

# selnolig-english-test

## (Package version: 0.301; 2015/10/08)

Appearance of “common” ligatures	ff	fi	fl	ffi	ffl	ft	fj	fk	<i>fr</i>
Sample words with these ligatures	off	fit	fly	office	baffle	often	fjord	Kafka	<i>from</i>

Appearance of “discretionary” (“rare”) ligatures	st	ct	sp	<i>as</i>	<i>es</i>	<i>is, th, us</i>	<i>at</i>	<i>et</i>	<i>sk</i>	<i>ll</i>	<i>ij, st, ta</i>
Sample words with these ligatures	stay	act	spy	<i>was</i>	<i>sees</i>	<i>isthmus</i>	<i>cat</i>	<i>net</i>	<i>ask</i>	<i>ill</i>	<i>rijsttafel</i>

Package options and other parameters:

Extent of suppressing f-ligatures: basic or broadf?    `broadf`  
 Value of \righthyphenmin parameter                            `3`

### Part 1: Basic set of f-ligatures suppression rules

- ff to ff  
shelfful shelffuls bookshelfful selffulfilling
- fi to fi  
(None in basic set)
- fl to fl  
beefless briefless hoofless leafless roofless selfless turfless selflessly selflessness  
calflike dwarflike elflike gulflike hooflike leaflike rooflike serflike sheaflike shelflike surflike turflike waiflike wolflike  
half-life shelf-life half-lives shelf-lives  
half-line roof-line half-lines roof-lines  
leaflet leaflets leafleted leafleting leafletting leafletted leafleteer  
pdf<sub>l</sub>atex (even better: pdf<sub>L</sub>atex or pdf<sub>E</sub>TeX)
- ffi to ffi  
Pfaffian Wolfian Wulfian
- ffl to ffl  
cuffless stuffless cufflessly stufflessness  
scofflaw scofflaws cufflink cufflinks

- offline  
offload offloads offloading offloaded  
rufflike clifflike
- ffi to ffi  
chaffinch chaffinches wolfish wolfishly
- ffl to ffl  
safflower
- ft to ft  
chieftain chieftaincy chieftaincies chieftainship chieftainships  
half-time half-tone half-times half-tones  
rooftop rooftops roof-tree roof-trees  
wolf-trap calf-trap leaf-trap off-track  
fifth fifths fifthly twelfth twelfths
- *fr* to *fr* (italic font shape only)  
*proofread proofreader proofroom*
- fb, fh, fj, and fk ligatures  
halfback golfball goofball wolfberry halfbeak hoofbeat  
surfbird surfboard surfboarder surfboat  
halfhearted selfheal leafhopper selfhood serfhood  
wolfhound  
offbeat puffball snuffbox  
cliffhanger offhand offhanded offhandedly

cliffjumper

offkey

*but:* Kafka, Sognefjord, Dovrefjell

## Part 2: Further f-ligatures suppressed if “broadf” option is set

- ff to ff  
(No extra cases in broadf set)
- fi to fi  
elfin  
chafing leafing loafing sheafing strafing vouchsafing  
beefing reefing briefing debriefing coifing fifing jack-  
knifing knifing midwifing waifing wifing  
airproofing childproofing fireproofing flameproofing  
mothproofing rustproofing soundproofing water-  
proofing weatherproofing proofing  
goofing hoofing reroofing roofing spoofing whoofing  
woofing  
begulfing engulfing ingulfing gulfing golfing rolfing  
selfing wolfing barfing  
bedwarfing dwarfing enserfing kerfing scarfing snarf-  
ing surfing turfing wharfing windsurfing  
deafish dwarfish elfish oafish selfish serfish unselfish  
wolfish  
deafishly dwarfishly elfishly oafishly selfishly serfishly  
unselfishly wolfishly  
deafishness dwarfishness elfishness oafishness selfish-  
ness serfishness unselfishness wolfishness  
beefier comfier goofier gulfier leafier surfier turfier  
beefiest comfiest goofiest gulfiest leafiest surfiest turfi-  
est  
beefily goofily goofiness
- fl to fl  
aloofly briefly chiefly deafly liefly
- ffi to ffi  
baffing biffing outbluffing bluffing boffing buffing  
chaffing cheffing chuffing coffing coiffing handcuffing  
uncuffing cuffing daffing doffing encoffing infeoffing  
feoffing fluffing gaffing gruffing huffing luffing miff-  
ing muffing offing piaffing puffing quaffing rebuffing  
reffing restaffing restuffing riffing crossruffing over-  
ruffing underuffing ruffing sclaffing scoffing scuffing  
shroffing sluffing snuffing snuffing spiffing overstaff-  
ing understaffing staffing stiffing overstuffing stuffing  
tariffing tiffing waffing whiffing yaffing

