 'lie at full length on the ground'	yığıl- 'slump'
geril- 'become tense'	serpil- '(of a child) to grow apace'	yıkıl- 'collapse'
irkil- 'be startled'	sıkıl- 'get bored'	yırtıl- 'become torn'
kaçıl- 'clear out of a place'		yorul- 'be tired'
kapıl- 'become carried away'		yumul- 'dig in'

#### 15. -İmsA verbs

anımsa- 'recall'	kaçımsa- 'look for an excuse to avoid doing stg.'
ayırmsa- 'realize'	kötümse- 'disparage'
azımsa- 'regard stg. insufficient'	küçümse- 'belittle'
benimse- 'adopt as one's own; embrace'	özümse- 'assimilate'
çoğumsa- 'regard stg. more'	sayrımsa- 'feign sickness'
duyumsa- 'feel'	söylemse- 'take pains about saying stg.'
gülümse- 'smile'	yokumsa- 'deny the presence of stg.'
gücümse- 'be unwilling to do stg.'	

#### 16. -In verbs

acın- 'be pitied'	erin- 'melt away; flag'	sakın- 'be cautious; protect oneself'
açın- 'develop'	eşin- '(of animals) scratch up the ground'	salın- 'sway'
ağın- 'roll in the dust/grass'	geçin- 'live; exist; subsist'	sarın- 'wrap/ gird oneself'
alın- 'take offence'	gezin- 'stroll'	savun- 'defend'
arın- 'be purified'	gocun- 'take offence; sulk'	sevin- 'be pleased, happy'
aşın- 'wear out; erode'	görün- 'show oneself; appear'	sezin- 'sense'
avun- 'be consoled'	ıkın- 'strain'	sığın- 'take shelter/ refuge'
bakın- 'look around'	ılın- 'become tepid'	sıkın- 'restrain oneself'
barın- 'take shelter in'	ısın- 'grow warm'	silin- 'wipe oneself'
bulun- 'be present'	incin- 'be hurt; offended'	silkin- 'shake oneself'
bükün- 'writhe with pain'	kaçın- 'abstain'	sürün- 'rub against; grovel'
çarpın- 'struggle; get flustered'	kalkın- '(of a nation) make a material recovery'	şişin- 'get up with self importance'
çatın- 'frown'	karın- 'get mixed due to shaking'	takın- 'put on; assume'
çekin- 'beware'	kasın- 'shrink; contract'	tapın- 'worship'
çevrin- 'keep going round a place to show respect'	kaşın- 'scratch oneself'	taşın- 'move in/ away'
çırpın- 'flutter; struggle'	kazın- 'scratch oneself hard'	tepin- 'stump'
çözün- 'melt'	kırın- 'sway'	tıkın- 'stuff oneself; gulp'
değın- 'mention; touch upon'	kıyın- 'have (a feeling of) gripping stomach, aching limbs'	tutun- 'hold onto'
devin- 'move'	ölçün- 'deliberate'	yakın- 'complain'
didin- 'wear oneself out; toil'	övün- 'praise oneself'	yerin- 'feel regret for'
dokun- 'touch'		yetin- 'be contented with'
düşün- 'think'		yırtın- 'shriek in desperation'
edin- 'acquire'		
eğın- 'have a propensity or liking for'		

#### 17. -İr verbs

##### i. -İr verbs denoting sound and substance emission<sup>8</sup>

aksır- 'sneeze'	hapşır- 'sneeze'	tıksır- 'sneeze with the mouth shut'
anır- 'bray'	osur- 'fart'	tükür- 'spit'
böğür- 'bellow'	öğür- 'belch'	üfür- 'move stg. by blowing'
çağır- 'call out'	öksür- 'cough'	

##### ii. -İr verbs denoting absorption and contact with a substance

ısıır- 'bite'	sıyır- 'scrape'	somur- 'suck heavily'
kemir- 'nibble'	soğur- 'suck'	

## iii. Other -Ir verbs

ayır- 'set apart'	evir- 'change'	kudur- 'go mad; be attacked by rabies'
belir- 'emerge'	götür- 'take away'	otur- 'sit'
buyur- 'command; rule'	kanır- 'force back, bend; try to twist stg. loose'	savur- 'toss about'
çevir- 'turn over; spin'	kavur- 'broil; char'	seğir- 'twitch'
devir- 'knock over'	kayır- 'give so. preferential treatment'	semir- 'fatten'
devşir- 'gather; pick'	kıvrır- 'fold'	sömür- 'exploit; suck'
eğir- 'spin'	köpür- 'froth, foam'	süpür- 'sweep; brush'
emzir- <sup>9</sup> 'nurse'		yoğur- 'knead; mold'
esri- <sup>10</sup> 'experience a trance'		

## 18. -İrgA verbs

basırğa- 'feel uneasy'	indirge- 'reduce; demote'
esirge- 'protect from; withhold'	yadırğa- 'find stg. strange, odd'

## 19. -İşLA verbs

dürtüşle- 'poke repeatedly'
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## 20. -İştİr verbs

## i. -İştİr verbs denoting intensity

anıştır- 'imply'	geçiştir- 'pass over (a matter) lightly; brazen'	savuştur- 'parry'
araştır- 'inquire, research'	ılıştır- 'make lukewarm'	soruştur- 'query'
çağırıştır- 'be reminiscent of'	kariştir- 'combine, confuse'	sürüştür- 'rub in gently'
eleştir- 'criticize'	kovuştur- 'prosecute'	takiştir- 'put on a lot of jewels'
		veriştir- 'utter abuse; swear'

## ii. -İştİr verbs denoting repetition and continuity

atıştır- 'snack; begin to rain'	itiştir- 'prod and push continuously'	ovuştur- 'rub'
çekıştır- 'pull; criticize maliciously'	kakıştır- 'keep pushing stg. slightly'	saçıştır- 'scatter'
çırpıştır- 'flutter; strike lightly with a stick'	kıpıştır- 'blink'	serpiştir- 'sprinkle'
dürtüştür- 'prod repeatedly'	kırpıştır- 'blink the eyes'	sokuştur- 'inject; interject'
		tıkıştır- 'stuff'

## 21. -İt verbs

azıt- 'aggravate; exacerbate'	kırıt- 'behave coquettishly'	sırıt- 'grin'
dağıt- 'distribute'	öğüt- 'grind'	sorut- 'stand; wait'
damıt- 'distil'	pekit- 'strengthen; reinforce'	unut- 'forget'
eğit- 'educate'	içit- 'inject'	yalıt- 'insulate'
ısıt- 'warm up'	işit- 'hear'	

## 22. -KI verbs

oku- 'read'	şakı- 'warble'
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## 23. -Kİn verbs

yutkun- 'gulp'	öykün- 'emulate'
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## 24. -Kİr verbs

bağır- 'shout'	haykır- 'bawl'	pavkır- 'howl (for foxes and jackals)'
çemkir- 'object'	hıçkır- 'sob, hiccup'	

çımkir- 'defecate (for birds)  
fişkir- 'gush'  
geğir- 'burp'

höykür- 'recite prayers  
loudly'  
kışkir- 'get excited'

püfkür- 'sputter by  
blowing'  
püskür- 'spout'  
sümkür- 'blow one's nose'

## 25. -IA verbs

### 25.1. Noun + -IA verbs

açımıla- 'anatomize, analyze'  
açkıla- 'polish'  
adakla- '(of a baby) walk'  
adımıla- 'measure by pacing'  
afişle- 'announce via a  
poster; show'  
aforozla- 'excommunicate'  
afsunla- 'bewitch'  
afyonla- 'opiate'  
ağaçla- 'forest'  
ağıla- 'poison'  
ağula- 'poison'  
aharla- 'smoothen'  
akaçla- 'drain'  
akortla- 'key'  
akşamla- 'stay until evening'  
alaşımıla- 'alloy'  
alazla- 'singe'  
alçıla- 'plaster'  
algıla- 'perceive'  
alıntıla- 'quote'  
alkışla- 'clap'  
altla- '(logic) subsume'  
altyazıla- 'subtitle'  
amaçla- 'aim at'  
ambalajla- 'pack'  
ambarla- 'store'  
anaforla- 'steal'  
apazla- 'grasp in the hand'  
aprele- '(cloth) finish'  
arala- 'jar open'  
argaçla- 'weave'  
arkala- 'back'  
arşınla- 'march up and down'  
arşivle- 'file'  
arzula- 'desire'  
asfaltla- 'cover with asphalt'  
astarla- 'line'  
aşıla- 'implant'  
aşla- 'vaccinate'  
ateşle- 'ignite'  
atkıla- 'weave'  
avla- 'hunt'  
avuçla- 'take by handfuls'  
avurtla- 'brag'  
ayakla- 'measure a distance  
by pacing'

ayarla- 'calibrate'  
ayazla- '(weather) become  
cold'  
ayıpla- 'reproach'  
ayla- 'wait; last'  
azarla- 'scold'  
azotla- 'nitrify'  
badanala- 'whitewash'  
bağla- 'tie up'  
bağımıla- 'influence'  
bağışla- 'forgive, donate'  
baltala- 'axe, sabotage'  
balyala- 'bale'  
balyozla- 'hammer'  
bandajla- 'bandage'  
bantla- 'plaster'  
barikatla- 'barricade'  
basınçla- 'stress'  
belgele- 'document'  
belgile- 'mark by a trait'  
belikle- '(of hair) plait'  
belitle- 'display evidence'  
benzinle- 'cover with  
benzine'  
berele- 'bruise'  
bestele- 'compose'  
beşle- 'quintuplicate'  
betimle- 'describe'  
bezekle- 'adorn'  
bezele- 'make dough balls'  
bezirle- 'treat stg. with  
linseed oil'  
bezle- 'cover with cloth'  
bıçakla- 'stab'  
biberle- 'pepper'  
bilmezle- 'show up  
ignorance'  
birle- 'make one'  
bitle- 'pick the lice off'  
bitümlle- 'bituminize'  
bocala- 'falter'  
bodosla- 'explain; propose'  
boğazla- 'strangle'  
boğumla- 'make a node'  
bohçala- 'make a parcel of'  
bokla- 'soil, befoul'  
bombala- 'bomb'

bordala- 'hit side of a ship'  
boyala- 'paint over stg.'  
boyla- 'land'  
boynuzla- 'cuckold'  
bölümle- 'partition'  
briketle- 'form briquette'  
buğula- 'steam up'  
bukağıla- 'hobble'  
bulgula- 'find'  
bulgurla- 'crumble'  
bumla- '(of a tyre) burst'  
burgula- 'bore stg. with a  
gimlet'  
burunla- 'lower, degrade'  
buzacağıla- 'calve'  
bütçeyle- 'make a budget'  
büyüle- 'allure'  
büzgüle- 'make pleats'  
camla- 'fit with glass'  
ceple- 'earn'  
cevapla- 'answer'  
cimbızla- 'pluck stg. with  
tweezers'  
cıvatala- 'bolt'  
cilala- 'burnish'  
ciltle- 'bind'  
contala- 'put gasket'  
copla- 'cosh'  
cumbala- 'smooth off the  
rough edge of stg.'  
çalımıla- 'dribble'  
çamurla- 'muddy'  
çapala- 'hoe'  
çapla- 'calibrate'  
çapulla- 'loot'  
çarşafıyla- 'cover with bed  
sheet'  
çayırıyla- '(of an animal) graze'  
çekiçle- 'hammer'  
çekimle- 'attract an object  
due to gravitational  
forces'  
çelikle- 'propagate plants by  
cuttings'  
çelmele- 'trip so. with one's  
foot'  
çemberle- 'circumscribe'

- çemenle- 'smear with cumin paste'  
 çengelle- 'hang on a hook'  
 çentikle- 'jag'  
 çepelle- 'muddy'  
 çerçevele- 'frame'  
 çeşitle- '(music) vary'  
 çeşnile- '(food) flavour'  
 çevrele- 'surround'  
 çevrile- 'explain away; impose interpretation'  
 çeyizle- 'prepare a bride's trousseau'  
 çeyrekle- 'make infants exercise by crossing their legs and arms'  
 çikıla- 'tie up in a bundle'  
 çıkınla- 'tie (things) up in a bundle'  
 çırçırıla- 'clean cotton with a cotton-gin'  
 çıtçıtıla- 'button with press stud'  
 çiçekle- 'decorate with flowers'  
 çiftlele- '(for an animal) kick'  
 çimdikle- 'pinch'  
 çimentola- 'cover with cement'  
 çimle- 'grass'  
 çirişle- 'smear with paste'  
 çitle- 'hedge'  
 çivile- 'nail'  
 çivitle- 'blue'  
 çizgile- 'stripe'  
 çoğulla- 'pluralize'  
 çomakla- 'hit with a club'  
 çömlikle- 'make earthenware pot'  
 çözümlle- 'analyse'  
 çubukla- 'beat (a carpet, cushion, etc.) with a stick'  
 çulla- 'cover a horse with a rug'  
 çuvalla- 'fail in something'  
 damgala- 'seal'  
 darbele- 'blow; stroke'  
 dayakla- 'support with props'  
 değerle- 'appreciate'  
 değnekle- 'beat with a stick'  
 demetle- 'stook'  
 demirle- 'anchor'  
 demle- 'steep'  
 denetle- 'inspect'  
 deneyle- 'experiment on/with'
- dengele- 'balance'  
 depola- 'store'  
 derecele- 'grade'  
 desenle- 'draw figures'  
 destekle- 'support'  
 destele- 'bundle'  
 dikizle- 'peek'  
 dilimle- 'slice'  
 dinamitle- 'dynamite'  
 dipçikle- 'club with a rifle butt'  
 direnle- 'pitchfork'  
 dirsekle- 'elbow'  
 dişle- 'bite'  
 dizele- 'make line of poetry'  
 dizginle- 'bridle'  
 dizile- 'arrange in a row'  
 doğaçla- 'improvise'  
 dopingle- 'dope'  
 dosyala- 'file'  
 dökümlle- 'list; make an inventory'  
 dölle- 'inseminate'  
 dumanla- 'give out smoke'  
 duvakla- 'put a bridal veil on a bride'  
 düğmele- 'button'  
 düğümlle- 'tie'  
 dürümlle- 'fold, pleat'  
 düşle- 'imagine'  
 düzenle- 'order'  
 ebele- 'tag (in children's games)'  
 ebrula- 'marble'  
 efsunla- 'bewitch'  
 egele- 'file'  
 ekle- 'add'  
 ilintile- 'sew coarsely'  
 eklemle- 'articulate'  
 elektrikle- 'electrify'  
 elle- 'handle'  
 emayla- 'enamel'  
 encikle- 'whelp'  
 endazele- 'measure'  
 endeksle- 'index'  
 engelle- 'avert'  
 ensele- 'cop'  
 esinle- 'inspire'  
 eşle- 'pair'  
 eterle- 'anaesthetize'  
 etiketle- 'label'  
 etkile- 'impress'  
 eyerle- 'saddle'  
 ezberle- 'memorize'  
 faksla- 'fax'  
 faturala- 'invoice'
- fiçıla- 'barrel'  
 fırçala- 'brush'  
 fırınla- 'bake in the oven'  
 fisfisla- 'spray'  
 fişkıla- 'dung, manure ground with horse dung'  
 fidele- 'plant a bed or field with seedlings'  
 fihristle- 'make an index'  
 filarizle- 'scutch (flax)'  
 filizle- 'prune the buds of a plant'  
 firketele- 'pin up (one's hair)'  
 fiskele- 'give stg. a flick'  
 fişle- 'prepare index card'  
 fitille- 'set off'  
 fitile- 'set so. against another'  
 fitnele- 'snitch'  
 flitle- 'spray insecticide'  
 formatla- 'format'  
 fosfatla- 'phosphatize'  
 fotoğrafla- 'photograph'  
 frenle- 'brake'  
 frezele- 'mill'  
 hançerle- 'stab'  
 hapazla- 'grasp with the palms'  
 harekele- 'vowelize'  
 harmanla- 'blend'  
 hasırla- 'cover stg. with matting'  
 hatılla- 'strengthen a wall'  
 hatırla- 'remember'  
 gagala- 'peck'  
 galvanizle- 'galvanise'  
 gammazla- 'snitch'  
 garantile- 'guarantee'  
 gazla- 'gas'  
 gebrele- 'groom a horse with a haircloth glove'  
 gecele- 'stay overnight'  
 geçegeçle- 'channel surf'  
 gemle- 'restrain'  
 gezle- 'aim a weapon'  
 gıcıkla- 'tickle'  
 gırgırla- 'clean the floor with a carpet sweeper'  
 gırtlakla- 'strangle'  
 göğüsle- 'breast'  
 gölgele- 'shadow'  
 gölle- 'turn (a place) into a lake'  
 gönyele- 'measure stg. with a set square'  
 görüntüle- 'display'  
 gözlemle- 'observe'



gübrele- 'manure'	kalburula- 'sift'	kılıfla- 'put stg. in a case or cover'
güderile- 'turn into chamois'	kalıpla- 'mould'	kınala- 'apply henna'
güdümle- 'guide, direct'	kamala- 'stab'	kınla- 'put in a sheath'
gümrükle- 'clear stg. at the customhouse'	kamçıla- 'whip'	kırbaçla- 'horsewhip'
gümüşle- 'silver-plate'	kancala- 'hook up'	kırkla- 'complete forty days after an event'
güneşle- 'sunbathe'	kangalla- 'coil sth up'	kısıtla- 'restrict'
günle- 'set a date'	kanıtla- 'prove'	kışla- '(winter) set in'
güzle- 'spend the autumn (in X)'	kanla- 'stain stg. with blood'	kıtıkla- 'fill with refuse of flax'
haçla- 'crucify'	kantarla- 'weigh with a weigh-bridge'	kıyasla- 'compare'
haddele- 'mill'	kapla- 'cover'	kıyıla- 'sail along the coast'
hafızla- 'grind'	kararla- 'make a rough estimate'	kızakla- 'slide'
halkala- 'make a bangle; surround'	karbonla- 'carburize'	kilitle- 'lock'
hamurla- 'cover stg. with dough'	karele- 'square off'	kille- 'wash laundry with clay'
havuzla- 'dry-dock'	kargıla- 'spear'	kirala- 'rent'
hecele- 'syllabicate'	karıkla- 'open irrigation canal'	kireçle- 'lime'
hedefle- 'aim at'	karınla- 'pull up alongside'	kirişle- 'string a bow'
herekle- 'stake (a vine or plant)'	karişla- 'measure by the span of one's hand'	klonla- 'clone'
hesapla- 'calculate'	karla- 'snow'	klorla- 'chlorinate'
hidrojenle- 'hydrogenize'	karşıla- 'welcome'	kolala- 'starch'
hikayele- 'depict; tell'	karşıtla- 'offer an opposite view'	koltukla- 'flatter'
hilalle- 'make a crescent'	kartonla- 'bind in boards'	konakla- 'camp'
hizala- 'align'	kasala- 'pack in a packing-case'	konukla- 'stay overnight'
ırala- 'shake; joggle'	kaskola- 'insure a car'	konumla- 'position'
ıskala- 'miss the target'	kaşağıla- 'curry'	koşçala- 'hook in'
ışıkla- 'catcall'	kaşele- 'stamp'	kopyala- 'copy'
ıstampala- 'stamp metal'	kaşıkla- 'spoon'	koşulla- 'condition'
ışınla- 'radiate'	kaşla- 'place the stone of a ring in the center'	kotla- 'put down the elevations of places on a map'
iğnele- 'needle'	katıkla- 'eat stg. with bread'	kökke- 'uproot'
ihbarla- 'snitch'	katla- 'fold'	köpekle- 'cringe'
ilaçla- 'apply medicine to'	katranla- 'tar'	körükle- 'foment'
ilikle- 'button up'	kavla- 'desquamate'	köstekle- 'hamper'
ilmekle- 'tie in a loop'	kayıtla- 'enroll'	köşele- 'put stg. at a corner'
ilmikle- 'tie in a loop'	kazıkla- 'impale; cheat'	közle- 'grill'
imgele- 'envisage'	keçele- 'cover with felt'	kredile- 'give credit'
imle- 'indicate'	kefele- 'groom a horse with a hair glove'	kremle- 'apply a cream'
imzala- 'sign'	kefenle- 'shroud'	kucakla- 'hug'
indükle- 'induce'	kemerle- 'give the ridge of a book a curve in binding'	kulaçla- 'swim a stroke'
inekle- 'bone up'	kenetle- 'clamp together'	kulunla- 'foal'
iple- 'pay attention to'	kepçele- 'catch a ball with hands shaped like a ladle'	kumla- 'sandblast'
isle- 'smoke'	kertikle- 'notch'	kurcalı- 'tamper'
ispatla- 'prove'	kesele- 'rub the body with a hair glove'	kurğula- 'edit'
ispiyonla- 'inform on'	kılağıla- 'put a fine edge on a tool'	kurşunla- 'shoot'
istifle- 'stack neatly'	kılavuzla- 'guide'	kuşakla- 'band'
işaretle- 'mark'	kılıçla- 'put to the sword'	kutula- 'box up'
işle- 'penetrate'		kuzula- 'lamb'
jelatinle- 'gelatinize'		kükürtle- 'dust with sulfur'
jurnalle- 'denounce'		külle- 'damp down'
kafesle- 'con'		kümele- 'aggregate'
kâğıtla- 'cover with paper'		kündele- 'throw by a trick in wrestling'
kalafatla- 'caulk'		kürele- 'shovel up'
kalayla- 'tin'		

