

**the interaction between  
ligatures hyphenation  
and kerning**

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# Ligature

effe

effe

e|ff|e

# Discretionary

```
\discretionary{pre}{post}{replace}
```

```
explicit: \-
```

```
automatic: -
```

```
regular: patterns
```

```
first: internal
```

```
second: internal
```

# Hyphenated ligature

ef-fe

e [f-] [f] [ff] e

e [f-] [f] [ff] e

# Substitution

effe

effe

e|f|f|e

# Hyphenation substitution

ef-fe

e [f-] [f] [ff] e

e [f-] [f] [ff] e

## Hyphenation substitution (2)

ef-fe

e [f-] [-f] [ff] e

e [f-] [-f] [ff] e

# Hyphenation substitution (3)

ef-fe

e [f-] [-f] [ff] e

e [f-] [-f] [ff] e



# Hyphenation substitution (4)

ef-fi-cient

e [f-] [fi] [ffi-] c

e [f-] [fi] [ffi-] c

# Languages

fijn

fijn

fijn

# Relevance of typesetting

glyphs (shapes) are a way to communicate

writing and reading are complementary

both were instrumental to progress

and both are under pressure

we need to distinguish between art and useability

typography is a tool, not an aim

# Relevance of ligatures

save space (less medium needed)

kind of arbitrary applied / provided

less relevant apart from look

alien for most readers

not always better readable

better spend energy elsewhere

SHOULD WE REALLY CARE ABOUT  
SUCH FEATURES IN A TIME WHEN  
KIDS NO LONGER NEED TO WRITE  
AND DON'T SEEM TO CARE AT ALL  
ABOUT HOW THINGS LOOK.