draffish giraffish gruffish offish raffish sniffish stand-  
offish stiffish toffish

draffishly giraffishly raffishly

buffier chaffier chuffier cliffier daffier fluffier gruffier  
huffier iffier miffier puffier scruffier sniffier snuffier  
spiffier stuffier

buffiest chaffiest chuffiest cliffiest daffiest fluffiest  
gruffiest huffiest iffiest miffiest puffiest scruffiest sniff-  
iest snuffiest spiffiest stuffiest

daffily fluffily gruffily huffily puffily scruffily sniffily  
snuffily spiffily stuffily

fluffiness huffiness iffiness puffiness scruffiness sniffi-  
ness spiffiness stuffiness

baffies biffies jiffies stuffies taffies toffies waffie waffies

- ffl to ffl  
bluffly gruffly ruffly snuffly stiffly
- ffi to ffi  
(No extra cases in broadf set)
- ffl to ffl  
(No extra cases in broadf set)
- ft to ft  
fifty fiftyish  
fifties fiftieth fiftieths  
fifteen fifteens fifteenth fifteenths

## Part 3: Ligatures suppressed if “hdlig” op- tion is set

- ct to ct  
arctangent coarctation
- st to st  
First reason: “th” (from  $\theta$  or  $\vartheta$ ) after “s”:  
asthma isthmus aesthetic  
Esther  
Second reason: avoid instances of st spanning a mor-  
pHEME boundary  
painstaker painstaking dogstail crosstalk gastight  
distasteful distemperate distended distort distract  
distraught distribute distributed distribution distrust  
disturb  
*but:* distant distillation district  
mistrust mistake mistaken  
Maastricht

Charlestown crosstown

*And, do not suppress the ſt ligature for* castle fore-castle, nestle wrestle, bristle bristletail distelfink epistle glisten gristle listen mistletoe thistle whistle, apostle jostle, bustle hustle rustle

- \$p to sp

First reason: “ph” (from  $\phi$  or  $\varphi$ ) after “s”:

asphalt asphodel asphyxiate blaspheme blasphemy

dysphagia dysphonia dysphoria sphagnum sphinx

atmosphere bathysphere biosphere blogosphere ecosystem exosphere hemisphere hydrosphere ionosphere magnetosphere stratosphere

spherical sphericity spheroid

phosphorous phosphates phosphorescent

Second reason: don’t cross morpheme boundaries

clothespin clothespress

passport

businesspeople congresspeople craftspeople dispeople newspeople salespeople \$pokespeople townspeople tradespeople tribespeople

businessperson congressperson craftsperson draftserson newsperson salesperson \$pokesperson

transpacific transparent transpersonal transpierce transplant transplacental transpolar transport trans-pose transposon

(but: transpicious transpire transponder)