lafla- 'chat'	okla- 'shoot stg. with an arrow'	poyrazla- '(North-East wind) blow'
lambala- 'candle (eggs)'	oksijenle- 'oxygenize'	presle- 'mill'
lanetle- 'curse'	oksitle- 'oxidize'	puanla- 'grade'
lehimle- 'seal with lead'	omuzla- 'shoulder'	puçla- 'powder'
lekele- 'stain'	onayla- 'affirm'	pulla- 'stamp'
lıgla- 'silt up'	oranla- 'estimate'	pusula- 'lay an ambush'
lifle- 'scrub with a luffa'	orantıla- 'proportion'	rakamla- 'number'
limanla- 'come into harbor'	orsala- 'hug the wind'	rampala- 'sidling up to; ramp'
listele- 'list'	ortala- 'center'	raporla- 'report'
lodosla- '(south wind) blow'	otla- 'grass'	raptiyele- 'thumbtack'
macunla- 'putty'	oyala- 'detain'	raspala- 'scrape the paint or rust off a surface'
maddele- 'list'	oyla- 'poll'	rende- 'grate'
madikle- 'trick'	oylumla- 'give stg. a three-dimensional appearance'	renkle- 'enliven'
makasla- 'scissor'	oyumla- '(of plants) be deeply rooted'	resimle- 'illustrate'
malakla- 'bring forth water buffalo'	ozonla- 'ozone'	rezele- 'latch'
malala- 'trowel'	ödünle- 'make up for'	rimelle- 'wear mascara'
markala- 'trademark'	öğüt- 'advise so.'	rötüşla- 'retouch'
marnla- 'add marl to soil'	öksele- 'smear stg. with bird-lime'	rujla- 'wear lipstick; smear with lipstick'
masajla- 'massage'	ölçümle- 'appraise'	rüzgârla- 'bluster'
maskele- 'mask'	önle- 'thwart'	sabahla- 'stay awake all night'
maşala- 'crimp (hair) with a curling iron'	örgüt- 'organize'	sabunla- 'lather'
mayala- 'yeast'	örnekle- 'sample'	saçmala- 'babble'
mayınla- 'mine'	öyküle- 'narrate'	sahnele- 'stage'
mazotla- 'cover with diesel oil'	özetle- 'summarize'	sakatla- 'disable'
melezle- 'hybridize'	özümle- 'assimilate'	salçala- 'sauce'
mihla- 'transfix'	pahl- 'bevel, chamfer'	salgıla- 'excrete'
mimle- 'black list'	pakitle- 'pack'	sandıkla- 'box'
minele- 'enamel'	palazla- 'grow strong'	sanrıla- 'hallucinate'
montajla- 'assemble'	panikle- 'panic'	sansürle- 'censor'
mortla- 'die'	parafele- 'initialize'	sargıla- 'roll a bandage'
muşla- 'wax'	parafle- 'initialize'	sarkaçla- '(of body parts) dangle'
muştala- 'hit with fist'	parçala- 'break to pieces'	savatla- 'engrave'
muştula- 'give so. good news'	parala- '11 maul'	savla- 'assert'
mühürle- 'seal'	parkele- 'lay parquet'	savsakla- 'neglect'
müjdele- 'give so. good news'	parselle- 'lot'	sayfala- 'paginate'
naflatinle- 'put naphthalin among woolens'	paspasla- 'swab'	sayıla- 'number'
nakişla- 'embroider (a piece of cloth)'	patakla- 'belabour'	sayımla- 'make a counting'
nalla- 'shoe'	pazarla- 'market'	saykalla- 'polish'
neşterle- 'lance'	peçele- 'veil'	sekile- 'forest a slope'
nikahla- 'marry so. to'	perçinle- 'rivet'	selamla- 'greet'
nikelle- 'plate with nickel'	perdahla- 'polish'	sendele- 'stagger'
nişanla- 'to engage'	perdele- 'curtain, conceal'	sepetle- 'get rid of a tiresome person'
noktala- 'dot'	peyle- 'have an eye on stg.'	sepile- 'tan'
notala- 'copy musical notes'	piyazla- 'marinate'	sergile- 'exhibit'
numarala- 'number'	planla- 'arrange'	sıfırla- 'reset'
oğlakla- 'bring forth a kid'	planyala- 'plane'	sınıfla- 'classify'
okkala- 'estimate the weight of stg. by holding it in one's hand'	plasele- 'place'	sınırla- 'confine'
	pompala- 'pump'	sırala- 'concatenate'
	ponzala- 'pumice'	sırıkla- 'stake'
	postala- 'post'	
	poşetle- 'bag'	

sırla- 'glaze'	tabakla- 'tan'	tohumla- 'seed'
sırtla- 'shoulder'	takozla- 'chock'	tokaçla- 'beat (washing) with a clothes stick'
sıvala- 'plaster'	talanla- 'plunder'	tokatla- 'slap'
sıvazla- 'stroke'	talaşla- 'cover with sawdust'	topakla- 'form into pellets'
sifonla- 'flush toilet'	tamamla- 'accomplish'	topla- 'sum'
siftahla- 'make the first sale of the day'	tanele- 'granulate'	toprakla- 'earth'
sigortalı- 'insure'	tanıkla- 'provide a witness'	topukla- 'prod with one's heels'
silahla- 'arm'	tanıla- 'diagnose'	torbala- 'bag'
silikatla- 'silicate'	tanımla- 'define'	tornala- 'lathe'
silola- 'put stg. in a silo'	tanıtla- 'prove'	torpille- 'torpedo'
simgele- 'symbolize'	tapala- 'stopper'	törpüle- 'rasp'
sinirle- 'hamstring'	taparla- 'harrow'	tunçla- 'make bronze'
sistirele- 'plane'	tapula- 'get title to a piece of land'	turala- 'skein'
sobele- 'reach base before someone else'	tarakla- 'comb'	turla- 'tour'
soğanla- 'add onion to a dish'	tarazla- 'make rough by combing'	tuşla- 'press (button)'
solla- 'overtake'	tasarla- 'design'	tutamla- 'take a small handful of sth'
solukla- 'become pale, faded'	tasımla- 'reckon'	tutkalla- 'glue'
sonla- 'finish'	tasla- 'affect'	tuzakla- 'lay a trap'
sonuçla- 'bring to an end'	tasnifle- 'assort'	tuzla- 'salt'
sopala- 'give a beating to'	taşla- 'lapidate'	tümle- 'integrate'
sorgula- 'interrogate'	tavla- 'anneal'	tünekle- 'perch'
soyla- 'recite a poem'	tayla- 'bring forth a foal'	tüple- 'put in a tube'
soyutla- 'abstract'	tebeşirle- 'chalk; smear with chalk'	türküle- 'sing a folk song'
söğüşle- 'bleed'	tedarikle- 'prepare'	tütsüle- 'fume'
sönümle- '(oscillation) damp'	tekle- '(engine) miss'	uğurla- 'send off'
stokla- 'stockpile'	tekmele- 'kick'	unla- 'flour'
suçla- 'blame'	tekmile- 'finish'	üçle- 'make three'
sula- 'water'	tekrarla- 'repeat'	ünle- 'cry out; sing'
sülfürle- 'sulphurize'	telala- 'stiffen with tela'	üstele- 'persist'
süngüle- 'bayonet'	telle- 'telegraph'	üstüpüle- 'caulk or pack stg. with oakum or tow'
sünnetle- 'circumcise'	terasla- 'terrace (a slope)'	ütüle- 'iron'
sürgüle- 'bolt'	terazile- 'balance'	üzengile- 'spur a horse with the stirrup'
sürmele- 'fasten'	terbiyele- 'cultivate'	vakumla- 'vacuum'
süsle- 'bedeck'	terle- 'sweat'	varakla- 'silver'
süzgeçle- 'strain'	tertiple- 'organize'	vazelinle- 'cover with vase- line'
şakulle- 'plumb'	testerele- 'saw'	vergile- 'impose a tax on'
şamarla- 'slap'	tetikle- 'trigger'	vermikle- 'varnish'
şandelle- 'kick the ball to- wards the goal'	teyelle- 'baste'	vidala- 'screw'
şartla- 'lustrate'	tezgâhla- 'plan'	vitrinle- 'make a shopwindow'
şekerle- 'sugar'	tezle- 'speed up'	vurgula- 'emphasize'
şerbetle- 'charm so. by magic'	tıkaçla- 'plug'	yabala- 'winnow or carry hay with a yaba (wooden fork with three to five prongs)'
şeritle- 'wrap a ribbon around stg.'	tımarla- '(horse) groom'	yaftala- 'label'
şiringala- 'inject'	tıpala- 'bung'	yağla- 'oil'
şifrele- 'cipher'	tıraşla- 'crop'	yağmala- 'plunder'
şinikle- 'measure with şinik (a measure for cereals equalling 10 litres)'	tırmıkla- 'rake'	yağmurla- 'turn into rain'
şişele- 'bottle'	tırmakla- 'scratch'	yalanla- 'impugn'
şişle- 'stab somebody'	tırpanla- 'scythe'	yalazla- 'flame'
şutla- 'drive away'	tipile- '(of a snowstorm or blizzard) rage'	
tabakala- 'layer; fold'	tiple- 'represent a character'	
	tirele- 'put a dash'	
	titremle- 'pay attention to intonation in speaking'	

yaldızla- 'gild'	yazla- 'spend the summer in a certain place'	yumakla- 'clew'
yalpala- 'sway from side to side'	yedekle- 'back up'	yumrukla- 'punch'
yamala- 'vamp'	yeğle- 'prefer'	yumurtla- 'ovulate'
yanıtla- 'answer'	yelekle- 'put feather at the end of an arrow'	yükle- 'load'
yarala- 'wound'	yelkenle- 'sail'	yüzle- 'make representations'
yargıla- 'judge'	yelle- 'blow upon'	zamanla- 'time'
yarıla- 'be halfway through'	yelpazele- 'fan'	zamkla- 'glue'
yarımla- 'halve'	yemle- 'peck'	zarfla- 'envelope'
yarmala- 'split stg. length-wise'	yıldızla- '(of wind) blow from North'	zedele- 'damage'
yasakla- 'ban'	yoğurtla- 'add yogurt'	zehirle- 'poison'
yaştıkla- 'cushion'	yongala- 'make a chip'	zimbala- 'staple'
yayımla- 'publish'	yorumla- 'interpret'	zımparala- 'sandpaper'
yaıyla- 'spend the summer in the mountains'	yudumla- 'sup'	zıpkımla- 'harpoon'
	yuhla- 'boo'	zırvala- 'drivel'
		ziftle- 'caulk'
		zincirle- 'chain'

### 25.2. Adjective + -IA verbs

#### i. Adjective + -IA verbs (transitive)

ağırla- 'accommodate'	durula- 'rinse'	kurula- 'dry'
akla- 'acquit'	düzle- 'smooth'	kutlula- 'offer congratulations to so. on a feast day'
alacala- 'speckle'	erginle- 'enlighten'	marizle- 'beat so. up'
alala- 'camouflage'	esenle- 'greet'	ötele- 'shift'
alla- 'adorn'	eşitle- 'equalize'	özdeşle- 'make identical'
arakla- 'snoop'	geçerle- 'cause to pass'	özüle- 'allocate'
arıla- 'declare that stg. is free from defect'	genelle- 'generalize'	peydahla- 'produce'
aşağıla- 'humiliate'	gerçekle- 'verify'	pakla- 'clean'
bütünlü- 'defragment'	güncelle- 'update'	sıkıla- 'make stg. tight'
çaprazla- 'cross'	hazırla- 'prepare'	tazele- 'freshen'
çiftle- 'make two'	ikile- 'reduplicate'	temizle- 'clean'
değirmile- 'make circular'	karala- 'scrabble'	tersle- 'scold'
denkle- 'even up'	kırıkla- 'crumble'	ulula- 'glorify'
dışla- 'exclude'	kireçsile- 'turn stg. into lime'	zorla- 'force'
doğrula- 'corroborate'	kolayla- 'finish the hardest part of a job'	
dörtle- 'quadruplicate'	kötüle- 'denigrate'	

#### ii. Adjective + -IA verbs (intransitive)

afalla- 'flabbergast'	hamla- 'get soft from lack of work'	serinle- 'get cool'
aykırıla- 'take the short cut'	ihtiyarla- 'grow old'	sersemle- 'become dazed'
bayatla- 'go stale'	pepele- 'stutter'	sıcakla- 'feel hot'
bengile- 'eternalize'	pisle- 'dirty'	şişmanla- 'get fat'
ferahla- 'feel relieved'	rahatla- 'feel at ease'	tırilla- 'be destitute'
genişle- 'broaden'	sakinle- 'calm down'	topalla- 'hobble'
gerile- 'deteriorate'	semizle- 'grow fat'	ucuzla- 'cheapen'
hafifle- 'lighten'	serbestle- 'breathe easily'	yavaşla- 'slow down'
		zayıfla- 'get thin'

### 25.3. Adverb + -IA verbs

ertele- 'postpone'	nicele- 'quantify'	öncele- 'give stg. priority'
hiçle- 'disregard completely'	nitle- 'qualify'	yinele- 'repeat'
		evetle- 'say yes'

25.4. Onomatopoeic root + -IA verbs<sup>13</sup>

ağla- 'weep'	hırla- 'growl; snarl'	şakla- 'make a loud cracking noise'
ahla- 'sigh, moan'	hışla- 'make a wheezing or rustling sound'	şakşakla- 'applaud'
carla- 'talk loudly, incessantly'	hohla- 'breathe'	şapla- 'make a smacking noise with the lips or hand'
cırtla- 'screech'	hopla- 'jump'	şarla- 'flow with a splashing noise'
ciyakla- 'squeal'	horla- 'snore'	şırla- 'make the noise of gently running water'
cızla- 'burn with a sizzling noise'	hortla- 'rise from the grave'	şorla- '(of liquids) flow loudly'
ciyakla- 'squeal'	ihla- 'groan'	tıkla- 'tick'
çağla- 'ripple'	inle- 'moan'	tınla- 'clang'
çatla- 'crack, chap'	kekele- 'stutter'	tırtıkla- 'fleece'
çınla- 'clang; tinkle'	kışkışla- 'shoo'	tısla- 'hiss'
çıtla- 'make a slight cracking sound'	kütle- 'give out a thudding noise'	tosla- 'bump'
defle- 'drive away; expel'	lüple- 'choke down; gulp down'	ufla- 'sigh; express annoyance'
dehle- '(animal) to urge on'	mele- 'bleat'	üfle- 'blow upon'
fırla- 'pop out'	mıncıkla- 'pinch and squeeze'	vakla- 'quack'
fısla- 'fizz'	mırla- 'purr'	vakvakla- 'quack'
fosla- 'fail; be disconcerted'	miyavla- 'meow'	vıcıkla- 'make stg. into a goo'
gakla- 'caw'	ofla- 'grunt with vexation'	vınla- 'buzz'
gıdakla- 'cackle'	parla- 'shine'	vırla- 'nag'
gırtl- 'drink tea with sugar kept in the mouth'	patla- 'explode'	vızla- 'buzz'
gurkla- '(of a bird) to sit'	pehpehle- 'applaud'	viyakla- 'squawk'
gurla- 'rumble'	pırla- 'flutter'	zırla- 'keep up a continuous noise'
gümle- 'emit a loudly echoing or booming sound'	purpurla- '(of light) blink'	zıpla- 'jump'
gürle- 'roar'	puşla- 'protrude'	zonkla- 'throb with pain'
harla- 'burn furiously'	pışpışla- 'swing a baby slowly to make him sleep'	
haşla- 'boil'	pohpohla- 'flatter'	
havla- 'bark'	pörtle- 'bulge out'	
hayla- 'drive (an animal) by shouting hay'	puflla- 'blow; puff'	
	püfle- 'puff'	
	sızla- 'ache'	

## 25.5. -Et + -IA verbs

gözetle- 'observe secretly'

25.6. Other -IA verbs (verbs the roots of which do not have a specific meaning in MT)<sup>14</sup>

anla- 'understand'	dazla- 'be picky'	ısla- 'wet'
atla- 'jump'	derle- 'compile'	ısmarla- 'order'
balıkla- 'dive head foremost'	dızla- 'swindle; acquire by fraud'	incele- 'investigate'
başla- 'start'	dinle- 'listen'	irdele- 'explicate'
bekle- 'wait'	eğle- 'amuse'	izle- 'trace'
belinle- 'wake up and blench'	emekle- 'crawl'	keşle- 'ignore'
belirle- 'determine'	etekle- 'crawl to so.'	kokla- 'smell'
belle- 'dig'	eyle- 'do'	kolla- 'watch for'
besle- 'feed'	fistikla- 'sow discord away; provoke'	kutla- 'celebrate'
çakozla- 'suss'	gizle- 'hide'	özle- 'miss'
çitile- '(clothes) rub together while washing'	gözle- 'watch'	payla- 'rebuke'
dağla- 'scorch'	hakla- 'overcome'	rastla- 'encounter'
		sakla- 'cover'
		salla- 'shake'

sapla- 'plunge'  
sezinle- 'sense'  
söyle- 'say'  
tasla- 'affect'

tökezele- 'stumble'  
uslamla- 'think; reckon'  
yadımla- '(of molecules)  
burn'

yasla- 'justify'  
yolla- 'send'

