

# selnolig-english-test

(Package version: 0.302; 2015/10/26)

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  
halfife shelfife halfives shelfives  
halfline roofline halfines rooflines  
leaflet leaflets leafleted leafleting leafletting leafletted leafleteer  
pdflatex (even better: pdfLaTeX or pdf<sup>l</sup>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  
halftime halftone halftimes halftones  
rooftop rooftops rooftree rooftrees  
wolftrap 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 encoffing incoffing  
feoffing fluffing gaffing gruffing huffing luffing miff-  
ing muffing offing piaffing puffing quaffing rebuffering  
reffing restaffing restuffing ruffing crossruffing over-  
ruffing underruffing 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 *θ* or *ϑ*) 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 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 fore-castle, nestle wrestle, bristle bristletail distelfink epistle glisten gristle listen mistletoe thistle whistle, apostle jostle, bustle hustle rustle

- *ſp* to *sp*

First reason: “*ph*” (from *ϕ* or *φ*) after “*s*”:

asphalt asphodel asphyxiate blaspheme blasphemy  
dysphagia dysphonia dysphoria sphagnum sphinx  
atmosphere bathysphere biosphere blogosphere eco-sphere 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 draftsper-  
son newsperson salesperson *ſpokesperson*

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 dispar-  
agingly

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 dispensabili-  
ties dispensability dispensable dispensaries dispensary  
dispensation dispensational dispensations dispen-  
satories dispensatory dispense dispensed dispenser  
dispensers dispenses dispensing

dispeople dispeopled dispeoples dispeopling

displace displaceable displaced displacement displace-  
ments displaces displacing

displant displanted displanting displants

display displayable displayed displaying displays

displease displeased displeases displeasing displeasure  
displeasures

displode disploded displodes disploding displosion  
displosions

displume displumed displumes displuming

disport disported disporting disportment disport-  
ments 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 dis-  
proportionated disproportionately disproportionates  
disproportionating disproportionation disproportion-  
ations disproportioned disproportioning disproport-  
ions

disprovable disprove disproved disproven disproves  
disproving

disputable disputably disputant disputants disputa-  
tion disputations disputatious disputatiously disputa-  
tiousness disputatiousnesses dispute disputed disputer  
disputers disputes disputing

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

indispensabilities indispensability indispensable in-  
dispensableness indispensablenesses indispensables  
indispensably

indispose indisposed indisposes indisposing indisposi-  
tion indispositions

indisputable indisputableness indisputablenesses in-  
disputably

misperception misphrase misplace misplant misplay  
misprice misprint mispronounce

predispose predisposed predisposes predisposing pre-  
disposition predispositions

redisplay redisplayed redisplaying redisplays

redisp~~o~~se redisp~~o~~sed redisp~~o~~ses redisp~~o~~sing redisp~~o~~sition  
 redisp~~o~~sitions  
 undisput~~a~~ble undisput~~e~~d  
 suspend suspend~~e~~d suspend~~s~~ suspend~~o~~n  
*but*: disp~~e~~rsal disp~~e~~rsals disp~~e~~rsant disp~~e~~rsants disp~~e~~rse  
 disp~~e~~rsed disp~~e~~rsedly disp~~e~~rser disp~~e~~rsers disp~~e~~rses  
 disp~~e~~r~~s~~ible disp~~e~~r~~s~~ing disp~~e~~r~~s~~ion disp~~e~~r~~s~~ions disp~~e~~r~~s~~ive  
 disp~~e~~r~~s~~ively disp~~e~~r~~s~~iveness disp~~e~~r~~s~~ivenesses  
 disp~~e~~r~~s~~oid disp~~e~~r~~s~~oids  
 disp~~i~~rit disp~~i~~rit~~e~~d disp~~i~~rit~~e~~dly disp~~i~~rit~~e~~dness disp~~i~~rit~~e~~-  
 ness~~e~~s disp~~i~~rit~~i~~ng disp~~i~~rit~~s~~  
 disp~~i~~teous  
 disp~~r~~ead disp~~r~~eading disp~~r~~eads  
 monodisp~~e~~rse nondisp~~e~~r~~s~~ive  
 polydisp~~e~~rse polydisp~~e~~r~~s~~ities polydisp~~e~~r~~s~~ity

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~~s~~thouse hot-  
 house lighthouse nuthouse oas~~t~~house outhouse penthouse  
 pes~~t~~house pilothouse pothouse  
 bolthead cathead fathead flathead gilthead hothead  
 lightheaded mas~~t~~head meathead pithead pothead print-  
 head softhead softheaded  
 fainthearted greathearted lightheaded softhearted stout-  
 hearted sweetheart sweethearts  
 adulthood aunthood knight~~h~~ood parenthood pries~~t~~hood  
 prophethood sainthood servanthood  
 bolthole knothole porthole pos~~t~~hole pes~~t~~hole 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 dustheap fir~~s~~thand nighthawk  
 pos~~t~~harvest  
 pos~~t~~humous pos~~t~~humously  
 pothunt warthog  
 watt~~h~~our kilowatt~~h~~our  
 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  
 detect undetectable detective  
 detent detention detest  
 detract 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 livetr~~a~~p mousetrap  
 axletree saddletree shoetree  
 timetable  
 preteen pretend pretence pretense pretentious pretest pre-  
 text pretitling  
 pretreat pretrim pretrial  
 retag retape retake reteach retie retile retime retint retire  
 retiring retile retrace retrack retract retrans retrans-  
 mit retread retreat retrench retrieve retribution retries  
 retrim retune  
 return unreturnable  
 entirety surety safety  
 entirities 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 antisatellite antisience antiseccrecy antisense antiseptic antishark antiship antishock antiskid antislavery antislip antismog antimoke antimuggling antismut antisocial antisolar antispasmodic antispiculative antistatic antistick antistress antistrike antissubmarine antissubversion 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 woollike*

*bowelless coalless goalless heeless idealless keeless mailless 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, rijstafel* (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 aſt*

*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 pre-empting 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 meathhead 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 hash Jasper rasp raspberry wash* (but what to do about *asp*?)

*megaspores tetraspore*

*archesporia bespake bespatter bespeak bespoke bespoke be-*  
*sprinkle*

*espy espied espionage counterespionage*

*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*