(also: respond despondent correspond correspond)

trespass trespassing

cisplatin

disparage disparaged disparagement disparagements disparager disparagers disparages disparaging disparagingly

disparate disparately disparateness disparatenesses

disparities disparity dispart parted departing dis-parts

dispassion dispassionate dispassionately dispassionate-ness dispassionatenesses dispassions

dispatch dispatched dispatcher dispatchers dispatches dispatching

dispel dispelled dispelling dispels

dispend dispended dispending dispends dispensabilities dispensability dispensable dispensaries dispensary dispensation dispensational dispensations dispensatories dispensatory dispense dispensed dispenser dispensers dispenses dispensing

dispeople dispeopled dispeoples dispeopling

displace displaceable displaced displacement displacements displaces displacing

displant displanted displanting displants

display displayable displayed displaying displays

displease displeased displeases displeasing displeasure displeasures

displode dislodged dislodges dislodging dislodion dislodions

displume displumed displumes displuming

disport disported disporting disportment disportsments disports

disposabilities disposability disposable disposables disposal disposals dispose disposed disposer disposers disposes disposing

disposition dispositional dispositions dispositive

dispossess dispossessed dispossesses dispossessing dis-possession dispossessions dispossessor dispossessors

disposure disposures

dispraise dispraised dispraiser dispraisers dispraises dispraising dispraisingly

disprize disprized disprizes disprizing

disproof disproofs

disproportion disproportional disproportionate disproportionateated disproportionately disproportionateates disproportionateating disproportionation disproportionateations disproportioned disproportioning disproportions

disprovable disprove disproved disproven disproves disproving

disputable disputably disputant disputants disputation disputations disputatious disputatiously disputatiousness disputatiousnesses dispute disputed disputer disputers disputes disputing

espresso (— from ex and press, right?!)

indispensabilities indispensability indispensable indispensable-ness indispensable-nesses indispensables indispensably

indispose indisposed indisposes indisposing indisposition indispositions

indisputable indisputableness indisputablenesses indisputably

misperception misphrase misplace misplant mislay misprice misprint mispronounce

predispose predisposed predisposes predisposing predisposition predispositions

redisplay redisplayed redisplaying redisplays

redispose redisposed redisposes redisposing redisp~~osition~~  
redisp~~ositions~~

undisputable undisputed

suspend suspended suspends suspension

*but*: disp~~ersal~~ disp~~ersals~~ disp~~ersant~~ disp~~ersants~~ disp~~erse~~  
disp~~ersed~~ disp~~ersedly~~ disp~~erser~~ disp~~ersers~~ disp~~erses~~  
disp~~ersible~~ disp~~ersing~~ disp~~ersion~~ disp~~ersions~~ disp~~ersive~~  
disp~~ersively~~ disp~~ersiveness~~ disp~~ersivenesses~~

disp~~ersoid~~ disp~~ersoids~~

disp~~irit~~ disp~~irited~~ disp~~iritedly~~ disp~~iritedness~~ disp~~irited-~~  
nesses disp~~iriting~~ disp~~irits~~

disp~~iteous~~

disp~~read~~ disp~~reading~~ disp~~reads~~

monodisp~~erse~~ nondisp~~ersive~~

polydisp~~erse~~ polydisp~~ersities~~ polydisp~~ersity~~

Note: The test words in the remainder of this document are generally set in *italics* because the text font that's used by the "driver" program, *selnolig-english-test.tex*, does not feature the applicable ligatures in the upright font shape.

- *th* to *th*

*bathouse boathouse cathouse courthouse gue~~st~~house hot-*  
*house lighthouse nuthouse oas~~t~~house outhouse penthouse*  
*pe~~s~~thouse pilothouse pothouse*

*bolthead cathead fathead flathead gilthead hothead*  
*lightheaded mas~~t~~head meathead pithead pothead print-*  
*head softhead softheaded*

*fainthearted greathearted lighthearted softhearted stout-*  
*hearted sweetheart sweethearts*

*adulthood aunthood knighthood parenthood priesthood*  
*prophethood sainthood servanthood*

*bolthole knothole porthole po~~s~~thole pe~~s~~thole pothole rat-*  
*hole*

*boathook meathook pothook*

*foothold potholder roothold*

*anthill foothill*

*goatherd neatherd*

*outhaul outhear outhit outhomer outhowl outhumor*  
*outhunt outhu~~s~~tle*

*shorthair shorthanded shorthorn*

*antiapartheid apartheid dus~~t~~heap fir~~s~~thand nighthawk*  
*po~~s~~tharvest*