## 26. -IAn verbs

### 26.1. Noun + -IAn verbs

adlan- 'be named'  
ağdalan- 'become  
coagulated'  
ağırşaklan- '(of a boil) swell;  
protrude'  
akıllan- 'come to one's  
senses'  
alakalan- 'show interest in'  
alevlen- 'inflammation'  
ardaklan- '(of tree) rot due to  
fungus'  
arılan- 'become clean'  
arızalan- 'break down'  
arlan- 'be ashamed'  
asılan- 'benefit'  
ateşlen- 'catch fire'  
atlan- 'be skipped'  
ballan- '(fruit) get ripe and  
sweet'  
barklan- 'set up house'  
bedirilen- 'become a full  
moon'  
beneklen- 'become spotted'  
benlen- 'get moles'  
bereketlen- 'increase'  
berelen- 'bruise'  
biyıklan- 'get a moustache'  
biçimlen- 'get a form'  
bilgilen- 'get knowledge'  
bilinçlen- 'become  
conscious'  
bitlen- 'get infested with  
lice'  
boğumlan- 'become articu-  
lated'  
boklan- 'get dirty; be in a  
bad situation'  
boncuklan- '(of tears, sweat)  
become bead-like'  
borçlan- 'take on debt'  
boylan- 'grow taller'  
boynuzlan- 'grow horns'  
böceklen- 'be infested with  
insects'  
böcelen- 'become infested  
with insects'  
budaklan- 'pullulate'

buğulan- 'mist over'  
bulutlan- 'get cloudy'  
buzlan- 'get icy'  
canlan- 'awaken'  
celallen- 'get into a rage'  
cephelen- 'form a front'  
cerahatlen- 'suppurate'  
cesaretlen- 'take courage'  
cezalan- 'be punished'  
cihazlan- 'be equipped with  
the latest technology'  
cisimlen- 'materialize'  
coşkulan- 'become  
exuberant'  
cücüklen- 'send forth shoots;  
sprout'  
cüretlen- 'dare'  
çapaklan- '(of the eye) be-  
come gummy'  
çarşafılan- '(of women) cover  
oneself'  
çatallan- 'furcate'  
çavlan- 'make noise'  
çayırılan- 'graze'  
çeğmellen- 'become bow-  
like'  
çerezlen- 'snack'  
çığalan- '(of a horse tail)  
stand stiff'  
çiçeklen- 'bloom'  
çillen- 'get freckles'  
çimlen- 'sprout'  
çizgilen- 'come to possess  
lines'  
çöreklen- 'twine'  
çukurlan- 'become hollow'  
dalgalan- 'fluctuate'  
dallan- 'branch'  
damarlan- 'become veined'  
değerlen- 'gain value'  
dehşetlen- 'fear'  
demlen- 'be steeped'  
dengelen- 'be balanced'  
dertlen- 'have troubles'  
dillen- 'become chatty'  
dişlen- 'gain authority'

dumanlan- 'be filled with  
smoke or mist'  
duvaklan- '(of a bride) wear  
a veil'  
duygulan- 'be moved'  
düğümülen- 'be tied with a  
knot'  
edeplen- 'be or become  
well-behaved'  
efkarlan- 'become  
thoughtful or anxious'  
elektriklen- 'be electrified'  
endişelen- 'be anxious'  
eseflen- 'regret'  
esinlen- 'be inspired by'  
etenelen- 'establish a  
chemical relation  
between the fetus and  
mother'  
etlen- 'fatten'  
evhamlan- 'be full of false  
apprehensions'  
ezgilen- 'become rhythmic'  
faydalan- 'derive benefit  
from stg.'  
fenlen- 'know what one is  
supposed to know at a  
certain age'  
ferahlan- 'become spacious  
or airy'  
feyizlen- 'benefit by'  
filizlen- 'sprout'  
fiyatlan- 'get expensive'  
gamlan- 'be grieved'  
gayretlen- 'endeavour'  
gazaplan- 'become wrathful'  
gazlan- 'become gaseous'  
gıcıklan- 'have a tickling  
sensation'  
göbeklen- 'become paunchy'  
görevlen- 'be assigned duty'  
görgülen- 'become well-  
bred'  
gövdelen- 'become bulky'  
gruplan- 'be grouped'  
gururlan- 'take pride in stg.'  
güçlen- 'grow stronger'

güvelen- 'get clothes-moths'	kıllan- 'become hairy'	örgütlen- 'be organized'
halelen- 'form a halo'	kırçılan- 'become sprinkled with grey'	örümceklen- 'become covered with cobwebs'
hararetlen- 'become heated'	kıvamlan- 'reach the right consistency'	pahalan- 'become dear'
hareketlen- 'brisk'	kıvançlan- 'be pleased'	palazlan- 'grow strong'
harelen- 'have a sheen'	kıvılcımlan- 'start to give off sparks'	paralan- 'be torn'
hasetlen- 'envy'	kıvrımlan- 'become curled'	parazitlen- 'jam'
hastalan- 'become ill'	kıymetlen- 'become more valuable'	paslan- 'become rusty'
havalan- 'be aired'	kibirilen- 'become arrogant'	peltelen- 'become jellified'
hayıflan- 'bemoan'	kinlen- 'nurse a grudge'	pıhtılan- 'become coagulated'
helecanlan- 'become excited'	kirlen- 'become dirty'	pipiriklen- 'be afflicted with unfounded fears/suspicious'
helmelen- 'become like paste'	kokorozlan- 'intimidate; challenge'	pirelen- 'become infested with fleas'
heveslen- 'be eager to do stg.'	kokulan- 'perfume'	posalan- 'deposit a sediment'
heyecanlan- 'become excited'	konuşlan- 'deploy'	potlan- 'be creased'
hırslan- 'seethe'	konutlan- 'use a place as a residence'	puslan- '(of a cold glass) be misty with condensation'
hışımınlan- 'become furious'	kökenlen- 'have an origin'	pürçeklen- 'become tasselled'
hızlan- 'gain speed'	köklen- 'put forth roots'	pürtüklen- 'become knobby'
hiddetlen- 'become angry'	köprülen- 'have a bridge'	pürüzlen- 'become rough or shaggy'
hislen- 'be moved'	kristallen- 'crystallize'	pütürülen- 'become chilblained'
huyulan- 'get nervous'	kullan- 'use'	raşelen- 'shiver; (of hair) stand on end'
hüzünlü- 'feel sad'	kurtlan- 'get wormy'	renklen- 'take on a lively note'
ışıklan- 'be illuminated'	kurumlan- 'be puffed-up'	rutubetlen- 'become damp'
ikirciklen- 'get suspicious'	kuşkulan- 'feel suspicious'	ruziklen- 'live in destitution'
ilgilene- 'be interested'	kutuplan- 'be polarized'	rüzgârlan- 'become windy'
iltihaplan- 'become inflamed'	kuvvetlen- 'grow stronger'	sabunlan- 'soap oneself'
ipliklen- 'become threadbare'	küflen- 'get moldy'	saçaklan- 'become fringed'
irinlen- 'suppurate'	kültürülen- 'become cultivated'	sakallan- 'sprout a beard'
isteklen- 'want to'	kümbetlen- 'become dome-like'	sakatlan- 'become disabled'
işkillen- 'be dubious'	kümelen- 'cluster'	sancılan- 'gripe'
iştahlan- 'get pleasantly hungry'	lezzetlen- 'become delicious'	serinlen- 'become cool'
kabuklan- 'grow bark'	mallan- 'acquire property'	sevda- 'fall passionately in love with'
kademelen- 'become gradual'	menevişlen- 'have a moiréd appearance'	sıtmalan- 'get malaria'
kahırlan- 'be grieved'	meraklan- 'worry about'	sihirlen- 'be enthralled'
kahpelen- 'behave deceitfully; perfidiously'	merkezlen- 'be centered'	silahlan- 'become armed'
kanatlan- 'take wing'	mevzilen- 'take up a position'	silahsızlan- 'become disarmed'
kanlan- 'become blood stained'	meyvelen- '(of tree) have fruits'	sineklen- 'become infested with flies'
kapılan- 'take service'	mikroplan- 'be infected'	sinirlen- 'become irritated'
karıncalan- 'prickle'	sporlan- 'sporificate'	sislen- 'get foggy'
kasavetlen- 'become sad'	millen- 'silt up'	sonlan- 'end'
katkılan- 'contain an additive'	mutlan- 'become happy'	sonuçlan- 'result in'
kavlan- 'be desquamated'	neşelen- 'become cheerful'	sorguçlan- 'look like a plume'
kaygılan- 'worry'	oğullan- '(of bees) swarm'	
keçelen- 'become matted'	öbeklen- 'form a group'	
kederlen- 'mourn'	öçlen- 'cherish a grudge'	
kepeklen- 'become scurfy'	öfkelen- 'grow angry'	
keyiflen- 'get tipsy'		

sütlen- 'lactate'	temellen- 'become firmly fixed'	umutlan- 'become hopeful'
streslen- 'become stressful'	teşkilatlan- 'get organized'	uslan- 'become well-behaved'
sulan- 'deliquesce'	tırtıllan- 'become infested with caterpillars'	ümitlen- 'become hopeful'
süratlen- 'gain speed'	tifliklen- 'become fuzzy'	ünlen- 'become famous'
şekillen- 'acquire a shape'	tirfillen- 'become threadbare'	vasıflan- 'become qualified'
şenlen- 'become cheerful'	tohumlan- '(of a plant) develop seed'	yakamozlan- 'form phosphorescence in the sea'
şereflen- 'be honoured'	tomurcuklan- 'bud'	yapraklan- 'become foliated'
şiddetlen- 'become intensified'	torbalan- 'sag'	yararlan- 'benefit'
şimşeklen- '(lightning) flash'	tortulan- 'sediment'	yaşlan- 'grow old'
şuurlan- 'become conscious'	tozlan- 'get dusty'	yelelen- '(of hair) wave in the air'
şüphelen- 'doubt'	tüllen- 'become tulle-like'	yemişlen- 'fruit'
talazlan- '(of silk) be ruffled up'	tümlen- 'be integrated'	yosunlan- 'become mossy'
tanelen- 'granulate'	tümörlen- 'get a tumour'	yurtlan- 'settle'
tasalan- 'worry'	tüylen- 'grow feathers'	ytüreklen- 'take heart'
tatlan- '(fruit) get sweet'	uçlan- 'shower down'	zevklen- 'become pleased'
telaşlan- 'get agitated'		

### 26.2. Noun + -lAn verbs (to behave in a certain manner/ to do X)

ağalan- 'lord it over so.; play the Agha'	erkeklen- 'act like a bully'
babalan- 'become enraged; play the Mafia boss'	horozlan- 'bluster'
büyüklen- 'become haughty'	itlen- 'behave in an ill-mannered way'
cinlen- 'become furious'	kabadayılan- 'bully'
cilvelen- 'act in a coquettish manner'	koçlan- 'become a ram; act violently, bravely'
dayılan- 'swagger'	köpeklen- 'cringe like a beaten dog'
efelen- 'behave in an obstinate and defiant way'	şahlan- 'rear'
	yavuzlan- 'become resolute; bully'

### 26.3. Adjective + -lAn verbs

acılan- 'become bitter'	huysuzlan- 'fret'
akçillan- 'become whitish, faded'	ivedilen- 'hurry'
aksilen- 'bridle'	kokozlan- 'become poor and destitute'
alacalan- 'become colorful'	körülen- 'become blind/ blunt; get rusty'
arsızlan- 'act in an impudent manner'	mağrurlan- 'be puffed up; give oneself airs'
aydınlan- 'brighten'	mutlulan- 'become happy'
ayrılan- 'become separated; distinct'	pimpiriklen- 'become old and weak'
beyazlan- 'whiten'	pislen- 'get dirty'
bollan- 'get loose'	rahatsızlan- 'become ill'
cıvıklan- 'become sticky, wet'	sabırsızlan- 'grow impatient'
delilen- 'get crazy, mad'	sertlen- 'get tough'
densizlen- 'act in a peevish manner'	siyahlan- 'turn black'
diklen- 'get stubborn'	titizlen- 'fuss about sth'
dinçlen- 'feel refreshed'	yeşillen- 'become green'
esaslan- 'become firmly established'	

### 26.4. Onomatopoeic root + -lAn verbs

betelen- 'resist obstinately'	mızızlan- 'quetch'
böbürlen- 'boast'	sabuklan- 'talk nonsense'
dırdırlan- 'grumble'	seslen- 'call'
dırlan- 'yammer'	vahvahlan- 'say <i>alas, what a pity</i> '
mızıklan- 'not play the game'	yazıklan- 'say <i>what a shame/ pity</i> '



## 26.5. Other -IAn verbs

ayaklan- 'rebel'	hallen- 'acquire a new condition'	tıkımlan- 'devour'
bilmezlen- 'pretend not to know'	harılan- '(of animals) become bad-tempered'	uzaklan- 'be coy; feign reluctance'
çıplan- 'become naked; undress'	hoşlan- 'like'	üslen- 'position oneself at a place'
çullan- 'descend'	içlen- 'be emotionally affected'	yankılan- 'echo'
dinlen- <sup>15</sup> 'relax'	kapaklan- 'fall flat on one's face'	yaylan- 'bounce'
evlen- 'get married'	kaşarlan- 'get used to doing wicked things'	yellen- 'break wind'
gazellen- '(trees) to lose their leaves'	koşullan- 'be conditioned'	yıllan- 'age'
gevezelen- 'chatter'	soluklan- 'take a breath'	sebeplen- 'get a share of the pie'
gönüllün- 'be offended, hurt'	terslen- 'meet with a rebuff'	siperlen- 'take shelter'
güneşlen- 'sunbathe'		sahiplen- 'claim possession of stg.'

## 27. -IAş verbs

## 27.1.1. Noun+ -IAş verbs (verbs denoting change of state)

abanozlaş- 'become hard or as black as ebony'	bayraklaş- 'have the status of a flag'	cepheleş- 'solidify in opposition'
abideleş- 'become a monument; be memorialized'	bebekleş- 'become baby-like'	cinleş- 'become smart'
acemleş- 'become Persian'	bedirleş- 'become a full moon'	cisimleş- 'materialize'
acılaş- 'become bitter'	benekleş- 'become spot-like'	cüçükleş- 'bud'
adlaş- 'become a noun'	betonlaş- 'become full with concrete buildings'	çakırlaş- 'become greyish blue'
ağaçlaş- 'become tree-like'	bitkileş- 'become plant-like'	çamurlaş- 'turn into mud; get importunate'
ağdalaş- 'become of the consistency of thick syrup'	bloklaş- 'form a block'	çatallaş- 'bifurcate'
ağlaş- 'become poisonous'	boklaş- '(for a project, situation) go bad'	çayırlaş- 'become meadowy'
Almanlaş- 'become German-like'	boncuklaş- 'become bead-like'	çeteleş- 'become a gang'
anılaş- 'become a memory'	boynuzlaş- 'become horn-like'	çıbanlaş- 'become boil-like'
anıtlaş- 'acquire a monument status'	bozkırlaş- 'become steppe-like'	çiçekleş- 'become a flower'
apseleş- 'become an abscess'	buğulaş- 'vaporize'	çirozlaş- '(of mackerel) spawn or become thin; turn into nothing but skin and bones'
Araplaş- 'become Arab-like'	buharlaş- 'evaporate'	çizgileş- 'become line-like'
argolaş- 'become slang'	buzlaş- 'get icy'	çocuklaş- 'become childish'
asalaklaş- 'become parasite-like'	buzullaş- 'glaciate'	çölleş- 'become desert'
ayranlaş- 'become like ayran (a drink made of yogurt and water)'	bülbülleş- 'speak fluently'	çukurlaş- 'become hollow'
ayrımlaş- 'become differentiated'	cadılaş- '(of a woman) become ugly and cantankerous'	destanlaş- 'become an epic/legendary'
bağımlaş- 'become dependent on each other'	camlaş- 'become glassy'	deyimleş- 'become an idiom'
bakırlaş- 'turn the color of copper'	cazibeleş- 'become attractive'	dikenleş- 'become thorn-like'
bañçolaş- 'become banjo-like'	cemaatleş- 'become a congregation, community'	dişileş- 'feminize'
bayırlaş- '(of a road) rise; get steep'	cennetleş- 'become paradise-like'	domuzlaş- 'become obstinate and disagreeable'
		efeleş- 'become hector-like'
		efsaneleş- 'become a legend'
		ekleş- 'become affix-like'
		erkekleş- 'become masculine'
		eşekleş- 'behave rudely'

- eterleş- 'become ether'  
 facialaş- 'become disastrous'  
 filozoflaş- 'philosophize'  
 firavunlaş- 'behave cruelly and despotically'  
 formülleş- 'become a formula'  
 fosilleş- 'fossilize'  
 Fransızlaş- 'Gallicize'  
 Frenkleş- 'behave like a European'  
 gazlaş- 'become gaseous'  
 gerillalaş- 'become a guerilla'  
 göçebeleş- 'become a nomad'  
 gölleş- 'become lake-like'  
 gruplaş- 'form groups'  
 hamurlaş- 'become dough-like'  
 hayvanlaş- 'become swinish, become brutish'  
 helvalaş- 'become halvah-like'  
 hevenkleş- 'become a bunch of fruits'  
 hıyarlaş- 'become doltish, turn into a dolt'  
 hizipleş- 'separate into factions'  
 holdingleş- 'conglomerate'  
 horozlaş- 'become a bully'  
 hulyalaş- 'become a dream'  
 ırmaklaş- 'become river-like'  
 ifritleş- 'get angry'  
 ihtisaslaş- 'specialize'  
 ilahlaş- 'become god-like'  
 ilkeleş- 'become a principle'  
 insanlaş- 'humanize'  
 İslamlaş- 'convert to Islam'  
 kadınlaş- 'become feminine'  
 kadrolaş- 'place one's men in key places'  
 kalıplaş- 'take a fixed form; become stereotyped'  
 kalplaş- 'start goldbricking; to start turning out shoddy work'  
 karılaş- 'behave like a woman'  
 kartelleş- 'cartelize'  
 kaslaş- 'become muscle-like'  
 katırlaş- 'start acting muleheadedly'  
 kavlaş- 'become tindery or punky'  
 keçeleş- 'mat; felt'  
 keçileş- 'become obstinate'  
 kelleş- 'become bald'  
 kentleş- 'become urbanized'  
 kırçillaş- '{of hair) become grey'  
 kireçleş- 'calcify'  
 kistleş- 'become cyst-like'  
 kişileş- 'become a person'  
 klişeleş- 'become a cliché'  
 kökleş- 'become established'  
 köleleş- 'turn into a slave'  
 köyleş- 'become village-like'  
 közleş- 'become cinder'  
 kullaş- 'serve so. with utter faithfulness'  
 kurallaş- 'become a rule'  
 kurşunlaş- 'become heavy as lead'  
 kuzulaş- 'become as gentle as a lamb'  
 külçeleş- 'harden in a lump'  
 kütükleş- 'become rude and insensible'  
 laçkalaş- 'get slack; loose'  
 laikleş- 'become secular'  
 lifleş- 'become fiber-like'  
 melezleş- 'become cross-bred'  
 milletleş- 'become a nation'  
 mitleş- 'become a myth'  
 modalaş- 'come into fashion'  
 mumlaş- 'become wax-like'  
 nasırlaş- 'become calloused'  
 nesneleş- 'turn into an object'  
 neticeleş- 'end'  
 odunlaş- 'lignify; get rude'  
 okullaş- 'become school-like'  
 oluklaş- 'become trough-like'  
 organlaş- '(of a living thing) to develop organs'  
 ormanlaş- 'become forested'  
 oyunlaş- 'become a game'  
 ozonlaş- 'become ozone'  
 öbekleş- 'become a mass, pile'  
 özleş- 'become the consistency of pastry'  
 palazlaş- 'grow large'  
 partileş- 'become a party'  
 pekteleş- 'jellify'  
 pıhtılaş- 'coagulate'  
 piçleş- 'be ruined, turn into a ballup'  
 putlaş- 'be idolized'  
 resimleş- 'become picture-like'  
 robotlaş- 'become a robot'  
 Rumlaş- 'become Greek-like'  
 Ruslaş- 'become Russian-like'  
 sabunlaş- 'saponify'  
 sağırlaş- 'become deaf'  
 sakızlaş- 'become sticky'  
 salgınlaş- 'become an epidemic'  
 sapıklaş- 'become a pervert'  
 sınıflaş- 'form a social class'  
 sıvılaş- 'condense; liquefy'  
 simgeleş- 'become a symbol'  
 sirkeleş- 'turn sour/into vinegar'  
 siyahlaş- 'blacken'  
 Slavlaş- 'become Slavic'  
 softalaş- 'become very pious'  
 sucuklaş- 'sweat'  
 şabanlaş- 'become stupid'  
 şaşılış- 'become cross-eyed'  
 şehirleş- 'become urbanized'  
 şekilleş- 'take a certain shape'  
 şirketleş- 'become a company'  
 şistleş- 'become schist-like'  
 şuurlaş- 'become conscious'  
 tabulaş- 'become a taboo'  
 tahtalaş- 'become wood-like'  
 tanrılaş- 'become a god'  
 taşillaş- 'fossilize'  
 taşlaş- 'become stone-like'  
 Tatarlaş- 'become Tatar-like'  
 tazılaş- 'become thin, fast'  
 tekelleş- 'become monopolized'  
 temelleş- 'become permanent'  
 tenhalaş- 'become deserted'  
 tilkileş- 'become crafty'  
 tiplleş- 'become representative of stg.'  
 tiritleş- 'become old and feeble'  
 tırşeleş- 'become pale green'  
 topaklaş- 'become lumpy'  
 tortulaş- 'become turbid'

tortullaş- 'become sedimentary'	türküleş- 'become a folk-song'	yasalaş- 'become law'
tozlaş- 'become dust-like'	uluslaş- 'become a nation'	yedekleş- 'become a substitute'
tunçlaş- 'become bronze-like'	urlaş- 'become a tumour'	yerlileş- 'become indigenous, native'
türşüleş- 'get crushed to a pulp'	ustalaş- 'become skilled'	yıldızlaş- 'become successful and famous'
tutkulaş- 'become a passion'	uydulaş- 'become a satellite nation'	yöreselleş- 'become local'
tümörleş- 'become a tumor'	uzmanlaş- 'specialize; become an expert'	
Türkleş- 'become like a Turk'	üçleş- 'become triple'	
	yapılaş- 'structure'	

