

# selnolig-english-test

## (Package version: 0.333; 2019/08/01)

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  
halflike shelflike halfives shelfives  
halfline roofline halfines rooflines  
leaflet leaflets leafleted leafleting leafletting leafletted leafleteer  
pdflatex (even better: pdfLaTeX or pdfL<sup>A</sup>T<sub>E</sub>X)
- 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 wolffish wolffishly

- ffl to ffl  
safflower

- ft to ft  
chieftain chieftaincy chieftaincies chieftainship chieftainships

halftime halftone halftimes halftones

rooftop rooftops rooftop rooftrees

wolftap calftap leaftrap offtrack

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 enfeoffing infeoffing  
 feoffing fluffing gaffing gruffing huffing luffing miff-  
 ing muffing offing piaffing puffing quaffing rebuffing  
 reffing restaffing restuffing riffing crossruffing over-  
 ruffing underruffing ruffing sclaffing scoffing scuffing

shroffing sluffing sniffing 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” option 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 distra† dis-  
 traught distribute distributed distribution distrust  
 disturb

*but*: distant distillation district

mistrust mistake mistaken

Maastricht

Charlestown crosstown

*And, do not suppress the st ligature for* castle forecastle, nestle wrestle, bristle bristletail distelfink epistle glisten gristle listen mistletoe thistle whistle, apostle joistle, 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 spokespeople townspeople tradespeople tribespeople

businessperson congressperson craftsperson draftserson newsperson salesperson spokesperson

transpacific transparent transpersonal transpierce transplant transplacental transpolar transport transposition

(but: transpicious transpire transponder)

(also: respond despondent corespond corresponder)

trespass trespassing

cisplatin

disparage disparaged disparagement disparagements disparager disparagers disparages disparaging disparagingly

disparate disparately disparateness disparatenesses

disparities disparity dispart parted departing parts

dispassion dispassionate dispassionately dispassionateness 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 dislosion dislosions

displume displumed displumes displuming

disport disported disporting disportment disports

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

disposition dispositional dispositions dispositive

dispossess dispossessed dispossesses dispossessing dispossession dispossessions dispossessor dispossessors

disposure disposures

dispraise dispraised dispraiser dispraisers dispraises dispraising dispraisingly

disprize disprized disprizes disprizing

disproof disproofs

disproportion disproportional disproportionate disproportionated disproportionately disproportionates disproportionating disproportionation disproportionations 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 indispensableness indispensablenesses indispensables indispensably

indispose indisposed indisposes indisposing indisposition indispositions

indisputable indisputableness indisputablenesses indisputably

misperception misphrase misplace misplant misplay misprice misprint mispronounce

predispose predisposed predisposes predisposing pre-  
 disposition predispositions  
 redisplay redisplayed redisplaying redispays  
 redipose rediposed rediposes rediposing rediposi-  
 tion redipositions  
 undisputable undisputed  
 suspend suspended suspends suspension  
*but*: disþersal disþersals disþersant disþersants disþerse  
 disþersed disþersedly disþerser disþersers disþerses dis-  
 persible disþersing disþersion disþersions disþersive  
 disþersively disþersiveness disþersivenesses  
 disþersoid disþersoids  
 disþirit disþirited disþiritedly disþiritedness disþirited-  
 nesses disþiriting disþirits  
 disþiteous  
 disþread disþreading disþreads  
 monodisþerse nondisþersive  
 polydisþerse polydisþersities polydisþersity

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 gueþhouse hot-  
 house lighthouse nuthouse oaþhouse outhouse penthouse  
 peþhouse pilothouse pothouse*  
*bolthead cathead fathead flathead gilthead hothead*  
*lightheaded maþhead meathead pithead pothead print-  
 head soþhead soþheaded*  
*fainthearted greathearted lighthearted soþhearted stout-  
 hearted sweetheart sweethearts*  
*adulthood aunthood knighthood parenthood priesthood*  
*prophethood sainthood servanthood*  
*bolthole knothole porthole poþhole peþhole pothole rat-  
 hole*  
*boathook meathook pothook*  
*foothold potholder roothold*  
*anthill foothill*  
*goatherd neatherd*  
*outhaul outhear outhit outhomer outhowl outhumor*  
*outhunt outhuþle*  
*shorthair shorthanded shorthorn*  
*antiapartheid apartheid duþheap firþhand nighthawk*

*poþharvest*  
*poþhumous poþhumously*  
*poþhunt 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*  
*deteþt undeteþtable deteþtive*  
*detent detention deteþt*  
*detract detrain detribalize detriment detritus*  
*bristletail 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 preteþt pre-  
 text pretitling*  
*pretreat pretrim pretrial*  
*retag retape retake reteach retie retile retime retint retire*  
*retiring retitle retrace retrack retract retrans retrans-  
 mit retread retreat retrench retrieve retribution retrieves*  
*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 antisatel-  
 lite antiscience antisecrecy antisense antiseptic antishark  
 antiship antishock antiskid antislavery antislip antismog  
 antismoke antismuggling antismut antisocial antiso-  
 lar antispasmodic antispiculative antistatic antistick  
 antistress antistrike antisubmarine antisubversion anti-  
 symmetric 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 heelless idealless keelless 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-empt 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*  
*yeaſt*

- *es* pre-empting *st*

*eſtablish eſtate eſteem eſter eſtrange eſtuary*

- *is* pre-empting *st*

*fiſt giſt griſt heiſt liſt miſt*  
*adminiſter ſtaſtics ſtaſtically*  
 plus, *hundreds* of words ending in *-iſt*: *actiſtiſt*  
*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 forethought 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 *sp*-ligature

*asparagus aspidistra aspect aspire Casper Caspar clasps gasp grasp hasp Jasper rasp raspberry wasp* (but what to do about *asp*?)

*megaspores tetraspore*

*archesporia bespake bespatter bespeak bespoke bespoke besprinkle*

*espy espied espionage counterespionage*

*despair desperation desperado despise despite*

*especially esplanade espouse*

*finespun homespun gelandesprung*

*prespecified*

*respell respire respiratory respect disrespect doublespeak respray 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 retarget 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 gettable 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*