

analysis

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This program analyzes the output of program

```
file <- '../Main Code 7/V_NotSonCont/stats_Epochs3_Gens10_TokFreqT_Trial10.txt'

df <- read.delim(file)

df[df == 'mh'] <- 'm'
df[df == 'fh'] <- 'f'
df[df == 'mh, fh'] <- 'm'
df[df == 'm, f'] <- 'm'

get_endings <- function(df) {
  endings <- subset(df, select = c('X10', 'Case', 'Gender', 'Declension'))
  freq_table = table(endings)

  genders <- c('m', 'f', 'n')
  declensions <- seq(1, 5)
  cases <- c('Nom.Sg', 'Nom.Pl', 'Acc.Sg', 'Acc.Pl', 'Gen.Sg',
            'Gen.Pl', 'Dat.Sg', 'Dat.Pl', 'Abl.Sg', 'Abl.Pl')

  for (gender in genders) {
    for (dec in declensions) {
      for (case in cases) {
        pre_table <- freq_table[ , case, gender, dec]
        print(paste0(gender, dec, case))
        print(assign(paste0(gender, dec, case), pre_table[pre_table != 0]))
      }
    }
  }
}

get_endings(df)
```

```
## [1] "m1Nom.Sg"
## a
## 2
## [1] "m1Nom.Pl"
## a
## 2
## [1] "m1Acc.Sg"
## a
## 2
## [1] "m1Acc.Pl"
## a
## 2
```

```

## [1] "m1Gen.Sg"
## a
## 2
## [1] "m1Gen.Pl"
## a
## 2
## [1] "m1Dat.Sg"
## a
## 2
## [1] "m1Dat.Pl"
## a
## 2
## [1] "m1Abl.Sg"
## a
## 2
## [1] "m1Abl.Pl"
## a
## 2
## [1] "m2Nom.Sg"
## u
## 54
## [1] "m2Nom.Pl"
##
## 54
## [1] "m2Acc.Sg"
## u
## 54
## [1] "m2Acc.Pl"
##
## 54
## [1] "m2Gen.Sg"
## i
## 54
## [1] "m2Gen.Pl"
## i
## 54
## [1] "m2Dat.Sg"
## i
## 54
## [1] "m2Dat.Pl"
## i
## 54
## [1] "m2Abl.Sg"
## o
## 54
## [1] "m2Abl.Pl"
##
## 54
## [1] "m3Nom.Sg"
##
## 84
## [1] "m3Nom.Pl"
##
## 84

```

```

## [1] "m3Acc.Sg"
## e
## 84
## [1] "m3Acc.Pl"
## e
## 84
## [1] "m3Gen.Sg"
## i
## 84
## [1] "m3Gen.Pl"
## i
## 84
## [1] "m3Dat.Sg"
## i
## 84
## [1] "m3Dat.Pl"
## i
## 84
## [1] "m3Abl.Sg"
## e
## 84
## [1] "m3Abl.Pl"
## e
## 84
## [1] "m4Nom.Sg"
## u
## 40
## [1] "m4Nom.Pl"
##
## 40
## [1] "m4Acc.Sg"
## u
## 40
## [1] "m4Acc.Pl"
##
## 40
## [1] "m4Gen.Sg"
## i
## 40
## [1] "m4Gen.Pl"
## i
## 40
## [1] "m4Dat.Sg"
## i
## 40
## [1] "m4Dat.Pl"
## i
## 40
## [1] "m4Abl.Sg"
## o
## 40
## [1] "m4Abl.Pl"
##
## 40

```

```

## [1] "m5Nom.Sg"
##
## 1
## [1] "m5Nom.Pl"
##
## 1
## [1] "m5Acc.Sg"
## e
## 1
## [1] "m5Acc.Pl"
## e
## 1
## [1] "m5Gen.Sg"
## i
## 1
## [1] "m5Gen.Pl"
## i
## 1
## [1] "m5Dat.Sg"
## i
## 1
## [1] "m5Dat.Pl"
## i
## 1
## [1] "m5Abl.Sg"
## e
## 1
## [1] "m5Abl.Pl"
## e
## 1
## [1] "f1Nom.Sg"
## a
## 86
## [1] "f1Nom.Pl"
## a
## 86
## [1] "f1Acc.Sg"
## a
## 86
## [1] "f1Acc.Pl"
## a
## 86
## [1] "f1Gen.Sg"
## a
## 86
## [1] "f1Gen.Pl"
## a
## 86
## [1] "f1Dat.Sg"
## a
## 86
## [1] "f1Dat.Pl"
## a
## 86