### 27.1.2. Noun + -Ilaş verbs (verbs denoting reciprocity)

ağızlaş- '(of blood veins) open into one another'	hayırlaş- 'conclude a sale with the formula 'hayrım gör' have good luck with it'	ortaklaş- 'enter into partnership with one another'
ahitleş- 'take an oath together'	helalleş- 'forgive one another mutually'	ödünçleş- 'borrow from one another'
antlaş- 'come to an agreement'	hesaplaş- 'settle one's accounts'	öğürleş- 'become familiar; tame'
bayramlaş- 'exchange greetings on the occasion of a religious holiday'	iddialaş- 'bet'	paslaş- '(of football) pass'
bileş- 'be composed or compounded'	inatlaş- 'behave stubbornly towards each other'	paylaş- 'share'
birleş- 'unite'	kamplaş- 'form cliques'	pazarlaş- 'bargain'
cebelleş- 'struggle'	kandilleş- 'greet one another on the five Islamic holy nights'	randevulaş- 'fix an appointment with so.'
cenkleş- 'make a war, fight'	kararlaş- 'be decided, be agreed upon'	restleş- '(of gambling) mutually stake all one's money'
cilveleş- 'court'	karşıtlaş- 'disagree'	senetleş- 'give each other written certification'
çeneleş- 'chat'	kavgalaş- 'quarrel'	sözleş- 'agree together'
çiftleş- '(of animals) mate'	kavilleş- 'come to an agreement'	şakalaş- 'joke with one another'
çiftleş- '(of animals) kick each other using both hind feet at once'	klikleş- 'form a clique'	şartlaş- 'mutually agree to conditions'
davalaş- 'plead to one another'	kutuplaş- 'polarize'	telefonlaş- 'call each other'
dertleş- 'pour out one's grief to one another'	küfürleş- 'swear to one another'	tokalaş- 'shake hands'
dilleş- 'chat'	mahkemeleş- 'sue one another'	uzlaş- 'come to an agreement'
dırılaş- 'squabble in undertones'	mektuplaş- 'correspond by letter'	vedalaş- 'bid each other farewell'
dostlaş- 'become friends'	nöbetleş- 'take turns'	yardımlaş- 'help one another'
eşleş- 'be partners'	odaklaş- '(of light rays, electrons) gather at a point'	yüzleş- 'meet face to face'
haberleş- 'correspond'		
halleş- 'confide troubles to one another'		

### 27.2. Adjective + -Ilaş verbs (change of state verbs)

acayıleş- 'become strange'	afallaş- 'be stupefied, astonished'	aksileş- 'become difficult; obstinate'
acemileş- 'become novice like'	ağırlaş- 'become heavier/slower'	aktifleş- 'become active'
açıklaş- 'become lighter in color'	ahmaklaş- 'become like an idiot'	alçaklaş- 'become low, ignoble'
adileş- 'become common or inferior'	akçillaş- 'become whitish'	alenileş- 'become publicly known'
afacanlaş- 'become unruly'	aklaş- 'turn white'	alıklaş- 'become astounded'

- allaş- 'become red'  
 altınlaş- 'become gold'  
 anaçlaş- 'become mother-like/mature'  
 aptallaş- 'become stupefied'  
 arılaş- 'become purified'  
 arsızlaş- 'become shameless/impudent'  
 asabileş- 'become irritable'  
 asileş- 'become rebellious'  
 askerileş- 'become militarized'  
 asrileş- 'modernize'  
 aşağılaş- 'become ignoble'  
 avareleş- 'come to be wandering aimlessly'  
 aykırılış- 'become incongruous; perverse'  
 ayrılış- 'distinguish oneself, stand out'  
 azgınlaş- 'become randy; excessive'  
 azmanlaş- 'become monstrous'  
 bağılılaş- 'become committed to so./stg.'  
 bağınazlaş- 'become bigoted'  
 barbarlaş- 'become barbarous'  
 barizleş- 'become apparent'  
 basitleş- 'become simple/vulgar'  
 başkalaş- 'grow different'  
 batılılaş- 'become westernized'  
 bayağılaş- 'become coarse; common'  
 baygınlaş- 'become languid'  
 bedavalaş- 'become free of charge'  
 bedbinleş- 'become pessimistic'  
 bediileş- 'become beautiful'  
 belirginleş- 'become clear/marked'  
 bencilleş- 'become selfish'  
 bengileş- 'become eternal'  
 berraklaş- 'become clear; limpid'  
 beterleş- 'worsen'  
 beyazlaş- 'get white'  
 bezginleş- 'become weary'  
 bıçkınlaş- 'become a roughneck'  
 billurlaş- 'become crystallized'  
 bodurlaş- 'become short'  
 boğuklaş- 'become hoarse'  
 bollaş- 'become plentiful/get wide'  
 bönleş- 'become silly/naive'  
 bronzlaş- 'get a tan/become bronze'  
 budalalaş- 'become silly'  
 bulanıklaş- 'become foggy/dim'  
 buruklaş- 'become upset/acrid'  
 bücürleş- 'become squat'  
 bütünleş- 'become a unified whole'  
 cansızlaş- 'become weak/lifeless'  
 cazipleş- 'become attractive/catchy'  
 cılızlaş- 'become bony/weedy'  
 cıkklaş- 'become rotten/festered'  
 civıkklaş- 'become wet, sticky/tiresome'  
 ciddileş- 'become serious'  
 cimrileş- 'become mean'  
 coşkunlaş- 'become exuberant'  
 cömertleş- 'become generous'  
 cüceleş- 'become dwarf-like'  
 çabuklaş- 'fasten'  
 çağcılılaş- 'become modernized'  
 çağdaşlaş- 'become contemporary'  
 çapkınlaş- 'become licentious'  
 çaprazlaş- 'become involved and confused'  
 çarpıklaş- 'become deviant'  
 çatıkklaş- 'become sulky'  
 çelikleş- 'become steel-like'  
 çetinleş- 'become arduous'  
 çetrefilleş- 'become complicated'  
 çevikleş- 'become agile'  
 çılgınlaş- 'become crazy'  
 çıplaklaş- 'become naked'  
 çiftleş- 'copulate (of animals); pair'  
 çiğleş- 'become tactless'  
 çipilleş- 'become bleary-eyed'  
 çirkefleş- 'become loathsome'  
 çirkinleş- 'become ugly/indecent'  
 çopurlaş- 'become pock-marked'  
 çoraklaş- 'become arid/barren'  
 çökkünleş- 'become depressed'  
 dalgınlaş- 'become absent-minded'  
 dargınlaş- 'become cross'  
 darlaş- 'get narrow/tight'  
 dazlaklaş- 'become bold'  
 demirleş- 'become iron-like'  
 denkleş- 'be in equilibrium'  
 densizleş- 'become peevish'  
 derinleş- 'deepen/ specialize in something'  
 devleş- 'become gigantic'  
 dikleş- 'become steep/upright'  
 dinçleş- 'become vigorous'  
 dinginleş- 'become tranquil/calm'  
 dirileş- 'become energetic'  
 divaneleş- 'become mad'  
 doğallaş- 'become natural'  
 dolgunlaş- 'get plump'  
 donuklaş- 'become dim/expressionless'  
 durulaş- 'become clear/limpid'  
 düzleş- 'become flat/straight/plain'  
 ebedileş- 'become eternal'  
 eblehleş- 'become stupid'  
 edepsizleş- 'become ill-mannered/shameless'  
 edilgenleş- 'become passive'  
 ehlileş- 'become tame'  
 enayileş- 'become credulous; fool'  
 enezeleş- 'become thin/weak'  
 enginleş- 'become vast/boundless'  
 ergenleş- 'become adolescent'  
 erginleş- 'become mature'  
 esenleş- 'become well/safe'  
 eskileş- 'become old'  
 esmerleş- 'become dark'  
 esnekleş- 'become flexible'  
 etkinleş- 'become active'

etkisizleş- 'become ineffective'	hinleş- 'become a scoundrel; crafty'	kurulaş- 'become dry'
evcilleş- 'become tamed'	hoşlaş- 'become pleasant and agreeable'	kutsallaş- 'become holy'
fakirleş- 'become poor'	hödükleş- 'become boorish'	kutsileş- 'become holy'
farklılaş- 'become different'	huysuzlaş- 'become peevish'	kütleş- 'become blunt'
farksızlaş- 'become identical'	ılıklaş- 'become tepid'	laubalileş- 'be too free and easy'
faşistleş- 'become fascist'	ıraklaş- 'go far away'	legalleş- 'become legal'
federalleş- 'become federal'	ıssızlaş- 'become desolate'	liberalleş- 'become liberal'
fenalaş- 'get worse; deteriorate; feel faint'	ikileş- 'become two/be doubled'	matlaş- 'become dull, matt'
fersizleş- 'lose radiance; become dull'	ilginleş- 'become interesting'	mavileş- 'turn blue'
fettanlaş- 'become a seducer'	ilkelleş- 'become primitive'	millileş- 'become nationalized'
garipleş- 'become bizarre'	ilsizleş- 'become homeless/nationless'	morlaş- 'turn purple'
garpılılaş- 'become westernized'	insancillaş- 'become humane'	muzırlaş- 'become harmful, detrimental'
gavurlaş- 'become an infidel'	insafsızlaş- 'become unjust/cruel'	muzipleş- 'become prankish; teasing'
gençleş- 'become youthful or vigorous'	irileş- 'grow gradually large'	nankörleş- 'become ungrateful'
genelleş- 'become general'	itleş- 'become contemptible'	nazikleş- 'become polite'
genleş- 'dilate'	ivedileş- 'become urgent'	nefüleş- 'turn dark green'
gerçekleş- 'turn out to be true'	iyileş- 'recover'	netleş- 'become clear'
gerginleş- 'become stretched/strained'	kabalaş- 'become vulgar'	normalleş- 'become normal'
globalleş- 'become global'	kâfirleş- 'become an infidel'	oburlaş- 'become gluttonous, greedy'
güçleş- 'become difficult'	kalınlaş- 'become thick'	olağanlaş- 'become normal'
güdükleş- 'become stumpy'	kartlaş- 'grow old'	olgunlaş- 'become mature/ripe'
gülünçleş- 'become absurd/comic'	katılaş- 'become rigid'	özdeşleş- 'identify'
gümüşileş- 'become silvery'	katileş- 'become definite'	özelleş- 'become special/private'
güncelleş- 'be up-to-date'	kavileş- 'become strong/robust'	özerkleş- 'become autonomous'
gürbüzleş- 'become robust'	kelleş- 'become bald'	özgünleş- 'become genuine/original'
gürleş- 'become abundant; dense'	kesatlaş- '(of a market) become stagnant'	özgürleş- 'become free'
güzelleş- 'become beautiful/good'	kesinleş- 'become definite'	pahalılaş- 'become costly'
hafifleş- 'get light/silly'	kulıbkılaş- 'become henpecked'	pasifleş- 'become passive'
hainleş- 'become malicious; behave treacherously'	kıraçlaş- 'become arid'	pekleş- 'become stronger/rigid'
halsizleş- 'become weak/tired out'	kırılış- 'turn grey'	pesleş- '(of voice) become soft/low'
hamlaş- 'get soft from lack of work'	kısırlaş- 'become barren'	pintileş- 'become stingy'
hantallaş- 'become clumsy/coarse'	kıtlaş- 'become scarce'	pisleş- 'become dirty'
haraplaş- 'fall into ruins'	kıyaklaş- 'become nice, desirable'	pratikleş- 'become practical'
haşarılaş- 'become naughty'	kızgınlaş- 'become red-hot/get angry'	radikalleş- 'become a radical'
haşinleş- 'become harsh'	kızıllaş- 'turn red'	resmîleş- 'become formal/authorized'
haylazlaş- 'become mischievous'	kıbarlaş- 'become courteous'	revanlaş- 'become harmonious'
hımbıllaş- 'get lazy'	klasikleş- 'become a classic'	rezilleş- 'become contemptible'
hınzırlaş- 'become wicked'	koflaş- 'become hollow/stupid'	sabitleş- 'become stable'
hırçınlaş- 'become ill-tempered'	kolaylaş- 'become easier'	sadeleş- 'become plain'
	korlaş- 'become an ember'	saflaş- 'become pure'
	koyulaş- 'become dark/thick'	
	körleş- 'become blind/blunt'	
	kötüleş- 'deteriorate'	

sakarlaş- 'become clumsy'	şehirlileş- 'become urbanized'	yabanileş- 'go wild'
sakinleş- 'become calm'	şekerleş- 'become sweet/cute'	yakınlaş- 'draw near, approach'
salaklaş- 'become foolish'	şıklaş- 'become chic'	yaklaş- 'approach; approximate'
salozlaş- 'become stupid'	şirinleş- 'become affable'	yalçınlaş- 'become craggy'
sarılaş- 'turn yellow'	şirretleş- 'become malicious'	yalnızlaş- 'become isolated'
sarplaş- 'become steep; hard'	tabileş- 'become natural'	yansızlaş- 'become impartial'
sathileş- 'become superficial'	tarafsızlaş- 'become neutral'	yapaylaş- 'become artificial'
semeleş- 'become stupefied'	tatlılaş- 'get sweet/become pleasant'	yapısallaş- 'become structured'
semizleş- 'become fat, fleshy'	tatsızlaş- 'become distasteful/unpleasant'	yassılaş- 'become flattened'
serinleş- 'become cool/chilly'	tazeleş- 'become fresh'	yatkınlaş- 'become inclined to something'
sersemleş- 'become stupefied'	tekleş- 'become sole'	yavanlaş- 'become dull or uninteresting'
sertleş- 'become hard/austere'	tersleş- 'become adverse'	yaygınlaş- 'become prevalent'
sessizleş- 'become quiet'	tetikleş- 'become alert'	yayvanlaş- 'become wide and shallow'
sıcaklaş- 'become warm'	tezleş- 'become fast'	yeğınleş- 'become harsh'
sıklaş- 'become frequent/densely massed'	tıkızlaş- 'become firm and hard'	yenileş- 'become new'
sıskalaş- 'get thin and weak'	ticarileş- 'become commercial'	yerelleş- 'become local'
sıvıklaş- 'become sticky'	titizleş- 'become captious'	yetkinleş- 'become competent'
silikleş- 'become indistinct'	titrekleş- 'become vibrant'	yiğitleş- 'become brave'
sinsileş- 'become sly'	tizleş- 'become shrill'	yobazlaş- 'become bigoted'
sivilleş- 'become civilian'	trajikleş- 'become tragic'	yoğunlaş- 'become concentrated'
sivrileş- 'become pointed'	tuhaflaş- 'get odd/become queer'	yoksullaş- 'become destitute'
soğuklaş- 'get cold'	uçuklaş- 'become pallid'	yozlaş- 'become degenerate'
soluklaş- 'become dim/pale'	ululaş- 'become sublime'	yüzsüzleş- 'become brash'
soyutlaş- 'become abstract'	ulusallaş- 'become nationalized'	zebunlaş- 'become helpless and weak'
sterilleş- 'become sterile'	uyanıklaş- 'become vigilant'	zenginleş- 'get rich'
sululaş- 'become watery/too familiar'	uygarlaş- 'become civilized'	zindeleş- 'become energetic and alert'
süfıleş- 'become low/common'	uysallaş- 'become amenable'	zirzoplaş- 'become crazy'
şapşallaş- 'become slovenly'	uyuzlaş- 'become mangy'	zorlaş- 'get difficult/hard'
şarklılaş- 'become easternized'	uzaklaş- 'retire to a distance'	züğürtleş- 'become broke'
şaşkınlaş- 'become baffled'	ürkekleş- 'become timorous'	züppeleş- 'become a fop'
şeffaflaş- 'become transparent'	üstünleş- 'become superior'	
	vahşileş- 'become savage'	
	varsıllaş- 'become wealthy'	
	viranlaş- 'become ruinous'	

## 27.3. Adverb + -lAş verbs

fazlalaş- 'increase in number'	sahileş- 'become real'
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## 28. -nA verbs

ağna- 'lie down and roll'	çiğne- 'chew'	kayna- 'boil'	kişne- 'neigh'
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## 29. -rA verbs

çokra- 'boil'	kıpra- 'move slightly'	südre- 'become drunk'
doğra- 'chop'	kıvra- 'curl up'	şakra- 'sing loudly'

gevre- 'crisp'  
kavra- 'grab; cognize'

kükre- 'roar'  
şıçra- 'hop; bounce'

titre- 'tremble'

### 30. -sA verbs

açınsa- '(in geography) reconnoitre'  
ağırnsa- 'neglect so.; impede stg.'  
aksa- 'limp; delay'  
aşağınsa- 'deride; humiliate'  
büyükse- 'accept stg. as big'  
çirkinse- 'consider stg. ugly'  
çoksa- 'grudge'  
duraksas- 'falter'  
evse- 'be homesick'  
garipse- 'find stg. strange'  
gerekse- 'feel the necessity'  
hafifse- 'downplay; undervalue'  
ıraksas- 'think stg. unlikely'

kanıtsa- 'accept stg. as evidence'  
kapsa- 'comprise; cover'  
koçsa- '(of a sheep) desire a ram'  
kutsa- 'bless; sanctify'  
küçükse- 'despise; belittle'  
öксе- 'long for; miss'  
önemse- 'heed; overrate'  
örnekse- 'take as an example'  
savsa- 'put off doing stg. continually'  
susa- 'be thirsty'

tavsas- 'slacken; abate'  
tekese- '(of a female goat) desire a male goat'  
umursa- 'care; be concerned about'  
uzaksas- 'regard (a person or place) as being far away'  
üstünse- 'consider stg. superior'  
yakınsa- 'consider stg. to occur soon'  
yelse- 'rot; go stale'  
yurtsas- 'be homesick'

### 31. -s(I) Verbs

ansı- 'remember; recall'  
çiçeksi- 'become flowerlike; bloom'  
düvesi- '(of a heifer) desire a female'

yadısi- 'deny; negate'  
yansı- 'reflect'  
sars- 'shake'

### 32. -sIn Verbs

gereksin- 'feel the necessity of'  
zorsun- 'regard as burdensome'

tiksin-<sup>16</sup> 'be disgusted'  
yükün- 'regard as burdensome; grudge fulfilling a promise'

### 33. -y Verbs

cay- 'swerve; deviate from a purpose'  
doy- 'be satiated'  
duy- 'hear'  
giy- 'put on'  
göy- 'burn'

kay- 'slip; slide'  
kıy- 'mince, slaughter'  
koy- 'put'  
oy- 'engrave; carve'  
say- 'count; respect'

siy- '(of a dog) urinate'  
soy- 'undress; peel; rob'  
tüy- 'slip away'  
uy- 'conform; agree; fit'  
yay- 'spread; scatter'

## Appendix 2b

### 1. Verb roots identical to noun roots

acı- 'hurt; feel pity'  
ağrı- 'ache'  
boya- 'paint'  
damla- 'drip'  
etki- 'affect (in chemistry)'

gerek-<sup>17</sup> 'be needful; be lacking'  
kayşa- 'fall due to a landslide'  
tat- 'taste'

tepki- 'undergo a chemical reaction'  
üvey- '(of a dove) coo'  
yama- 'patch'  
zıbar- '(contemptuously) go to bed; die'

### 2. Verb roots identical to adjective roots

bavlı- 'train a dog/falcon to hunt'  
ekşi- 'become sour'

eski- 'be worn out'  
kõhne- 'become outmoded'