*po~~s~~thumous po~~s~~thumously*

*pothunt warthog*

*watthour kilowatthour*

*Gotthard*

- *at* to *at*

*anathema aromatherapy intrathoracic metathesis ultra-*  
*thin ultrathick*

- *et* to *et*

*ninetieth ninetieths ninety nineteen*

*nametag*

*betake betatter betray betroth*

*bluetooth*

*detach detain detail*

*dete~~ct~~ undete~~ct~~able dete~~ct~~ive*

*detent detention dete~~s~~t*

*detrac~~t~~ detrain detribalize detriment detritus*

*bris~~t~~letail dovetail horsetail*

*cheetah chetah caretaker*

*foretell fortunetelling*

*detergent deteriorate determent determinant*

*preterm pretext*

*retext teletext*

*bluetick detick*

*betide yuletide*

*betime beforetime lifetime peacetime sometime*

*detrain drivetrain housetrain pretrain retrain*

*firetrap livetrapp mousetrap*

*axletree saddletree shoetree*

*timetable*

*preteen pretend pretence pretense pretentious prete~~s~~t pre-*  
*text pretitling*

*pretreat pretrim pretrial*

*retag retape retake reteach retie retile retime retint retire*

*retiring retitle retrace retrack retra~~ct~~ retrans retrans-*

*mit retread retreat retrench retrieve retribution retries*

*retrim retune*

*return unreturnable*

*entirety surety safety*

*entireties sureties safeties (EB Garamond for "es"!)*

*archetype archetypal*

*subtlety teletype teletypewriter*

- *as* to *as*

*teaspoon infrastructure seastrand*

*infraspecific intraspecies intraspecific*

*ultrasound ultrasophisticated*

- *es* to *es* (EB Garamond)

*loftiest scariest funniest* (lots of words ending in “iest”)

*estrange estate establish*

but: *trespass*

- *is* to *is*

Lots of words *starting* with “anti...”: *antisag anti-satellite antisience antisecrecy antisense antiseptic antishark antiship antishock antiskid antislavery antislip antismog antismoke antismuggling antismut antisocial antisolar antispasmodic antispellative antistatic antistick antistress antistrike antishubmarine antishubversion antisymmetric antisymphilitics*

but: *mantissa, gigantism, sycophantism, sycophantish*

- *sk* to *sk* (EB Garamond)

*greenskeeper groundskeeper*

*triskaidekaphobia rathskeller*

*miskeep miskept miskick misknow*

*Catskills Peekskill*

- *ll* to *ll*

*animallike bowllike eellike jewellike owllike petallike seallike snaillike soullike taillike tunnellite veillike wool-like*

*bowelless coalless goalless heeless idealless keeless mail-less mealless recoilless skillless skilllessness skilllessnesses soilless soulless soullessly soullessness soullessnesses tailless toolless trailless wheelless*

- *ij* to *ij*

*antijam hijack demijohns hijinks*

*trijet trijets*

*bijection bijective*

*bijou bijouterie*

*gaijin*

*jipijapa marijuana frijoles*

but: *mijnheer, de Bruijn, rijsttafel* (from Dutch)

## Part 4: Cases where one ligature pre-empts the use of a subsequent ligature

Cases of *as*, *es*, *is*, and *us* ligatures pre-empting use of *st* ligature

- *as* pre-empting *st*

*abreast aghast alabaſter antipaſto aſtern aſtir aſtoniſh aſtound aſtride aſtringent aſtronomy aſtute avaſt*