```

```

## [1] "f1Abl.Sg"
## a
## 86
## [1] "f1Abl.Pl"
## a
## 86
## [1] "f2Nom.Sg"
## u
## 1
## [1] "f2Nom.Pl"
##
## 1
## [1] "f2Acc.Sg"
## u
## 1
## [1] "f2Acc.Pl"
##
## 1
## [1] "f2Gen.Sg"
## i
## 1
## [1] "f2Gen.Pl"
## i
## 1
## [1] "f2Dat.Sg"
## i
## 1
## [1] "f2Dat.Pl"
## i
## 1
## [1] "f2Abl.Sg"
##
## 1
## [1] "f2Abl.Pl"
##
## 1
## [1] "f3Nom.Sg"
##
## 82
## [1] "f3Nom.Pl"
##
## 82
## [1] "f3Acc.Sg"
## e
## 82
## [1] "f3Acc.Pl"
## e
## 82
## [1] "f3Gen.Sg"
## i
## 82
## [1] "f3Gen.Pl"
## i
## 82

```

```

## [1] "f3Dat.Sg"
## i
## 82
## [1] "f3Dat.Pl"
## i
## 82
## [1] "f3Abl.Sg"
## e
## 82
## [1] "f3Abl.Pl"
## e
## 82
## [1] "f4Nom.Sg"
## u
## 2
## [1] "f4Nom.Pl"
##
## 2
## [1] "f4Acc.Sg"
## u
## 2
## [1] "f4Acc.Pl"
##
## 2
## [1] "f4Gen.Sg"
## i
## 2
## [1] "f4Gen.Pl"
## i
## 2
## [1] "f4Dat.Sg"
## i
## 2
## [1] "f4Dat.Pl"
## i
## 2
## [1] "f4Abl.Sg"
##
## 2
## [1] "f4Abl.Pl"
##
## 2
## [1] "f5Nom.Sg"
##
## 7
## [1] "f5Nom.Pl"
##
## 7
## [1] "f5Acc.Sg"
## e
## 7
## [1] "f5Acc.Pl"
## e
## 7

```

```

## [1] "f5Gen.Sg"
## i
## 7
## [1] "f5Gen.Pl"
## i
## 7
## [1] "f5Dat.Sg"
## i
## 7
## [1] "f5Dat.Pl"
## i
## 7
## [1] "f5Abl.Sg"
## e
## 7
## [1] "f5Abl.Pl"
## e
## 7
## [1] "n1Nom.Sg"
## named integer(0)
## [1] "n1Nom.Pl"
## named integer(0)
## [1] "n1Acc.Sg"
## named integer(0)
## [1] "n1Acc.Pl"
## named integer(0)
## [1] "n1Gen.Sg"
## named integer(0)
## [1] "n1Gen.Pl"
## named integer(0)
## [1] "n1Dat.Sg"
## named integer(0)
## [1] "n1Dat.Pl"
## named integer(0)
## [1] "n1Abl.Sg"
## named integer(0)
## [1] "n1Abl.Pl"
## named integer(0)
## [1] "n2Nom.Sg"
## um
## 89
## [1] "n2Nom.Pl"
##
## 89
## [1] "n2Acc.Sg"
## um
## 89
## [1] "n2Acc.Pl"
##
## 89
## [1] "n2Gen.Sg"
## i
## 89
## [1] "n2Gen.Pl"

```

```

## i
## 89
## [1] "n2Dat.Sg"
## i
## 89
## [1] "n2Dat.Pl"
## i
## 89
## [1] "n2Abl.Sg"
## o
## 89
## [1] "n2Abl.Pl"
##
## 89
## [1] "n3Nom.Sg"
##
## 50
## [1] "n3Nom.Pl"
##
## 50
## [1] "n3Acc.Sg"
##
## 50
## [1] "n3Acc.Pl"
##
## 50
## [1] "n3Gen.Sg"
## i
## 50
## [1] "n3Gen.Pl"
## i
## 50
## [1] "n3Dat.Sg"
## i
## 50
## [1] "n3Dat.Pl"
## i
## 50
## [1] "n3Abl.Sg"
##
## 50
## [1] "n3Abl.Pl"
##
## 50
## [1] "n4Nom.Sg"
## u
## 2
## [1] "n4Nom.Pl"
##
## 2
## [1] "n4Acc.Sg"
## u
## 2
## [1] "n4Acc.Pl"

```



```

##
## 2
## [1] "n4Gen.Sg"
## i
## 2
## [1] "n4Gen.Pl"
## i
## 2
## [1] "n4Dat.Sg"
## i
## 2
## [1] "n4Dat.Pl"
## i
## 2
## [1] "n4Abl.Sg"
## o
## 2
## [1] "n4Abl.Pl"
##
## 2
## [1] "n5Nom.Sg"
## named integer(0)
## [1] "n5Nom.Pl"
## named integer(0)
## [1] "n5Acc.Sg"
## named integer(0)
## [1] "n5Acc.Pl"
## named integer(0)
## [1] "n5Gen.Sg"
## named integer(0)
## [1] "n5Gen.Pl"
## named integer(0)
## [1] "n5Dat.Sg"
## named integer(0)
## [1] "n5Dat.Pl"
## named integer(0)
## [1] "n5Abl.Sg"
## named integer(0)
## [1] "n5Abl.Pl"
## named integer(0)

```