### 3. Et- 'do' compounds

addet- 'count; esteem'  
affet- 'forgive'

ahdet- 'take an oath'  
ahzet- 'accept'

akdet- 'bind, conclude (a bargain)'

akset- 'reflect'	hakket- 'engrave'	mahvet- 'destroy'
atfet- 'direct; attribute'	hallet- 'undo; solve'	menet- 'forbid'
azlet- 'dismiss from an office'	hamdet- 'give thanks and praise to God'	methet- 'praise'
azmet- 'resolve upon; intend'	hamlet- 'load; ascribe'	meylet- 'be inclined'
bahset- 'discuss; mention'	hapset- 'imprison'	naklet- 'transport; narrate'
bahşet- 'grant; forgive'	hasret- 'restrict; restrain'	nakşet- 'decorate'
cebret- 'force; compel'	hatmet- 'conclude; complete'	neşret- 'spread; publish'
cehdet- 'strive'	hazmet- 'digest'	nükset- '(of a disease) recur'
cevret- 'ill-treat'	hazzet- 'rejoice'	raptet- 'bind; fasten'
cezbet- 'draw, attract'	hicvet- 'satirize'	recmet- 'pelt; stone to death'
defet- 'expel; eject'	hisset- 'feel'	reddet- 'refuse'
defnet- 'bury'	hükmet- 'rule'	rekzet- 'set up; erect'
devret- 'turn upside down; turn over to another'	kahret- 'sadden; make so. distressed'	resmet- 'draw'
emret- 'command, order'	kastet- 'subdue; be distressed'	sabret- 'be patient'
faslet- 'separate'	katet- 'traverse'	seyret- 'watch'
feshet- 'abolish'	katlet- 'kill'	sırret- 'make stg. disappear'
fethet- 'conquer'	kavlet- 'agree'	şükret- 'be thankful'
gaslet- 'wash'	kaydet- 'enrol; register'	tabet- 'print'
gaspet- 'seize by force'	keşfet- 'discover'	vadet- 'promise'
guslet- 'wash for ritual purposes'	keyfet- 'enjoy oneself'	vehmet- 'forbode; fear'
haccet- 'make the pilgrimage to Mecca'	küfret- 'swear'	zannet- 'think; suppose'
haczet- 'sequester'	lağvet- 'abrogate; abolish'	zehret- 'take all the pleasure out of sth.'
	lütüfet- 'do a favor'	zikret- 'mention'
		zulmet- 'treat unjustly, cruelly'

#### 4. Eyle- 'do' compounds

affeyle- 'forgive'	kahreyle- 'cause to become grieved'	sabreyle- 'be patient'
emreyle- 'command; order'	reddeyle- 'refuse'	seyreyle- 'watch'
		şükreyle- 'be thankful'

#### 5. Ol- 'be' compounds

addol- 'be counted'	hallool- 'be resolved'	reddol(un)- 'be rejected'
affol- 'be forgiven'	kahrol- 'be grieved/ distressed'	sırrol- 'disappear'
azlol(un)- 'be dismissed'	kaybol- 'be lost; disappear'	vadol'un'- 'be promised'
defol- 'go away'	kaydol- 'be enrolled'	vahyol'un'- 'be revealed'
gaşyol- 'swoon; be in ecstasy'	mahvol- 'be destroyed/ ruined'	zehrol- 'spoil one's enjoyment'
	menol(un)- 'be prevented; forbidden'	

#### 6. Other compound verbs

##### i.

alıkoy- 'keep, detain'	donakal- 'be petrified with horror'	olagel- 'happen now and again'
alıver- 'take stg. smoothly'	düşeyaz- 'be on the verge of falling'	öleyaz- 'almost die'
artakal- 'remain over'	kalakal- 'stand petrified with fear or amazement'	salıver- 'let go; set free'
bakakal- 'stand in astonishment/ bewilderment'	koyuver- 'let go; to just put down'	süregel- '(for stg.) to have gone on (in a certain way) for a long time'
çıkagel- 'appear suddenly'		şaşakal- 'be left dumbfounded by'
çıkaryaz- 'be about to remove stg.'		



ii.

devral- 'take over'	feyzal- 'make progress; be successful'	varsay- 'suppose;
elver- 'be enough; suffice'	öngör- 'envisage'	hypothesize'
		vazgeç- 'give up'

## Appendix 2 c

### 1. Reflexive verbs

#### 1.1. -n verbs (reflexive verbs)<sup>18</sup>

avun- 'have one's mind taken off stg.'	korun- 'protect oneself'
aran- 'search oneself, one's pockets; look for trouble'	kuşan- 'gird oneself; dress'
boşan- 'break loose; divorce'	öğren- 'learn'
boyan- 'put on make-up'	örtün- 'cover oneself'
çalkan- '(of news) spread like wildfire'	sıvan- 'roll up one's trousers; get to work'
dadan- 'acquire a taste for; make too free use of'	soyun- 'undress'
dayan- 'endure; lean on'	sürtün- 'rub oneself'
dilen- 'beg'	taran- 'comb oneself'
diren- 'resist'	tıkan- 'choke; lose one's appetite'
dolan- 'revolve; saunter about'	tüken- 'become exhausted'
dökün- 'throw water over oneself'	yalan- 'lick oneself'
dövün- 'beat oneself'	yaman- 'instal oneself; foist oneself'
gerin- 'stretch oneself'	yan- 'burn'
giyin- 'dress'	yarar- 'make oneself serviceable'
kazan- 'win'	yıkan- 'wash oneself'
	kapan- 'shut oneself up, not go out; (of a wound) heal; (of a woman) veil oneself'

#### 1.2. Noun + -IA + -n verbs<sup>19</sup>

adaklan- 'become engaged'	gölgelen- 'sit in the shade; become shady'	kenetlen- 'be clamped together'
ağaçlan- 'become full with trees'	gümüşlen- 'become silver plated'	keselen- 'rub oneself with a small cloth'
ağılan- 'become poisoned'	halkalan- '(of eye) get wrinkled'	kınalan- 'become smudged with henna'
aklan- 'become clean'	hamurlan- 'become smudged with dough'	kilitlen- 'become locked'
allan- 'adorn oneself'	haşlan- 'become boiled'	kireçlen- 'calcify; get caked with lime'
arılan- 'become purified'	hazırlan- 'get prepared'	klorlan- 'become chlorinated'
avlan- 'hunt'	ıslan- 'become wet'	kolalan- 'become smudged with starch'
ayazlan- '(of the night) become clear and frosty'	islen- 'become black with soot; smell of soot'	konumlan- 'take position'
bağlan- 'become attached'	kaplan- 'become covered/coated'	köpüklen-* 'become foamy; become smudged with foam'
bütünlän- 'become whole'	karlan- 'become covered with snow; become smudged with snow'	kurşunlan- 'be covered with lead'
büyülen- 'be fascinated, charmed'	katlan- 'become folded; put up with'	kurulan- 'dry oneself'
çamurlan-* 'become muddy; become smudged with mud'	katranlan-* 'be covered with tar; get smudged with tar'	kükürtlen- 'become dusted with sulfur'
çirişlen- 'become smeared with shoemakers' glue'	kaynaklan- 'emanate; grow out of'	küllän- 'die down; be covered with ashes'
eğlen- 'enjoy oneself'		macunlan- 'become smudged with cement, putty'
eklemlen- 'join via joints'		
erginlen- 'become mature'		
eşitlen- 'become equal'		
etkilen- 'be influenced'		
gizlen- 'hide oneself'		

malatlan- 'become smudged with malt'	saklan- 'hide'	tarazlan- '(of fabric) become frayed; dishevelled'
maskaralan-* 'put on mascara; become smudged with mascara'	salçalan- 'become smudged with tomato paste'	tazelen- 'be rejuvenated'
mayalan-* 'ferment; become smeared with yeast'	sallan- 'swing about; waste time'	tebeşirlen- 'become smudged with chalk'
mihlan- 'become nailed to the spot'	saplan- 'sink into; get an idea fixed in the mind'	tekerlen- 'roll round'
mıknatıslan- 'become magneticized'	sarımsaklan- 'become smudged with garlic'	temizlen- 'clean oneself'
morfinlen- 'feel drowsy from chatting'	sıralan- 'line up'	tertiplen- 'become organized'
mumlan- 'become waxed'	sihirlen- 'become enchanted'	topaklan- 'become lumpy'
mürekkeplen- 'become smeared with ink'	sirkelen-* 'turn into vinegar; become smudged with vinegar'	toplantı- 'come together'
nişanlan- 'become engaged'	sözlen- 'become engaged'	tutkallan- 'become smudged with glue'
nişastalan-* 'tun into starch; become smudged with starch'	sürmelene-* 'put on mascara; become smudged with mascara'	tuzlan- 'become smudged with salt'
paklan- 'clean'	süslen- 'adorn oneself'	tükürüklen- 'become smudged with spittle'
pamuklan-* 'become covered with balls of dust or fluff'	şartlan- 'be conditioned'	tütsülen- 'become fumigated'
parçalan- 'fragment; fall to pieces'	şekerlen- '(form sugar crystals) become smudged with sugar'	unlan- 'become smudged with flour'
perdelen- '(of the eye) have a cataract'	taharetlen- 'cleanse oneself (especially after urinating or defecating)'	ütülen- 'bore so. stiff'
pullan- 'flake off; scale off'	talaşlan- 'become smudged with sawdust'	verniklen- 'become smudged with varnish'
		yağlan-* 'become dirty with grease; put on sunscreen'
		yalpalan- 'sway about; lurch'
		yüklen- 'take a load upon oneself'
		zehirlen- 'become poisoned'

## 1.3. -AlA + -n verbs

çalkalan- 'oscillate; (of sea) be rough'	saçalan- 'come to have fringes'
debelen- 'struggle and kick'	sarmalan- 'bundle up'
eşelen- 'scratch and scrabble'	silkelen- 'shake oneself; jerk oneself out of a somnolent state'
hırpalan- 'be buffeted about, be upset, illtreated'	ufalan- 'crumble'
oyalın- 'keep oneself amused (in order to ward off boredom or sadness); dawdle'	yakalan- 'be captured; be caught'
	zedelen- 'be bruised'

## 1.4. -ArI + -n verbs

toparlan- 'pull oneself together'

## 1.5. -DA + -n verbs

aldan- 'be deceived; fall for stg.'	mırıldan- 'mutter to oneself; babble'	somurdan- 'grumble with a sulky face'
fırıldan- 'spin round'	mızıldan- 'complain'	vırıldan- 'mutter continuously'
homurdan- 'mutter; grumble'	mızıldan- 'grumble; complain'	vızıldan- 'complain continuously'
kımıldan- 'move'	sızıldan- 'moan with pain'	yelten- 'attempt; dare'
kıpırdan- 'move slightly'		

## 1.6. -IkIA + -n verbs

sürüklen- 'drag oneself'

## 1.7. -İmsA + -n verbs

çekimsen- 'draw back; abstain'

## 1.8. -rA + n verbs

davran- 'behave; bestir oneself'  
iğren- 'be disgusted'imren- 'envy; long for'  
kıvrın- 'writhe; wriggle'yıpran- 'wear out; grow old  
prematurely'

## 2. Reciprocal verbs

## 2.1. Verb + -(I)Ş (-I)Ş verbs denoting reciprocity)

atış- 'quarrel'	didiş- 'push each other about; quarrel'	sarmaş- 'embrace one another'
ayrılış- 'separate from one another'	doyuş- 'be mutually satisfied with stg.'	sataş- <sup>20</sup> 'seek a quarrel'
ayrış- 'be decomposed'	dövüş- 'fight against one another'	savaş- 'fight'
bağdaş- 'come to an agreement'	dürtüş- 'prod one another'	sayış- 'settle accounts with one another'
bağırış- 'shout together'	emiş- 'suck one another'	seviş- 'love or caress one another'
bakış- 'look at one another'	fısıldaş- 'whisper to one another'	soruş- 'question one another'
barış- 'make peace with one another'	fingirdiş- 'dally with'	sövüş- 'swear at one another'
benzeş- 'resemble each other'	geçiş- 'intermix; be diffused'	sürtüş- 'rub against each other; irritate each other'
bıkış- 'become tired of each other'	giriş- 'set about; interfere'	takiş- 'quarrel'
birakiş- 'make a truce'	görüş- 'meet and converse'	taniş- 'make acquaintance with one another'
biliş- 'to become mutually acquainted'	güreş- 'wrestle'	tartış- 'argue, dispute'
biniş- '(for one thing) to be on top of (another)'	itiş- 'push one another'	tepiş- 'kick one another'
bitiş- 'join; be contiguous'	kakış- 'push one another about'	tokuş- 'butt one another; collide'
boğuş- 'be at one another's throat; fight'	kapış- 'snatch stg. from one another; quarrel'	tutuş- 'catch hold of one another; catch fire; quarrel'
bozuş- 'become estranged'	kariş- 'mix'	uyuş- 'come to a mutual understanding'
çağırış- 'call one another'	kavuş- 'meet after a long absence'	vuruş- 'fight'
çapraş- 'intersect'	kesiş- 'intersect, cross'	yakış- 'be suitable or becoming'
çarpiş- 'strike one another'	kıyış- 'come to an agreement; compete against'	yaraş- 'be suitable; harmonize'
çatış- 'come up against one another in dispute'	konus- 'talk'	yazış- 'write to one another; correspond'
çekiş- 'pull one another about'	küşüş- 'get cross with each other'	yeniş- 'try to beat one another'
çeliş- 'conflict'	oynaş- 'play with one another'	
dalaş- '(of dogs) bite one another; quarrel'	ödeş- 'settle accounts'	
daniş- 'consult'	ölçüş- 'measure oneself against so.'	
dayanış- 'act with solidarity'	öpüş- 'kiss one another'	
dayatış- 'be obstinate with each other'	örtüş- 'overlap'	

## 2.2. Verb + -İŞ (-İŞ verbs denoting action towards a source)

birikiş- 'crowd; come together at a place'	sokuş- 'push oneself gently into a place amongst others'
çöküş- 'fall down together'	tikiş- 'be crammed or squeezed together'
deriş- 'concentrate'	toplaş- 'gather together'
doluş- 'crowd into a place'	üşüş- 'throng; pile on'
kapış- 'snatch stg. from one another'	yığış- 'crowd together'

**2.3. Verb + -İş (-İş verbs denoting action from a source)**

çözüş- 'dissociate'	koşuş- 'crowd in; make a concerted rush'
kaçış- 'disperse; flee in confusion'	uçuş- 'fly together'

**2.4. Verb + -İş (-İş verbs denoting activity carried out together)**

ağlaş- 'weep together; complain continually'	haykırış- 'bawl, shout together'
azış- 'become aggravated'	hırıldeş- 'snarl at one another'
bağrış- 'shout together'	katiş- 'join in; mix with others'
bekleş- 'wait or keep watch together'	kaynaş- 'unite; (of a crowd) swarm'
bölüş- 'divide up; share out'	kıvrıdeş- 'move slightly together'
buluş- 'meet; be together with others'	kırış- 'wrinkle'
cıvıdeş- 'chirp together'	ötüş- '(of birds) sing together'
çağrış- 'cry out together; call one another'	sığış- 'go and fit into a confined space with difficulty'
çığrış- 'cry out together or against one another'	titreş- 'shiver; vibrate'
çırpış- 'flutter'	üleş- 'go shares'
fıkırdeş- 'flirt'	ürüş- '(of dogs) howl together'
kıkırdeş- 'giggle together'	vıcırdeş- '(of small birds) chirp together'
gülüş- 'laugh together'	

**2.5. Verb + -İş (-İş verbs denoting change of state)**

değiş- 'change'	geliş- 'grow up; improve'
dönüş- 'transform'	oluş- 'form'

**2.6. Verb + -İş (-İş verbs denoting intensity of action)**

çıkış- 'burst out into anger'	karmaş- 'become complicated'
eriş- 'arrive'	kırpış- 'blink'
giriş- 'set about, undertake'	kızış- 'get angry or excited'
kalkış- 'attempt stg. beyond one's powers'	kokuş- 'stink'
kamaş- 'be dazzled'	pekiş- 'become hard or firm'
	uyuş- 'become numb'

**2.7. Verb + -İş (-İş verbs deriving intransitives from transitives)**

bulaş- 'be smeared; take in hand'	kırış- 'become wrinkled'
buruş- 'be wrinkled, creased'	savuş- 'slip away; pass'
büzüş- 'be constricted, puckered'	sıkış- 'be closely pressed together; be crowded together; be in straits'
dolaş- 'go around; become tangled'	ulaş- 'reach, arrive at'

**2.8. Other -İş verbs<sup>21</sup>**

alış- 'be accustomed'	sırmaş- 'importune; annoy'
apış- 'stand helpless; be completely non-plussed'	sıvaş- 'become sticky; adhere'
çalış- 'work; study'	sıvış- 'disappear; decamp'
eğleş- 'rest oneself; reside'	soğuş- '(of earth) absorb water and be dampened'
depreş- 'move; be stirred; relapse'	yanaş- 'draw near; incline'
iliş- 'touch; interfere with'	yapış- 'stick (to one)'
mayış- 'get drowsy'	yılış- 'grin unpleasantly'
	uğraş- 'struggle; strive hard'

**2.9. Verb + İA + ş (verbs denoting reciprocity)**

anlaş- 'agree'	koklaş- 'smell one another; caress and kiss one another'
bağtlaş- 'agree; contract with'	kucaklaş- 'hug one another'
bağlaş- 'reach an agreement'	kümeleş- 'form groups'
boğazlaş- 'strangle one another'	merhabalaş- 'greet one another'
destekleş- 'support one another'	

elleş- 'touch one another'  
 eşitleş- 'become equal'  
 etkileş- 'influence each other'  
 gagalaş- 'peck one another'  
 gırtlaklaş- 'strangle one another'  
 hırlaş- 'snarl at one another'  
 işaretleş- 'make signs to one another'  
 karşılaş- 'meet face to face'

pençeleş- 'lock fingers with one another and have a  
 test of strength'  
 meleş- 'bleat together'  
 rastlaş- 'meet one another by chance'  
 selamlaş- 'salute one another'  
 söyleş- 'converse'  
 süngüleş- 'bayonet one another'  
 toslaş- 'exchange blows of the heads'  
 yumruklaş- 'exchange blows'

### 3. Causative verbs

#### 3.1. Monosyllabic verbs causativized by the affix -Ir/-Ar

artır- 'increase'	geçir- 'make or let pass'	sızır- 'cause to ooze out;
aşır- 'convey over a height;	göçer- 'run over'	squeeze (money) out of'
steal'	göçür- 'make migrate; make	şaşır- 'become surprised'
batır- 'make stg. sink'	collapse'	şişir- 'blow up; inflate'
bitir- 'finish; complete'	içir- 'make so. drink'	taşır- 'overflow'
çıkır- 'take off'	kaçır- 'kidnap; elope with'	uçur- 'fly (a plane); cause to
doğur- 'give birth to'	kopar- 'break off; sever'	fly'
doyur- 'nourish, satisfy'	onar- 'repair'	yatır- 'put to bed; deposit'
duyur- 'announce'	pişir- 'cook'	yitir- 'lose'
düşür- 'cause to fall; drop'		