*baſtard baſte beaſt blaſt boaſt breakfaſt breaſt*

*caſt caſte coaſt cataſtrophe chaſte coaſt contraſt*

*devaſtate diſaſter draſtic dynaſty*

*eaſt eccleſiaſtic faſt faſten feaſt forecaſt*

*ghaſtly gaſtronomy gymnaſtics haſte lambaſt laſt leaſt*

*maſt maſter megaſtar metaſtable naſty oaſt oaſthouſe*

*paſt paſta paſtel paſtor paſteurize plaſtic roaſt*

*ſcholaſtic ſpaſtic ſteadfaſt ſtochaſtic toaſt upcoaſt waſte yaſt*

- *es* pre-empting *st*

*eſtablish eſtate eſteem eſter eſtrange eſtuary*

- *is* pre-empting *st*

*fiſt giſt griſt heiſt liſt miſt*

*adminiſter ſtaſtiſtics ſtaſtiſtically*

plus, *hundreds* of words ending in -iſt: *aſtiviſt*

*agronomiſt biologiſt etc.*

but: *miſthink miſthrow caliſthenic*

- *us* pre-empting *st*

*buſt cruſt diſguſt duſt exhauſt jouſt juſt luſt muſt ouſt*

*ruſt thruſt wanderluſt*

## Cases of *at* and *et* ligatures pre-empting a *th* ligature

- *at* ligature preempting the *th* ligature

*bath math lath lathe path*

*atheism athlete*

*beneath bequeath blather breath*

*catharsis catheter cathode catholic catholicism*

*death empathy father fathom feather*

*gather heath heathen loath*

*marathon oath pathetic pathology*

*rather rathskeller*

*scathe sheath slather strath swath*

*triathlon triathlete weather wrath wreath*

Words for which the *at* ligature need *not* be suppressed in favor of the *th* ligature: *bathhouse boathouse cathouse boathook meathook goatherd neatherd cathead fathead flathead meathead rathole greathearted*

- *et* ligature preempting the *th* ligature  
*bethank bethink bethorn bethought bethump*  
*dethrone doublethink firethorn flamethrower fore-*  
*thought freethinker methinks nonetheless nonethical*  
*rethink rethread something whitethroat*  
*twentieth thirtieth fortieth fiftieth sixtieth seventieth*  
*eightieth ninetieth hundreth*  
*amethyst bellwether brethren ethical ethane ether ethnic*  
*ethyl lethal lethargic methadone method plethora seethe*  
*teeth teethe tether together urethane*

Words for which *et*-ligature needn't be suppressed:  
*Beethoven prophethood sweetheart sweethearts*

### Cases of *as*-, *es*-, *is*-, and *us*-ligatures pre-empting use of *ʃp*-ligature

*asparagus aspidistra aspect aspire Casper Caspar clasp gasp*  
*grasp hasp Jasper rasp raspberry wasp* (but what to do about *asp*?)  
*megaspores tetraspore*  
*archesporia bespake bespatter bespeak bespoke bespoke be-*  
*sprinkle*  
*espy espied espionage counterspionage*  
*despair desperation desperado despise despite*  
*especially esplanade espouse*  
*finespun homespun gelandesprung*  
*prespecified*  
*respell respire respiratory respect disrespect doublespeak re-*  
*spray respring tablespoon*

but: *clothespin clothespress despot salespeople spokesperson*  
*trespass*

*crisp lisps whisper wisps*

but: *disparity dispart mispackage misplace*

*cusps tricuspid, auspicious suspect suspicious*

but: *suspend suspense suspension etc.*

### Cases of an *et* ligature pre-empting a *ta* ligature

Note: It appears to be the case that in all instances for which an *et* ligature should be suppressed in favor of a subsequent *ta* ligature, the *et* ligature spans a morpheme boundary and hence shouldn't be used anyway. Some examples:

*betake betatter bristletail caretaker cheetah detach detail detain*  
*dovetail foretaste horsetail nametag pretake pretape pretaste*  
*pretax retable retack retag retape retake retaliate retard retar-*  
*get whitetail wiretap*

Note that the *et*-ligature should not be suppressed globally in favor of a subsequent *ta* ligature because of the following groups of words:

- Words ending in -et-ary: *budgetary dietary monetary*  
*planetary proprietary secretary*
- Words ending in -et-able : *covetable depletable get-*  
*able interpretable marketable pocketable vegetable (but:*  
*retable, timetable)*
- Words ending in -et-al: *centripetal metal petal skeletal*  
*societal varietal vegetal*
- Words containing metal: *metal metallic metallurgy*