#### 3.2. Verbs causativized by the affix -Dir

##### 3.2.1. Monosyllabic verbs causativized by the affix -Dir

açtır- 'cause to open'	boğdur- 'have so. choked,	çektir- 'cause to suffer'
ağdır- 'cause to incline to one	strangled'	çıldır- 'go crazy'
side'	bozdur- 'cause to spoil/ruin;	çırptır- 'cause to shake out/
aldır- 'take notice, pay	(cash) change'	clap one's hands; cause (a
attention; cause to buy'	böldür- 'cause to divide'	bird) to flap (its wings)'
andır- 'bring to mind; bear a	buldur- 'help so. find stg.'	çizdir- 'have stg. drawn/
striking resemblance to'	burdur- 'have stg. twisted or	marked/ scratched'
arttır- 'increase'	wrung'	çöktür- 'cause to collapse;
astır- 'have stg. hung'	büktür- 'have stg. bent;	make (a substance) settle'
aştır- 'cause or allow so. to	twisted'	çözdür- 'have so. untie or
cross or traverse'	büzdür- 'draw together; make	unfasten stg./ solve (a
attır- 'make so. thrown/	so. constrict stg.'	problem)'
expelled'	caydır- 'dissuade; deter'	daldır- 'dip; immerse'
azdır- 'lead astray; drive so.	çoştur- 'carry away; excite;	dedir- 'make or let so. say;
wild'	enthuse'	provoke so. into saying'
baktır- 'cause or allow so. to	çaktır- 'have stg. hammered	değdir- 'touch one thing to
look at; have or let so. look	down; let people take	another'
after so.'	caldır- 'make so. play; get stg.	deştir- 'have stg. dug up'
bastır- 'push down; have stg.	stolen'	deldir- 'have stg. bored,
printed'	çarptır- 'cause or allow (one	pierced'
bezdır- 'harass; plague'	thing) to hit, strike, or	diktir- 'have stg.
bıktır- 'tire out'	bump (another); cause	sewn/planted/ erected'
biçtir- 'have so. cut and shape	(someone's heart) to	dindir- 'stop; quench'
or hew'	palpitate'	dizdir- 'have (things) lined up'
bildir- 'declare; notify'	çattır- 'have so. erect stg. in a	doğdur- 'cause (the sun, the
bindir- 'cause to mount;	makeshift manner'	moon, or a star) to rise'
bump'		doldur- 'fill; charge; load'

dondur- 'freeze'	koydur- 'have stg. put somewhere'	söktür- 'have so. uproot; unstitch'
döktür- 'have stg. poured/cast'	kurdur- 'cause to set up; assemble stg.'	söndür- 'extinguish'
döndür- 'turn; spin'	kustur- 'cause to vomit'	sövdür- 'cause or allow so. to swear at'
dövdür- 'have so. beaten'	küstür- 'offend; hurt'	sundur- 'have so. present stg.'
durdur- 'cause to stop'	ondur- 'improve'	sustur- 'silence'
eğdir- 'bend'	ovdur- 'have/let so. rub/scrub/scour stg.'	sündür- 'stretch'
ektir- 'have (seeds) sown in (a place)'	oydur- 'cause to carve; engrave'	sürçtür- 'cause so. to stumble'
emdir- 'nurse; impregnate; saturate; soak'	ölçtür- 'have so. measure stg.'	sürdür- 'continue'
erdir- 'have so. attain or achieve stg.'	öldür- 'kill'	süzdür- 'have stg. drained; filtered'
estir- 'cause to blow'	öptür- 'let so. kiss'	taktır- 'have stg. attached; pinned'
ettir- 'cause so. to do stg.'	ördür- 'have stg. knitted or braided'	taptır- 'cause so. to worship'
ezdir- 'have stg. squashed; crushed; have a group oppressed'	örtür- 'have stg. covered'	tarttır- 'have stg. weighed'
gerdir- 'have so. stretch, strain'	öttür- 'blow; cause to sing'	tattır- 'have stg. tasted'
gezdır- 'take so. for a walk, on a tour of (a place)'	sağdır- 'have (an animal) milked'	tuttur- 'cause to hold; keep bothering so.; begin and continue'
giydir- 'dress'	saldır- 'attack'	tüttür- 'smoke'
gördür- 'assign a job to so.'	sandır- 'cause to believe, think'	tüydür- 'make so. leave'
güldür- 'make so. laugh'	saptır- 'cause to turn; divert; deviate'	umdur- 'cause to hope, expect stg.'
ındır- 'lower; put down'	sardır- 'cause to wind or wrap'	uydur- 'cause to conform or agree; make up'
ittir- 'shove'	sattır- 'have stg. sold'	vardır- 'let a matter reach a certain point'
ivdir- 'hurry; accelerate'	savdır- 'have so. get rid of so.'	verdir- 'have so. give stg.'
kaldır- 'lift'	saydır- 'cause so. to respect so.; have so. count stg.'	vurdur- 'have so. strike/ kill/ shoot stg.'
kandır- 'beguile; cheat'	seçtir- 'cause to choose'	yaptır- 'have so. do stg.'
kaptır- 'give rein to'	sektir- 'cause to hop, rebound'	yardır- 'have so. split stg.'
kardır- 'have stg. mixed/blended'	serptir- 'have stg. sprinkle or scatter stg.'	yaydır- 'have so. spread stg.'
kaydır- 'dislocate; slide'	sevdir- 'endear'	yazdır- 'have so. write stg.'
kazdır- 'have stg. dug'	sezdir- 'to cause so. to sense or perceive stg.'	yedir- 'feed'
kestir- 'have stg. cut; doze'	sığdır- 'make stg. fit into a container or place'	yettir- 'spin out'
kıldır- 'have so. perform stg.'	sızdır- 'leak'	yığdır- 'have so. heap, pile, or stack (things)'
kırdır- 'discount; cause to break'	siktir- 'piss off'	yıktır- 'have stg. demolished'
kırktır- 'have stg. fleeced'	sildir- 'have so. wipe; erase'	yıldır- 'daunt; intimidate'
kırptır- 'have so. clip stg.'	silktir- 'have so. shake stg.'	yırttır- 'have so. tear/ rend/ rip stg.'
kıstır- 'corner; have so. turn down or diminish the flow or volume of stg.'	sindir- 'digest'	yoldur- 'have stg. plucked; pulled'
kiydır- 'have so. cut up stg.'	soktur- 'have stg. inserted'	yumdur- 'cause to close (eye)'
kızdır- 'anger'	soldur- 'cause stg. to fade'	yuttur- 'cause to swallow; take in by a lie'
kondur- 'put on; imprint'	sordur- 'have so. ask/ inquire about so./stg.'	yüzdür- 'float (a sunken ship)'
koştur- 'cause to run'	soydur- 'have so. undress another; peel stg.'	
kovdur- 'have one person drive another away'		

## 3.2.2. -An + -Dir

abandır- 'have so. lean down on'	dayandır- 'lean (one thing) against (another), base stg. on (another).	inandır- 'make so. believe'
beğendir- 'get so. to like or approve of'		kazandır- 'make so. win, earn'

boşandır- 'cause or allow (a couple) to get a divorce'  
bulandır- 'blur; muddy'  
dadandır- 'cause to get a taste for'

dilendir- 'have so. beg'  
dolandır- 'swindle; cheat'  
gönendir- 'bring prosperity to; please'  
gücendir- 'make so. be offended'

kıskandır- 'make so. jealous'  
özendir- 'make so. desire stg.'  
usandır- 'bore; sicken'  
utandır- 'make ashamed'  
uyandır- 'wake so. up'

### 3.2.3. -Et + -Dİr

gözetir- 'make so. watch stg. secretly'

### 3.2.4. Et + -Dİr

affettir- 'beg so. off'  
aksettir- 'reflect; echo'  
azmettir- 'cause to resolve upon'

hapsettir- 'have so. put in jail'  
hissettir- 'make so. feel'  
kaydettir- 'make so. enroll'

keşfettir- 'make so. discover'  
meylettir- 'cause to incline'

### 3.2.5. -İk + -Dİr

acıktır- 'make hungry'  
biriktir- 'collect; save up'

çiziktir- 'jot; scribble'  
geciktir- 'hold in delay; procrastinate'

### 3.2.6. -In + -Dİr

arındır- 'purify'  
acıdır- 'arouse pity for; ask for sympathy'  
açındır- 'cause to grow'  
aşındır- 'abrade; corrode'  
avundur- 'console; comfort'  
barındır- 'shelter; accommodate'  
bulundur- 'keep handy; carry'  
çözündür- 'solubilize; dissolve'  
devindir- 'put in motion, move, impel'  
dokundur- 'cause to touch; hint'  
düşündür- 'preoccupy; make so. think'  
esindir- 'inspire'  
geçindir- 'maintain; support'  
gocundur- 'cause to take offense'

ıkındır- 'make so. strain (while defecating); make (a woman in childbirth) push'  
ılındır- 'warm stg. up slightly'  
ııındır- 'cause so. to warm to; cause so. to like'  
kalkındır- 'develop; improve'  
kaşındır- 'make so. itch; irritate'  
sevindir- 'please'  
sezindir- 'make so. sense'  
sıvındır- 'liquefy (a gas).'  
silkindir- 'cause so. to shake himself'  
süründür- 'make crawl'  
tepidir- 'cause to start kicking and stamping (with anger or rage)'

### 3.2.7. -İş+ -Dİr verbs

#### i. -İş + -Dİr (verbs denoting change of state)

değiştir- 'change; substitute'  
dönüştür- 'transform'

geliştir- 'improve'  
oluştur- 'form, constitute'

#### ii. -İş + -Dİr (verbs denoting intensity of action)

çıkıştır- 'to gather together (a sum of money)'  
eriştir- 'convey; bring to a place'  
kamaştır- 'dazzle'  
kızıtır- 'increase the fury or violence of'

koğuştur- 'putrefy'  
pekiştir- 'intensify; stiffen'  
uyuştur- 'numb'  
yatıştır- 'calm; abate'  
yetiştir- 'bring up; convey (news)'

#### iii. Other -İş + -Dİr verbs

alıştır- 'accustom'  
anlaştır- 'make so. come to an agreement with so.'  
ayrıştır- 'parse; decompose'

azıştır- 'cause stg. to become aggravated'  
bağrıştır- 'cause to shout together'

barıştır- 'reconcile; make peace among'  
bitiştir- 'adhere; concatenate'

bölüştür- 'divide stg. among a group'	güreştir- 'make so. wrestle'	sırnaştır- 'make so. to persist exasperatingly in asking for stg.'
bulaştır- 'infect; smear'	iliştir- 'attach'	sıvaştır- 'cause to become sticky'
buruştur- 'crease; wrinkle'	kapıştır- 'incite people to fight with each other'	sövuştür- 'cause to swear at each other'
büzüştür- 'cause to wrinkle/crinkle'	kariştir- 'mix'	sürtüştür- 'rub two things together'
çakıştır- 'superpose'	karmaştır- 'complicate'	tanıştır- 'introduce'
çalıştır- 'work so; make stg. work'	katiştir- 'add stg. to a substance'	titreştir- 'cause to tremble'
çarpiştir- 'strike (two things together)'	kavuştur- 'bring together'	tokuştur- 'cause to collide; clink glasses'
çatıştır- 'cause or allow (people) to quarrel, clash'	kaynaştır- 'integrate; fuse'	tutuştir- 'set on fire; cause to quarrel'
depreştir- 'cause to be stirred'	kırıştir- '(of a woman) carry on with a man'	uğraştır- 'cause annoyance to, disturb'
dolaştır- 'take so. out for a walk; wind or tangle stg. around stg. else'	konuştir- 'get/ make so. to talk'	ulaştır- 'cause to reach'
dövüştür- 'cause to fight with one another'	koşuştur- 'rush from one place to another'	uyuştur- 'benumb'
emiştir- 'cause to suck one another'	ölçüştür- 'compare (two things) by putting them side by side'	üleştir- 'share out'
görüştür- 'bring about a meeting between one person and another'	sığıştır- 'to squeeze (people, things) into (a relatively small space)'	yakıştır- 'think stg. becoming to a person; expect stg. of a person'
	sıkıştır- 'press; squeeze'	

## 3.2.8 -It + -DİR

işittir- 'cause so. to hear stg.'

unutur- 'cause so. to forget stg.'

## 3.2.9. -lAn + -DİR

adlandır- 'name; entitle'	bilinçlendir- 'make so. conscious of stg.'	dillendir- 'cause to become a subject of gossip'
ağaçlandır- 'afforest'	borçlandır- 'debit'	dinlendir- 'let rest'
ağıldandır- 'have so./ stg. poisoned'	boyunlandır- 'extend the coverage of stg.'	duygulandır- 'move so. emotionally'
akıllandır- 'bring so. to his senses'	bölümlendir- 'departmentalize'	eğlendir- 'amuse'
alacalandır- 'cause to become pied/ multicolored'	buğulandır- 'mist stg. up'	elektriklendir- 'electrify'
alakalandır- 'concern'	canlandır- 'enliven'	esaslandır- 'consolidate; fortify'
alevlendir- 'inflamm'	cemilendir- 'pluralize'	evlendir- 'marry off'
anlamlandır- 'give meaning to'	cesaretlendir- 'encourage'	faizlendir- 'cause to yield interest'
ateşlendir- 'provoke'	cevaplandır- 'respond'	ferahlandır- 'make spacious'
atlandır- 'provide so. with a mount'	cezalandır- 'punish'	fiyatlandır- 'price'
ayaklandır- 'incite a riot'	çalılandır- 'make a place green by planting shrub'	gazaplandır- 'enrage'
ayazlandır- 'cause to become cold'	çeşitlendir- 'diversify'	gerekçelendir- 'justify'
baharatlandır- 'spice'	çiçeklendir- 'decorate with flowers'	gölgelendir- 'shade'
balıklandır- 'garnish with fish'	çimlendir- 'turf'	görevlendir- 'employ'
ballandır- 'praise extravagantly'	çullandır- 'cause to attack so.'	gruplandır- 'group'
belgelendir- 'document'	dalgalandır- 'wave'	güçlendir- 'strengthen'
biçimlendir- 'shape'	dallandır- 'ramify'	gümrüklendir- 'clear stg. through customs'
bilgilendir- 'inform'	değerlendir- 'evaluate'	hararetlendir- 'excite'
	demlendir- 'steep'	hareketlendir- 'set in motion'
	derecelendir- 'grade'	hastalandır- 'make so. sick'
	detaylandır- 'elaborate'	havalandır- 'air'



heyecanlandır- 'excite'  
 hırslandır- 'infuriate'  
 hızlandır- 'accelerate'  
 hiddetlendir- 'exasperate'  
 hudutlandır- 'limit'  
 huylandır- 'disturb'  
 hüznülendir- 'sadden'  
 ışıklandır- 'illuminate'  
 ışınlandır- 'cause to become exposed to radiation'  
 içlendir- 'cause to become touched; affected'  
 ifadelendir- 'make stg. carry a meaning'  
 ilgilendir- 'concern'  
 ilişkilendir- 'associate'  
 isimlendir- 'entitle'  
 isteklendir- 'encourage'  
 işkillendir- 'arouse so.'s suspicion'  
 iştahlandır- 'arouse one's appetite'  
 kademelendir- 'separate into graded ranks'  
 kadrolandır- 'employ permanently'  
 kanatlandır- 'please; exalt'  
 kanıtlandır- 'verify'  
 kanlandır- 'smear stg. with blood'  
 kapılandır- 'place so. in the service of'  
 katlandır- 'get so. to endure a difficult situation'  
 kaygılandır- 'worry'  
 kederlendir- 'aggrieve'  
 kıymetlendir- 'increase the value of'  
 klorürlendir- 'add / turn into chloride'  
 kokulandır- 'aromatize'  
 konumlandır- 'position'  
 konuşlandır- 'deploy'  
 koşullandır- 'condition'  
 köklendir- 'root'  
 kredilendir- 'cause to take credit'  
 kristallendir- 'cause to crystallize'  
 kullanır- 'make so. use stg.'  
 kurtlandır- 'cause stg. to become infested with worms'  
 kurşlandır- 'itemize (a bill)'  
 kuşkulandır- 'make suspicious'

kuvvetlendir- 'strengthen'  
 küflendir- 'mildew'  
 lezzetlendir- 'make (food) taste delicious'  
 manalandır- 'give meaning to'  
 mayalandır- 'ferment'  
 meraklandır- 'make so curious'  
 mutlandır- 'make so. happy'  
 mutlulandır- 'make so. happy'  
 mükâfatlandır- 'reward'  
 müziklendir- 'compose music for stg.'  
 nemalandır- 'cause to accumulate interest'  
 nemlendir- 'moisten'  
 neticelendir- 'conclude'  
 nitelendir- 'qualify'  
 numaralandır- 'number'  
 nurlandır- 'cause to become clean and radiant'  
 onurlandır- 'honor'  
 oyalandır- 'cause to keep so. amused to avoid boredom'  
 ödevlendir- 'give so. a duty'  
 ödüllendir- 'award'  
 öfkelenir- 'anger'  
 ölçülendir- 'transfer measurements on a plane'  
 örgütlendir- 'organize'  
 örneklendir- 'exemplify'  
 paslandır- 'corrode'  
 payelendir- 'promote'  
 pirelendir- 'cause stg. to become infested with fleas'  
 projelendir- 'project'  
 puanlandır- 'give points; grade (a test)'  
 puslandır- 'cause to become hazy'  
 renklendir- 'color'  
 resimlendir- 'illustrate'  
 ruhsatlandır- 'authorize'  
 rutubetlendir- 'humidify'  
 sallandır- 'suspend'  
 sayfalandır- 'paginate'  
 seslendir- 'vocalize'  
 sıfatlandır- 'qualify'  
 sınıflandır- 'classify'  
 sınırlandır- 'limit'  
 silahlandır- 'arm'  
 silahsızlandır- 'disarm'  
 sinirlendir- 'irritate'

sislendir- 'smoke'  
 sonlandır- 'terminate'  
 sonuçlandır- 'conclude'  
 sözlendir- 'dub'  
 suçlandır- 'accuse'  
 sulandır- 'dilute'  
 süratlendir- 'accelerate'  
 sürüklendir- 'allow stg. to drag on'  
 süslendir- 'have so. decked out'  
 sütlendir- 'increase lactation'  
 şahlandır- 'make a horse rear up'  
 şartlandır- 'condition'  
 şekillendir- 'shape'  
 şenlendir- 'cheer'  
 şereflendir- 'honour'  
 şiddetlendir- 'aggravate'  
 şümüllendir- 'extend the scope of'  
 şüphelendir- 'cause so. to suspect'  
 taksitlendir- 'make a sum due payable on the installment plan'  
 tariflendir- 'describe'  
 tarihlendir- 'date'  
 tatlandır- 'flavour'  
 tavlandır- 'worry'  
 telaşlandır- 'alarm'  
 tellendir- 'puff'  
 temellendir- 'establish firmly'  
 teşkilatlandır- 'organize'  
 topraklandır- '(for the state) give land to (a landless farmer)'  
 töhmetlendir- 'accuse'  
 tüylendir- 'fledge'  
 umutlandır- 'give hope to'  
 ücretlendir- 'fix the market value of stg.'  
 ümitlendir- 'give hope to'  
 vasıflandır- 'qualify'  
 vazifelendir- 'charge so. with a duty'  
 vergilendir- 'tax'  
 yaylandır- 'make stg. springy'  
 yetkilendir- 'authorize'  
 yiğitlendir- 'inspire so. with courage'  
 yönlendir- 'direct'  
 yüreklendir- 'encourage'

## 3.2.10. -lAş + -Dir

abideleştir- 'make so./stg. a lasting symbol'	bayındırlandır- 'build up; make prosperous'	damaksıllaştır- 'palatalize'
acayıpleştir- 'make stg. weird'	bedbinleştir- 'make so. pessimistic'	darlaştır- 'constrict'
aceleleştir- 'hurry stg.'	belirginleştir- 'make clear'	demokratikleştir- 'democratize'
acemleştir- 'make stg. Persian'	berraklaştır- 'clarify, make stg. limpid'	dengesizleştir- 'cause to be unstable'
acılaştır- 'embitter'	biçimselleştir- 'formalize'	denkleştir- 'offset'
açıklaştır- 'lighten 'a color''	bileştir- 'compound, combine with'	derinleştir- 'deepen'
adileştir- 'make stg. vulgar'	bilimselleştir- 'make stg. scientific'	devleştir- 'cause to become gigantic'
afallaştır- 'astonish'	billirleştir- 'crystallize'	devletleştir- 'nationalize'
ağdalaştır- 'coagulate'	bireyleştir- 'individualize'	deyimleştir- 'make stg. idiom'
ağırlaştır- 'make heavier'	bireyselleştir- 'make stg. individualistic'	dışlaştır- 'express'
ahenkleştir- 'harmonize'	birleştir- 'unite'	dikleştir- 'steepen'
ahmaklaştır- 'make one act like a fool'	bollaştır- 'widen'	dinamikleştir- 'make stg. dynamic'
akılsallaştır- 'make stg. logical'	buharlaştır- 'evaporate'	dinginleştir- 'passivate'
akışkanlaştır- 'liquefy'	bulanıklaştır- 'blur'	dişileştir- 'feminize'
aklaştır- 'make stg. white'	cansızlaştır- 'make stg. lifeless'	dişilleştir- 'put (a word) into its feminine gender'
akortsuzlaştır- 'make something out of tune'	cazibeleştir- 'make stg. attractive'	divaneleştir- 'cause to become crazy'
aktifleştir- 'capitalize'	cazipleştir- 'make stg. appealing'	dizeleştir- 'poeticize'
alafrangalaştır- 'cause to adopt European style'	crivıklaştır- 'cause to become squishy'	dogmaladır- 'make stg. dogmatic'
alaturkalaştır- 'cause to adopt Turkish style'	çabuklaştır- 'speed up'	doğallaştır- 'make stg. natural'
alçaklaştır- 'make stg. low'	çağcılaştır- 'modernize'	doğululaştır- 'cause to adopt an eastern way of life'
alıklaştır- 'cause stg. to be astounded'	çağdaştır- 'contemporize'	doğurganlaştır- 'make so. fertile'
Almanlaştır- 'Germanize'	çapaçullaştır- 'cause to become idle, vagrant'	donuklaştır- 'deaden'
analaştır- 'make so. become like a mother'	çarpıklaştır- 'make stg. crooked'	dramatikleştir- 'dramatise'
anıtlaştır- 'cause to acquire a monument status'	çatalaştır- 'cause stg. to fork'	durgunlaştır- 'make calm'
anlamsızlaştır- 'make stg. meaningless'	çelikleştir- 'make stg. steel-like'	duyarsızlaştır- 'desensitize'
aptallaştır- 'stupefy'	çeteleştir- 'make stg. a gang'	ebedileştir- 'eternalize'
Arapçalaştır- 'make stg. Arabic'	çetinleştir- 'make stg. difficult'	edilgenleştir- 'passivize'
Araplaştır- 'Arabize'	çevikleştir- 'make so. nimble'	efsaneleştir- 'cause to become a legend'
arılaştır- 'purify'	çıplaklaştır- 'denude'	ehlileştir- 'tame'
Arnavutlaştır- 'make so./stg. Albanian'	çiftleştir- 'mate'	ekleştire- 'cause to become an affix'
askerileştir- 'militarize'	çirkinleştir- 'make so. ugly'	ergenleştir- 'cause to become an adolescent'
bağdaşıklaştır- 'become homogenous'	çocuklaştır- 'cause to become childish'	esmerleştir- 'brown'
bağımsızlaştır- 'make so./stg. independent'	çoğullaştır- 'pluralize'	esnekleştir- 'elasticize'
basıklaştır- 'make stg. flattened, depressed'	çopurlaştır- 'make stg. pockmarked'	eşitleştir- 'equalize'
basitleştir- 'simplify'	çoraklaştır- 'make stg. barren'	eşleştir- 'pair'
başkalaştır- 'alter, metamorphose'	çölleştir- 'cause to become desert-like'	eterleştir- 'etherify'
batılılaştır- 'westernize'	dalgınlaştır- 'make so. abstracted'	etkinleştir- 'activate'
bayağılaştır- 'vulgarize'		etkisizleştir- 'deactivate'
		evcilleştir- 'domesticate'
		evrenselleştir- 'universalize'
		fakirleştir- 'impoverish'
		farklılaştır- 'diversify'



perçinleştire- 'buttress'	sıcaklaştire- 'make stg. warmer'	termikleştire- 'turn stg. into thermic'
pihtılaştire- 'coagulate'	sıfatlaştire- 'adjectivize'	tezleştire- 'make stg. quicker'
plazmalaştire- 'turn stg. into plasma'	sıkılaştire- 'tighten'	tiplleştire- 'characterize'
polimerleştire- 'polymerize'	sıkılaştire- 'increase the frequency of stg.'	tiyatrolaştire- 'dramatize'
pratikleştire- 'make stg. handy'	sıradanlaştire- 'banalize'	topaklaştire- 'cause to become lumpy'
profesyonelleştire- 'professionalize'	silikleştire- 'make stg. indistinct'	toplumlaştire- 'turn stg. into society'
programlaştire- 'make stg. into a program'	simgeleştire- 'symbolize'	toplumsallaştire- 'communalize'
putlaştire- 'idolize'	sinemalaştire- 'turn stg. into a movie'	tozlaştire- 'atomize'
radikalleştire- 'radicalize'	sistemleştire- 'systemize'	tunçlaştire- 'turn stg. into bronze'
rasyonelleştire- 'rationalize'	sivilleştire- 'civilize'	Türkçeleştire- 'make stg. Turkish'
resmileştire- 'formalize'	sivrileştire- 'sharpen'	türkleştire- 'Turkify'
robotlaştire- 'robotize'	sloganlaştire- 'sloganize'	Türküleştire- 'make stg. a folksong'
romanlaştire- 'fictionize'	soğuklaştire- 'make stg. cold'	uydulaştire- 'make stg. a satellite'
ruhsuzlaştire- 'cause to become dull'	somutlaştire- 'concretize'	uzaklaştire- 'send away; to estrange'
Rumlaştire- 'cause to become Greek'	sosyalleştire- 'socialize'	uzlaştire- 'reconcile'
Ruslaştire- 'Russianize'	soysuzlaştire- 'cause to degenerate'	üsluplaştire- 'stylize'
sabitleştire- 'firm'	soyutlaştire- 'make stg. abstract'	vatanlaştire- 'turn stg. into a homeland'
sabunlaştire- 'saponify'	sömürgeleştire- 'colonize'	verimsizleştire- 'make stg. unproductive/ infertile'
sadeleştire- 'simplify'	standartlaştire- 'standardize'	yansızlaştire- 'neutralize'
saflaştire- 'purify'	suskunlaştire- 'make so. quiet'	yavanlaştire- 'make stg. dull; tasteless'
sağlamlaştire- 'fortify'	süblimleştire- 'sublimate'	yenileştire- 'renew'
sahileştire- 'cause to come true'	Şarkılaştire- 'make so. eastern'	yerelleştire- 'localize'
sakızlaştire- 'make stg. mastic'	şeffaflaştire- 'cause to become transparent'	yerleştire- 'locate'
sakinleştire- 'pacify'	şehirleştire- 'urbanize'	yoğunlaştire- 'concentrate'
sanayileştire- 'industrialize'	şekerleştire- 'turn stg. into sugar'	yozlaştire- 'cause to degenerate'
sarılaştire- 'cause to turn yellow'	şemalaştire- 'schematize'	yüzeyselleştire- 'make stg. superficial'
sathileştire- 'make stg. superficial'	şıklaştire- 'titivate'	yüzsüzleştire- 'cause to become impudent, shameless'
saydamlaştire- 'make stg. transparent'	şiirleştire- 'poeticize'	
sembolleştire- 'symbolize'	tabiileştire- 'normalize'	
sendikalaştire- 'turn stg. into a union'	tabulaştire- 'make stg. tabooed'	
sertleştire- 'harden'	tanrılaştire- 'deify'	
sevimmileştire- 'make stg. cute'	tarafsızlaştire- 'neutralize'	
sevimsizleştire- 'make stg. unlikable'	tatlılaştire- 'sweeten'	
seyrekleştire- 'rarefy'	tekelleştire- 'monopolize'	
	tembelleştire- 'cause to become lazy'	
	temelleştire- 'establish firmly'	

## 3.2.11. -rA + n + -Dİr

iğrendir- 'disgust; sicken'

kıvrandır- 'make suffer, agonize'

imrendir- 'arouse so.'s appetite, make envious'

## 3.2.12. -sİn + -Dİr

tiksindir- 'make so. be disgusted with stg.'

## 3.2.13. Nomen + -Dİr

gerektir- 'necessitate'

### 3.3. Verbs causativized by the affix -t

#### 3.3.1. Monosyllabic verbs causativized by the affix -It

akıt- 'flow'	devit- 'make stg. move'	sapıt- 'go crazy; talk nonsense'
azıt- 'go too far; become unreasonable'	kokut- 'stink; break wind'	sarkıt- 'dangle'
çarpit- 'make crooked or awry'	korkut- 'frighten'	ürküt- 'recoil'

#### 3.3.2. -A + -t<sup>22</sup>

adat- 'cause to vow'	döşet- 'cause to lay down; spread (carpet, etc.)'	susat- 'make thirsty'
arat- 'make so. regret or long for stg.'	esnet- 'stretch; make so. yawn'	tarat- 'cause to comb, scan'
benzet- 'liken; mistake a person for another'	gevşet- 'loosen; slacken'	tıkat- 'cause to plug'
bezet- 'cause to adorn'	işet- 'cause so. to urinate'	tüket- 'consume'
bilet- 'cause to sharpen'	kanat- 'cause to bleed'	türet- 'derive'
boşat- 'let so. be divorced'	kapat- 'close'	uğrat- 'cause to stop at/ encounter'
boyat- 'cause to paint'	kuşat- 'surround; besiege'	uzat- 'extend; make longer'
budat- 'cause to prune'	okşat- 'make so. caress, fondle'	üret- 'produce'
bulat- 'cause to smear'	oynat- 'move; cause to play; go off one's head'	yalat- 'cause to lick'
çalkat- 'cause to rinse'	ödret- 'cause to pay'	yamat- 'cause to darn/ mend'
dayat- 'cause to lean against; fling an accusation or refusal in so.'s face'	öğret- 'teach'	yarat- 'create'
diret- 'insist; show obstinacy'	sınat- 'cause to try/ test'	yaşat- 'cause or allow to live; keep alive'
donat- 'deck out, ornament'	sıvat- 'cause to plaster'	yıkāt- 'cause to wash'
		yumuşat- 'soften'

#### 3.3.3. -Al /-Il + -t

alçalt- 'lower, reduce'	darılt- 'make so. cross'	kocalt- 'age, put years on so.'
ayılt- 'restore so. to full consciousness; sober so. up'	dirilt- 'resuscitate'	koyult- 'thicken; darken'
azalt- 'lessen; reduce'	doğrult- 'put straight or right'	körelt- 'cause to atrophy or decline'
bayılt- 'cause to faint'	durult- 'cause to become lucid'	küçült- 'make smaller'
boşalt- 'empty; evacuate'	düzelt- 'correct; adjust'	sağalt- 'treat; cure'
bunalt- 'distress'	eğrilt- 'bend; warp'	seyrelt- 'dilute; thin down'
büyült- 'enlarge'	eksilt- 'reduce'	sivrilt- 'point; sharpen'
çoğalt- 'increase'	incelt- 'make thin'	şenelt- 'populate; make a place well populated'
çökelt- 'make (a substance) precipitate'	irkilt- 'startle'	ufalt- 'make stg. smaller'
çömlt- 'have so. squat down'	katılt- 'make so. laugh so hard he chokes'	yanılt- 'belie; mislead'
daralt- 'narrow; contract'	kaykılt- 'cause to lean back'	yönelt- 'direct; orient'
	kısalt- 'shorten; abbreviate'	yücelt- 'deify; elevate'

#### 3.3.4. -AlA + -t

çalkalat- 'have so. shake or rinse'	silkelet- 'have so. shake stg. off'
eşelet- 'cause to scratch about'	şaşalat- 'cause to be bewildered'
hırpalat- 'cause stg. to be buffeted'	tırmalat- 'cause to scratch'
kovalat- 'cause to chase; run after'	ufalat- 'cause to crumble'
ovalat- 'have so. rub or massage stg.'	yakalat- 'cause to catch'
sarmalat- 'cause to wrap'	

#### 3.3.5. -Ar/ -Ir + -t

abart- 'exaggerate'	ağart- 'whiten; clean'	aksırt- 'cause to sneeze'
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anirt- 'cause to bray'	göttürt- 'have so. take stg./ so. from (one place) to (another)'	sarart- 'make stg. turn yellow'
aşirt- 'cause to pass over/ steal'	hapşurt - 'cause to sneeze'	onar- 'have so. repair or restore stg.'
ayırt- 'put aside; reserve'	ısırt- 'cause to bite'	otur- 'seat; sit so. down'
belirt- 'point out'	içirt- 'cause to drink'	savurt- 'have so. blow about/ scatter stg.'
böğürt- 'cause to bellow'	kabart- cause to swell; blister; puff out, fluff; emboss'	seğirt- 'rush; twitch involuntarily'
çağirt- 'make so. call out'	kaçirt- 'have so. help (another) to escape; cause so. to miss (a vehicle, a chance)'	semirt- 'fatten up; plump out'
çevirt- 'cause to turn around/ translate'	kanirt- 'twist loose; bend'	seyirt- 'run'
çıkart- 'cause to take out'	karart- 'blacken'	sıyirt- 'cause to scrape'
çökert- 'cause to collapse, overthrow'	kavurt- 'have stg. roasted'	somurt- 'sulk; frown'
delirt- 'drive mad'	kayirt- 'cause so. to get preferential treatment'	süpürt- 'have so. sweep'
doğurt- 'deliver'	kıvırt- 'have so. curl or twist stg.'	şaşırt- 'put so. out of countenance; confuse; puzzle; bewilder'
düşürt- 'cause to drop; cause to miscarry'	kızart- 'fry'	şımart- 'spoil; cosset'
eğirt- 'have so. spin stg.'	kopart- 'break off; pull off'	şişirt- 'have so. inflate stg'
emzirt- 'have so. nurse a baby'	kökert- 'layer, propagate (a plant) by layering'	uçurt- 'have so. fly stg.; have so. let stg. fly away'
evirt- 'invert'	köpürt- 'make foam, lather'	ürpert- 'make so. shudder; send a cold chill down someone's spine'
gebert- 'kill'	kudurt- 'enrage so.'	yalvart- 'make a person entreat or implore another; make a person plead with another'
geçirt- 'have so. pass stg. through'	morart- 'make purple; bruise'	yeşert- 'cause (a plant) to leaf out; make (a place) green'
getirt- 'cause to bring, call up, send for'	onar- 'have so. repair or restore stg.'	yoğurt- 'cause to knead/ mold'
gidert- 'cause to remove, eliminate'	otur- 'sit'	
göçert- 'knock down, demolish'	öğürt- 'cause to belch'	
göçürt- 'cause to collapse or cave in'	öksürt- 'cause to cough'	
	pişirt- 'have so. cook stg.'	

## 3.3.6. -ArI + -t

toparlat- 'have so. tidy up'	uyarlat- 'have so. to adapt or modify stg.'	yuvarlat- 'have so. roll stg.'
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## 3.3.7. -DA + -t

cayırdat- 'make (a fire) crackle or roar'	fırıldat- 'whirl, spin sth. round'	inildet- 'cause to moan; groan'
cazırdat- 'make stg. crackle'	fişirdat- 'cause to fizz, fizzle'	kıkırdat- 'make so. giggle'
cıyırdat- 'cause (paper, cloth) to make a sound when ripped or torn'	fokurdat- 'make stg. splash'	kımıldat- 'move slightly'
cızırdat- 'make stg. sizzle or sputter'	fosurdat- 'smoke noisily; puff'	kıpırdat- 'move; stir'
cumbuldat- 'cause to make a sloshing sound'	foşurdat- 'cause to splash'	kıtırdat- 'crackle'
çakıldat- 'shake stg. noisily'	gacırdat- 'make stg. creak'	kütürdet- 'snap; crunch'
çatırdat- 'crack'	gıcırdat- 'make creak; gnash the teeth'	parıldat- 'make stg. gleam'
çingırdat- 'tinkle, jangle'	gümbürdet- 'make stg. thunder, rumble'	patırdat- 'patter or clatter (one's feet)'
dımbırdat- 'strum, thrum'	hışıldat- 'make stg. rustle'	ptırdat- 'make stg. patter'
fıkırdat- 'make stg. bubble and boil'	hışırdat- 'make stg. rustle'	pofurdat- 'make stg. puff'
	hopurdat- 'slurp'	şakırdat- 'clank, rattle'
	höpürdet- 'slurp; sip noisily'	şangırdat- 'clink'
	ışıldat- 'make stg. sparkle'	şapırdat- 'smack'
		şıkırdat- 'rattle, clink, jingle'
		takırdat- 'clatter'

tangırdat- 'clang'  
tıkırdat- 'rattle; tap'  
tingıldat- 'tinkle'  
tingırdat- 'clink; clang'

tıpırdat- 'tap lightly'  
tokırdat- 'make a hookah  
bubble'

zımbırdat- 'twang; strum on a  
stringed instrument'

### 3.3.8. -DAt + -t

aktart- 'cause to transfer'  
göndert- 'have stg. sent'

göstert- 'have so. show, indicate, denote stg.'

### 3.3.9. -I/-U + -t

ağrı- 'hurt; cause pain'  
avut-<sup>23</sup> 'console; delude'  
berkit- 'fortify; reinforce'  
büyüt- 'enlarge; grow; raise'  
cıvıt- 'cause stg. to degenerate  
into something else'  
çürüt- 'make stg. decay; refute  
stg.'  
dokut- 'have stg. woven'  
erit- 'melt'  
ılıt- 'make tepid or slightly  
warm'

ışıt- 'illuminate'  
iğrit- 'bend'  
incit- 'hurt; offend; strain'  
kazıt- 'have stg. scraped or  
scraped off'  
kaşıt- 'make so. scratch stg.'  
korut- 'have stg. protected'  
kurut- 'dry'  
soğut- 'cool; alienate'  
solut- 'make so. pant for  
breath'  
sürüt- 'make stg. drag'

tanıt- 'introduce; present'  
taşı- 'have so. carry or  
transport stg.'  
tozut- 'raise dust; go nuts'  
ulut- 'make stg. howl'  
uyut- 'cause to sleep'  
üşüt- 'cause to feel cold; catch  
cold'  
yürüt- 'walk so.; perform;  
steal'

### 3.3.10. -I/AkIA + -t

açıklat- 'make so. explain stg.'  
ayıklad- 'have stg. picked over/ shelled'

duraklat- 'bring to a standstill'  
sürüklet- 'have so. drag stg./so.'

tutuklat- 'have so.  
arrested'

### 3.3.11. -ImSA + -t

anımsat- 'remind of'  
benimset- 'get or allow so. to appropriate stg.;  
consider or treat stg. as his/her own; get so. to  
accept stg.'

duyumsat- 'make so feel stg.'  
gülümset- 'cause so. to smile'  
özümset- 'make so. digest, assimilate stg.'

### 3.3.12. -KI + -t

okut- 'educate; instruct'

şakıt- 'make so. sing'

### 3.3.13. -Kİr + -t

bağır- 'make so. shout'  
fişkirt- 'make stg. gush or squirt'  
haykırt- 'cause so. to shout'  
geğirt- 'cause so. to burp'

hıçkırt- 'cause so. to hiccup'  
kışkırt- 'provoke, incite'  
püskürt- 'spray; dust'  
sümkür- 'blow one's nose'

### 3.3.14. -IA + -t

açkıl- 'have stg. polished'  
afallat- 'astonish'  
ağırlat- 'have one person  
entertain another'  
ağlat- 'make so. cry'  
akaçlat- 'have stg. drained'  
akortlat- 'have stg. keyed'  
akşamlat- 'cause so. to stay  
until evening'  
alçıl- 'have stg. plastered'

algılat- 'cause to perceive'  
aralat- 'have stg. opened  
slightly'  
astarlat- 'have stg. lined'  
aşağılat- 'embarrass'  
aşılat- 'have so. vaccinated'  
ateşlet- 'have so. shoot a gun'  
atlat- 'overcome'  
avlat- 'have stg. hunted'  
ayarlat- 'have stg. adjusted'

ayazlat- 'cool stg. by putting it  
out in the cold'  
aydınl- 'enlighten'  
azarlat- 'have so. scolded'  
badanalat- 'have stg.  
whitewashed'  
bağışlat- 'get so. to donate  
stg.'  
bağlat- 'have so. tie stg. up'

- bandajlat- 'have stg. bandaged'  
başlat- 'initiate'  
bayatlat- 'make stg. stale'  
beklet- 'make so. wait'  
bellet- 'cause to learn by heart'  
beslet- 'have one person feed another'  
beyazlat- 'whiten'  
bıçaklat- 'have so./stg. stabbed'  
bocalat- 'cause to baffle'  
boğazlat- 'have so. slaughtered'  
bollat- 'loosen; make plentiful'  
bombalat- 'have a place bombed'  
boynuzlat- 'have so. cuckolded'  
bütünlüt- 'have stg. completed'  
camlat- 'have stg. covered with glass'  
cıyaklat- 'cause to squawk'  
cılalat- 'have so. polish stg.'  
ciltlet- 'have a book bound'  
coplat- 'have so. struck with a truncheon'  
cumbalat- 'have so. smooth off the rough edge of stg.'  
çamurlat- 'have so. muddy stg.'  
çapalat- 'have so. mattock (earth, plants)'  
çarşafılat- 'have a sheet sewed to a quilt'  
çatlat- 'crack'  
çayırлат- 'put (an animal) out to pasture'  
çemberlet- 'cause to encircle'  
çerçevelet- 'have stg. framed'  
çıkılat- 'have things bundled in a cloth'  
çınçınlat- 'clink glasses when toasting'  
çınlat- 'make stg. reverberate'  
çıtlat- 'drop a hint'  
çimentolat- 'have stg. cemented'  
çivilet- 'have stg. nailed'  
çukurlat- 'make stg. concave'  
çuvallat- 'have things put in a sack; cause so. to fail'
- dağlat- 'have so. cauterize a wound'  
damgalat- 'have so. seal'  
dehlet- 'cause to urge an animal'  
demetlet- 'have stg. tied up in bunches'  
depolat- 'have so. store'  
derinlet- 'deepen'  
dinlet- 'have so. listen'  
dipçiklet- 'cause to be clubbed with a rifle butt'  
dişlet- 'have so. bite'  
düzlet- 'make flat'  
eğelet- 'have stg. filed with a file'  
eklet- 'have stg. added to'  
ezberlet- 'have so. memorize stg.'  
ferahlat- 'make spacious'  
firçalat- 'have stg. brushed'  
fırınlat- 'have stg. kiln-dried'  
fırlat- 'throw'  
foslat- 'flatten'  
galvanizlet- 'have stg. galvanized'  
geçerlet- 'cause to pass'  
genişlet- 'widen'  
gerilet- 'cause to go back'  
gözetlet- 'have so. spy on another'  
gözlet- 'have so. keep an eye on'  
gümlet- 'make stg. bang'  
gümüşlet- 'have stg. silver-plated'  
güneşlet- 'expose stg. to the sun'  
hafiflet- 'lighten'  
harlat- 'poke up a fire'  
harmanlat- 'cause to blend'  
haşlat- 'have stg. boiled'  
hatırlat- 'remind'  
havlat- 'cause to bark'  
hazırlat- 'have stg. prepared'  
hecelet- 'have stg. syllabicated'  
hesaplat- 'have stg. calculated'  
hırlat- 'cause to snarl'  
hoplat- 'bounce'  
hortlat- 'cause to arise again'  
ıslat- 'soak'  
ısmarlat- 'have so. order stg.'  
ihtiyarlat- 'age so.'  
ikilet- 'cause to double'
- ilerlet- 'improve'  
imzalat- 'have stg. signed'  
incelet- 'have stg. examined carefully'  
inlet- 'cause so. to moan'  
işlet- 'operate'  
izlet- 'cause to watch; have so./stg. followed'  
kalaylat- 'have stg. tinned'  
kalburlat- 'have stg. sifted'  
kalınlat- 'thicken'  
kalıpllat- 'have stg. blocked'  
kamçıllet- 'have so. flogged'  
kaplat- 'have so. cover stg.'  
karalat- 'have so. slander so.'  
kaselet- 'have stg. put in a bowl'  
kaskolat- 'have a car insured'  
kaşağılat- 'have stg. curried'  
kaşelet- 'have stg. stamped'  
kaşıklat- 'have so. spoon fed'  
kataloglat- 'have stg. catalogued'  
katlat- 'have stg. folded'  
katranlat- 'have stg. covered with tar'  
kavlat- 'make stg. peel'  
keselet- 'have so. rub one's body with a bath glove'  
keskinlet- 'cause to become sharp'  
kışlat- 'settle (a group of nomads) in (a sheltered place) for the winter'  
kilitlet- 'have so. lock stg.'  
kirlet- 'dirty'  
kodlat- 'make so. code/codify'  
koklat- 'make so. smell stg.'  
kolalat- 'have stg. starched'  
körlet- 'blind'  
kundaklat- 'cause to swathe/sabotage'  
kurşunlat- 'have so. shot; have so. covered with sealer'  
kütlet- 'pound on sharply'  
lüplet- 'gulp down'  
macunlat- 'have stg. impasted'  
miyavlat- 'make (a cat) meow'  
mühürlet- 'have so. put stg. under seal'  
nemlet- 'dampen'  
otlat- 'put an animal out to pasture'



özlet- 'make so. long for'	semerlet- 'have stg. saddled'	tırmaklat- 'have stg. scratched/ clawed'
paketlet- 'have stg. packed'	serinlet- 'cool'	tırpanlat- 'have stg. scythed'
paralat- 'make so. tear; rip up stg.'	sersemlet- 'obfuscate'	tırtıklat- 'cause so. to steal stg.'
parçalat- 'have stg. pulled to pieces'	seslet- 'cause to listen to'	tokatlat- 'have so./ stg. slapped'
parkelet- 'have stg. parqueted'	sıralat- 'have so. list (things) in order'	toplat- 'have so. gather or collect (people, things)'
parlat- 'polish'	sıvazlat- 'let so. stroke oneself'	tornalat- 'have stg. lathed'
parsellet- 'have a land divided into parcels'	sızlat- 'cause stg. to ache'	tökezlet- 'cause to stumble'
paslat- 'cause stg. to rust'	siyahlat- 'blacken'	törpület- 'have stg. rasped'
paspaslat- 'have a place mopped'	söylet- 'make so. say'	ucuzlat- 'cheapen'
patlat- 'make explode'	sulāt- 'have so. irrigate (an area)'	ünlet- 'have so. called out'
paylat- 'have so. scolded'	süslet- 'have so. decorate'	ütület- 'have stg. ironed'
pençelet- 'cause (animals) to claw at each other'	şaklat- 'crack'	yağlat- 'have stg. lubricated'
pislet- 'contaminate'	şaplat- 'smack'	yaldızlat- 'have so. gild or silver stg.'
poşetlet- 'have stg. put into a plastic bag'	şişlet- 'cause to stab so.'	yargılat- 'have so. judged/ tried'
rahatlat- 'relieve'	şişmanlat- 'fatten'	yavaşlat- 'slow down'
raptiyelet- 'have stg. thumbtacked'	tamamlat- 'have so. complete stg.'	yayımlat- 'have stg. published'
rötüşlat- 'have stg. retouched'	taşlat- 'have so. throw stones at so./stg.'	yinelet- 'have so. repeat stg.'
sabahlat- 'cause so. to stay awake'	tekrarlat- 'have so. repeat stg.'	yumurtlat- 'cause (an animal) to lay eggs'
saklat- 'have so. hide stg.'	temizlet- 'have so. clean stg.'	yüket- 'have stg. loaded in/on'
sarımsaklat- 'have garlic added to stg.'	tepelet- 'bring about the defeat of (an enemy)'	
	terlet- 'make so. sweat'	
	tıklat- 'click'	
	tınlāt- 'clang'	

## 3.3.15. -nA + -t

çiğnet- 'make so. chew stg.'	kaynat- 'boil'
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## 3.3.16. -rA + -t

doğrat- 'make so. cut up'	kavrat- 'get so. to comprehend; cause to grasp'	sıçrat- 'splash; dash'
gevret- 'make stg. crisp; brittle'	kıvrāt- 'curl or twist tightly'	titret- 'pulsate; vibrate'
		yıprat- 'fray; wear out'

## 3.3.17. -sA + -t

aksat- 'hinder, delay'	tavsāt- 'make stg. fall away from its prime'
susat- 'make so. thirsty'	

## 3.3.18. -sI + -t

yansıt- 'reflect'
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## 3.3.19. Verbs identical to noun root + -t

acı- 'hurt'	ağrı-t 'cause to ache'	damlat- 'pour out drop by drop'
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## 3.3.20. Verbs identical to adjective root + -t

arıt- 'cleanse; purify'	ekşit- 'render sour'	eskit- 'wear out'
eğrit- 'make crooked; bend'	ergit- 'cause to melt'	kocat- 'cause to grow old'

## Notes

- <sup>1</sup> According to Clauson (1972: 897) and Nişanyan (2002) the verb *yak* is derived from the root *\*ya*. Clauson, in particular indicates that *k-* may be an emphatic marker. There appear to be two distinct types of *-(I)k* affixes in Turkish, one deriving intransitives and the other deriving inchoatives (Tietze 2002: 20). As the verb *yak-* is a transitive verb, it is not compatible with the first function; however, it seems to be compatible with the inchoative function of *-(I)k*. Nonetheless, we refrain from committing ourselves to classifying the */k/* in *yak* as an affix as we have no conclusive evidence regarding its morphemic status in the historical sources we investigated.
- <sup>2</sup> We do not have conclusive evidence regarding the affixal status of some of the verbs listed as *A-* verbs in Turkish. More precisely verbs such as *buda-* ‘to prune’ < OT *\*buti-* or *buta-*, *dala-* ‘to bite’ < Mongolian *tala*, *daya-* < OT *\*taya*, *dile-* ‘to wish for’ < OT *\*tile*, and *döşe-* ‘to lay down, spread’ < OT *\*töşe-* may not host the *A-* affix as the etymological origins cited in Tietze indicate. Nonetheless we leave the classification as it is. As for one of the verbs listed as *A-* verbs, *ara-* ‘to search’, we would like to point out that Clauson (1972: 217) and Tietze (2002: 189) consider the verb as derived from the OT verb *arka-*, however, the *arka-* > *ara* development cannot be accounted for.
- <sup>3</sup> Tietze (2002: 743) argues that the OT verb *esne-* ‘to yawn’ is derived from the noun *esin* ‘breeze’ + the verb forming affix *-A*. Erdal (1991: 419), however, argues that the verb *esne-* ‘to yawn’ is different from the OT verb *äsne-* ‘to blow’ which is related with *es-in* ‘breeze’.
- <sup>4</sup> According to Banguoğlu (1986) the verbs *incel-* ‘to slim’, *kısal-* ‘to shorten’, *ufal-* ‘to dwindle away’ are derived from the OT verbs *inç-ke-l-*, *kıs-ga-l-*, *yuw-ga-l-*, which exhibit an obsolete *-KA* affix + the passive morpheme.
- <sup>5</sup> We have categorized the verbs *sarmala-* ‘to wrap’, *sürmele-* ‘to bolt’, *tırmala-* ‘to scratch’ and *yarmala-* ‘to split in two’ as *-ALA* verbs. Banguoğlu (1986) and Korkmaz (2003) claim that these verbs are in fact derived with the affix *-mALA*. Considering the fact that historical sources such as Clauson (1972) and Tietze (2002) do not mention a *-mALA* affix in Turkish, an *-ALA* classification for these verbs appears to be more appropriate. As for the verbs *çabala-* ‘to endeavour’ and *ufala-* ‘to crumble’ also discussed in this section, some etymological information would be in order. According to Tietze (2002: 461), the verb *çabala-* ‘to endeavour’ has to be decomposed as *çab-* ‘to strive’ + affix *-ALA*; hence segmentation of the verb as *çaba* ‘effort’ + *la* is incorrect. The verb *ufala-* ‘to crumble’, as discussed in Clauson (1972: 4) is derived from the verb root *uv-* ‘to crush; to reduce to powder’.
- <sup>6</sup> The verb *suvar-* ‘to water livestock’ comes from the root *su:v* and the transitivizing affix *-gar* (Clauson 1972: 786).
- <sup>7</sup> Lack of any evidence about the etymology of the verb *şumar-* ‘to spoil’ forced us to categorize it as an *-Ar* verb.
- <sup>8</sup> The verbs *böğür-* ‘to bellow’ and *tükür-* ‘to spit’ listed under the verbs of sound and substance emission resemble the *-KIr* verbs listed in Appendix 2a (23). Erdal (1991: 466) draws attention to the fact that the verbs *bağır-* ‘to shout’ and *geğir-* ‘to belch’ are *-KIr* verbs which are attested to be *\*ba-kır-* and *\*kä-kir-* in Old Turkic sources. According to Erdal the presence of the Mongolian cognate *bar-kira-* and the Modern Turkish

expression *bar bar bağır-* ‘to yell loudly’ suggests that the final /t/ was dropped from the end of the verb’s first syllable by dissimilation. Due to lack of evidence regarding the etymology of the verbs *böğür-* and *tükür-*, we categorized these verbs as *-Ir* verbs, not *-KIr* verbs.

- <sup>9</sup> According to Clauson (1972: 250) the verb *emzir-* ‘to nurse’ comes from the OT *\*emüz-*, which is stated to be the causative of *em-* ‘to suck’, and hence means ‘to cause to suck’.
- <sup>10</sup> The verb *esri-* ‘to experience a trance’ comes from the OT verb *\*esür-* (Clauson 1972: 251). The substitution of the sounds in the word is argued to have given rise to the root *esri-*. Hence we have treated the word as derived from *-Ir*.
- <sup>11</sup> According to Nişanyan (2002) the verb *parala-* ‘to maul’ comes from the Persian noun *pare* ‘piece’ + the affix *-LA*.
- <sup>12</sup> We have no information regarding the origin of the verb *sendele-* ‘to stagger’ which resembles *-ALA* verbs in Turkish. Based on Nişanyan’s explanation of the word *sende*, which he believes is originally a Persian word meaning ‘anvil’, we have classified the verb as *sende* + *le-*, thinking that it may have first referred to the action performed when using the tool *sende* ‘anvil’ and then may have undergone a semantic change.
- <sup>13</sup> Two of the onomatopoeic verbs listed here, *ağla-* ‘to weep’ and *sızla-* ‘to ache’, need special attention. The verb *ağ-la-* comes from the OT root *\*ığ* ‘to weep’ (Clauson 1972: 85). Clauson points out that the verb *sız-la-* is derived from the root *sız* ‘ache, pain’ (1972: 863).
- <sup>14</sup> The roots of *-LA* verbs listed in 25.6 are bound roots and do not have a specific meaning in Turkish. Investigation of the etymology of some of the verbs has revealed, however, that the root had a specific meaning in OT. Some verbs of this category are listed below:
- An-la:* The verb *añ-la-* ‘to understand’ is derived from the root *añ* ‘understanding, intelligence’ (Clauson 1972: 186).
- Bel-le:* Tietze (2002: 311) states that the root *bel* ‘sign’ appears to be related to OT *\*belgü* as cited in Clauson (1972). The verb *belle-* ‘to learn and keep in mind’ is derived from the root *bel* with the affixation of *-LA*.
- Belir-le:* The verb is derived by the affixation of *-LA* to the OT root *\*belgür* ‘to appear’; ‘to become manifest’.
- Bek-le:* According to Clauson (1972: 326) *bek-le-* ‘to wait’ is a derived verb from the root *bek-* ‘firm, solid, stable (323) with wide developments of meaning. Originally it meant ‘to fasten, secure’; then the meaning became ‘to keep secure’ and thus ‘to watch over’. Later the meaning became ‘to watch for, to expect’ and finally merely ‘to wait’.
- Bes-le:* Tietze (2002: 322) states that *besle-* ‘to feed’ is derived from the noun root *besi* ‘yem’ and the affix *-LA*. He also cites Räsänen (1969) according to whom the root is related with the Persian word *bas* ‘enough’.
- Dız-la:* The verb *dızla-* ‘to swindle’ is derived from the OT root *\*dız* ‘naked, bald’ with the affix *-LA* and hence means ‘to swindle someone leaving him/her naked’.
- Haş-la:* Nişanyan (2002) argues that the verb comes from the Armenian *xaşel* meaning ‘to cook by boiling in water’.
- Din-le:* Clauson (1972: 522) and Erdal (1991: 448) indicate that *din-le-* ‘to listen to’ is a derived noun from *\*tıñ* probably meaning ‘breath’.
- Söy-le:* According to Clauson (1972: 863) the verb *söyle-* is derived from *söz* ‘to speak, say’. It is reported to have become *söyle-* in the 13th century for some unexplained reason.
- Öz-le:* Clauson (1972: 287) considers the root of this word to be *öz*, meaning ‘the core or center of something’ hence the verb *özle-* ‘to desire’. Nişanyan, however, relates this verb

with the roots *ök-/ög-* meaning ‘mind, remembrance’, hence the verb *özle-* according to Nişanyan means ‘to call to mind’.

- <sup>15</sup> Tietze (2002: 623) argues that the verb *dinle-n-* ‘to rest’ is the reflexivized form of the verb *dinle-* ‘to listen to; to be silent’.
- <sup>16</sup> We have no information about the etymology of the verb *tiksin-* ‘to be disgusted’.
- <sup>17</sup> According to Clauson (1972: 744), the word *gerek* ‘be needful’ comes from the nominal/ adjectival root *kergek*.
- <sup>18</sup> The verbs *dadan-* ‘to acquire a taste for something’, *kazan-* ‘to earn’ and *yan-* ‘to burn’ have roots which are not verbs in MT. The OT sources show, however, that they are derived from the roots *\*dada-*, *\*kaza-* and *\*ya-*, respectively, with the affixation of the reflexive morpheme *-n*. Tietze (2002: 544) argues that the root *dada-* ‘taste’ comes from the root *t/dad + a*. Recall that *-A* derives verbs from nouns and adjectives. Clauson (1972: 683) indicates that the verb *kazan-* is derived from the OT verb *\*kazğan* ‘to earn, to gain’, hence the verb *kazan* is the reflexive form of the OT verb *\*kaz-ğa*. The affix *-ga* is argued to be a very old verb in OT. Like the verb *yak*, the verb *yan-* ‘to burn’ is derived from the root *\*ya-* (Clauson 1972: 942). Unlike the affix in *ya-k*, however, there is consensus among the sources consulted that the *n-* affix in *yan* is a reflexivization affix.
- <sup>19</sup> The verbs which are marked with (\*) in section 1.2 of Appendix 2c can be morphologically segmented both as *Noun + -LA + -n* and *Noun + LAN* verbs. When the verbs are decomposed as *Noun+LAN*, the verbs denote states which happen on their own, internally without any agentive intervention, such as *Cildi yağlan-dı* ‘His skin became oily’. In a sentence such as *Güneşlenmeden önce yağlan-dı* ‘He put on sunscreen before he sunbathed’ the verb *yağlan-* has to be decomposed as *yağ+ la- + -n* where *-n* is the reflexivizing morpheme. Unlike the first sentence where there is no agent, in the second sentence, the activity is carried out by an agent.
- <sup>20</sup> The verb *sataş-* ‘to seek quarrel’ has its origin in the OT root *\*satğa-* ‘to tread, or trample on something’ (Clauson 1972: 800; Erdal (1991: 612)).
- <sup>21</sup> In 2.8 we have listed *-Iş* verbs for whose roots we have no etymological information or whose potential root is not transparent in meaning. Below information about two of these verbs, *alış-* and *apış-*, is given.
- i. The MT verb *alış-* ‘to get accustomed to’ is derived from the OT *al-* ‘to take, to receive’ and denotes reciprocity by means of the affix *-Iş*. According to Clauson (1972: 153) the verb has acquired the meaning of ‘to be accustomed to something’ only in Turkish.
- ii. The verb *apış-* ‘to stand helpless; to be astonished’ according to Tietze (2002: 187) is derived from the root *apış-* ‘to stand with legs apart’. Furthermore when it is attached to the reciprocal affix *-Iş*, due to haplology one of the *-Iş* affixes dropped. Hence *apış+ış* has become *apış-*. In exemplifying the process of haplology, Tietze (2002: 187) gives the example of *savaş+ış* which due to haplology has been shortened to *savaş-* ‘to fight’. A further note on the issue comes from Nişanyan (2002) who draws attention to the Armenian words *abus* ‘stupid’ and *abşil-* ‘to become stupid’ which may be related with the verb *apış-* in Turkish.
- <sup>22</sup> In Appendix 2c, Sections 1.1 and 3.3.2 contain several bound roots in Turkish which surface in MT in the form of causativized and reflexivized verbs. In what follows we will look into the etymological origins of some of these verbs.

- i. The verbs *diren-* ‘to resist’ and *diret-* ‘to insist’ in Turkish are the reflexivized and the causativized forms of the OT root *tirä-* ‘to prop against; to support’ (Erdal 1991: 620); (Clauson 1972: 532).
- ii. In MT the word *kuşa-* is a bound root from which the causative verb *kuşa-t* ‘to surround; to besiege’ and the reflexive verb *kuşa-n-* ‘to gird oneself’ have derived. Both Clauson (1972: 665) and Erdal (1991: 422) state that the verbs must have derived from the OT root *kurşa-* ‘to gird; to surround’, which appears to be related with *kur-* ‘belt (originally worn by a man)’. Erdal, in particular, states that though there is no affix like *-şA* in OT, the similarity between *kur-* and *kurşa-* cannot be ignored.
- iii. According to Clauson (1972: 114) the verbs *öğret-* ‘to teach; to accustom someone to something’ and *öğren-* ‘to learn’ are derived from the OT root *\*öğre-*, which is assumed to be related to the root *öğür-*, which originally meant ‘a herd (especially of horses), but now usually means ‘to tame, to domesticate (an animal)’ (Clauson 1972: 112). In the present study *öğre-t-* has been categorized under *-A+ -t* causative verbs and *öğre-n-* as an *-A+ -n* reflexive verb as the verbs appear to end in the affix *-A*.
- iv. The verb *tüket-* ‘to bring to an end; to consume’ is the causative form of the OT root *\*tüke-* ‘to come to an end’ (Clauson 1972: 479).
- <sup>23</sup> The verbs *avut-* ‘to comfort someone; to amuse or distract someone’ and *avun-* ‘to take comfort in something’ are the causative and the reflexive forms of the OT root *\*avı-* ‘to enjoy oneself, take pleasure in’ (Clauson 1972: 7, 12).