

1,024,122,880 bytes

20,000

ZX Spectrums



```
$ cabal install hindent
```

```
$ cabal install hindent  
...49 packages to install...
```

```
$ cabal install hindent  
...49 packages to install...  
...wait 3-4 hours...
```

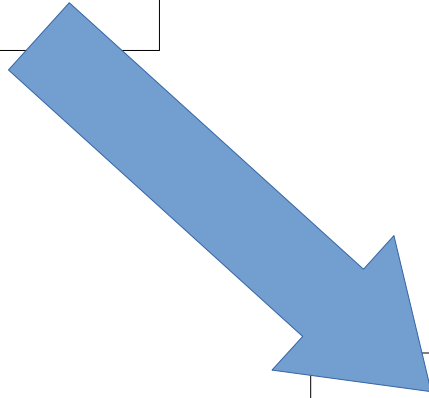
```
$ cabal install hindent  
...49 packages to install...  
...wait 3-4 hours...  
Killed
```

**WHY?**

Dependencies



**A**

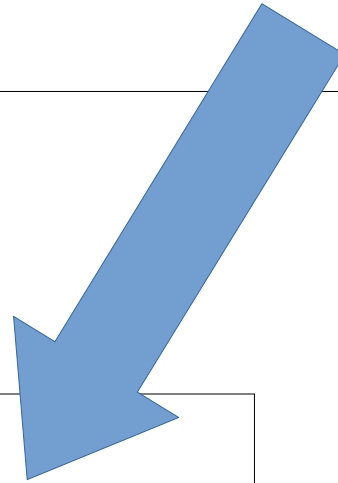
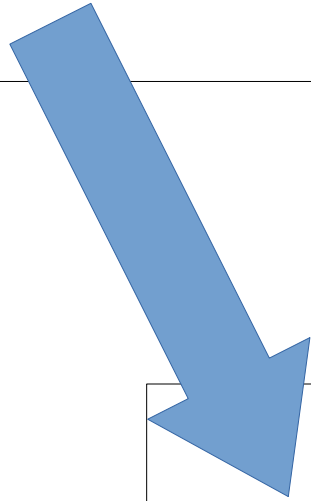


**B**

**A**

**Bimpl**

**IB**



**NO**



A dependency  
is a smell





Dependency  
Injection  
is an air  
freshener

“Find the  
dependencies –  
and eliminate  
them”

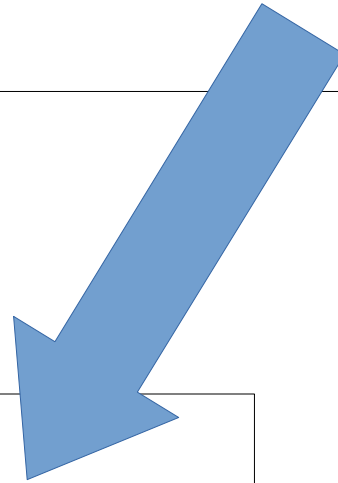
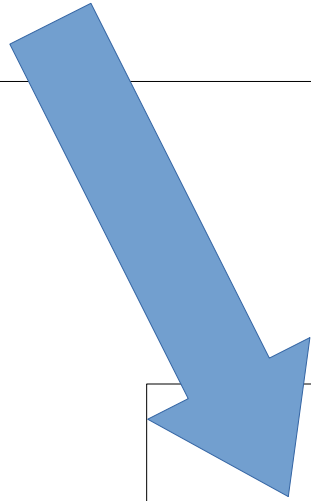
(Unofficial Excel team motto, 1990s)



**A**

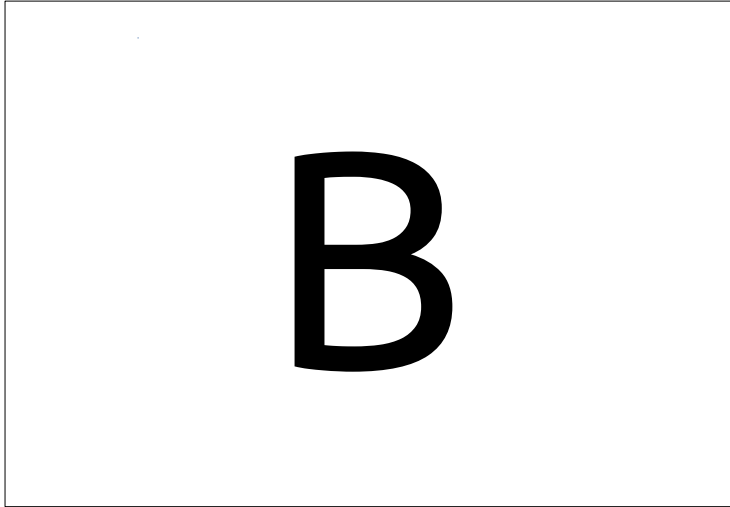
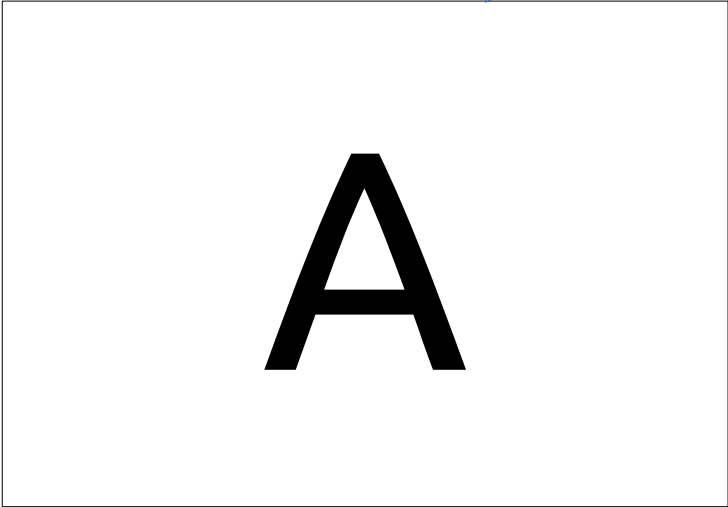
**Bimpl**

**IB**

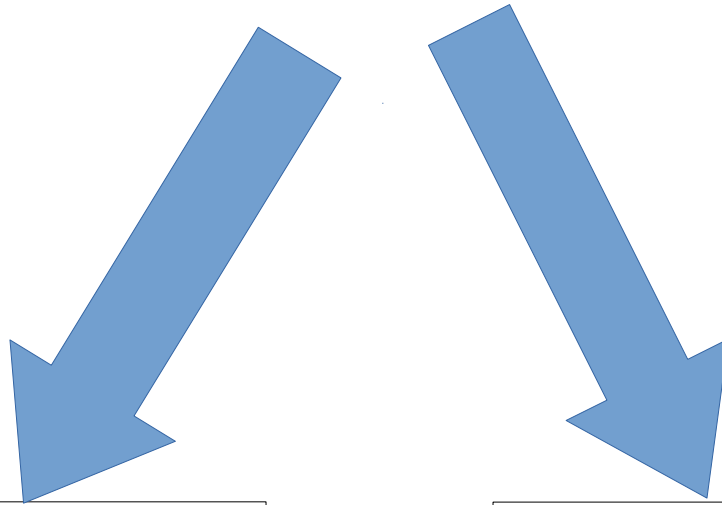




**X**

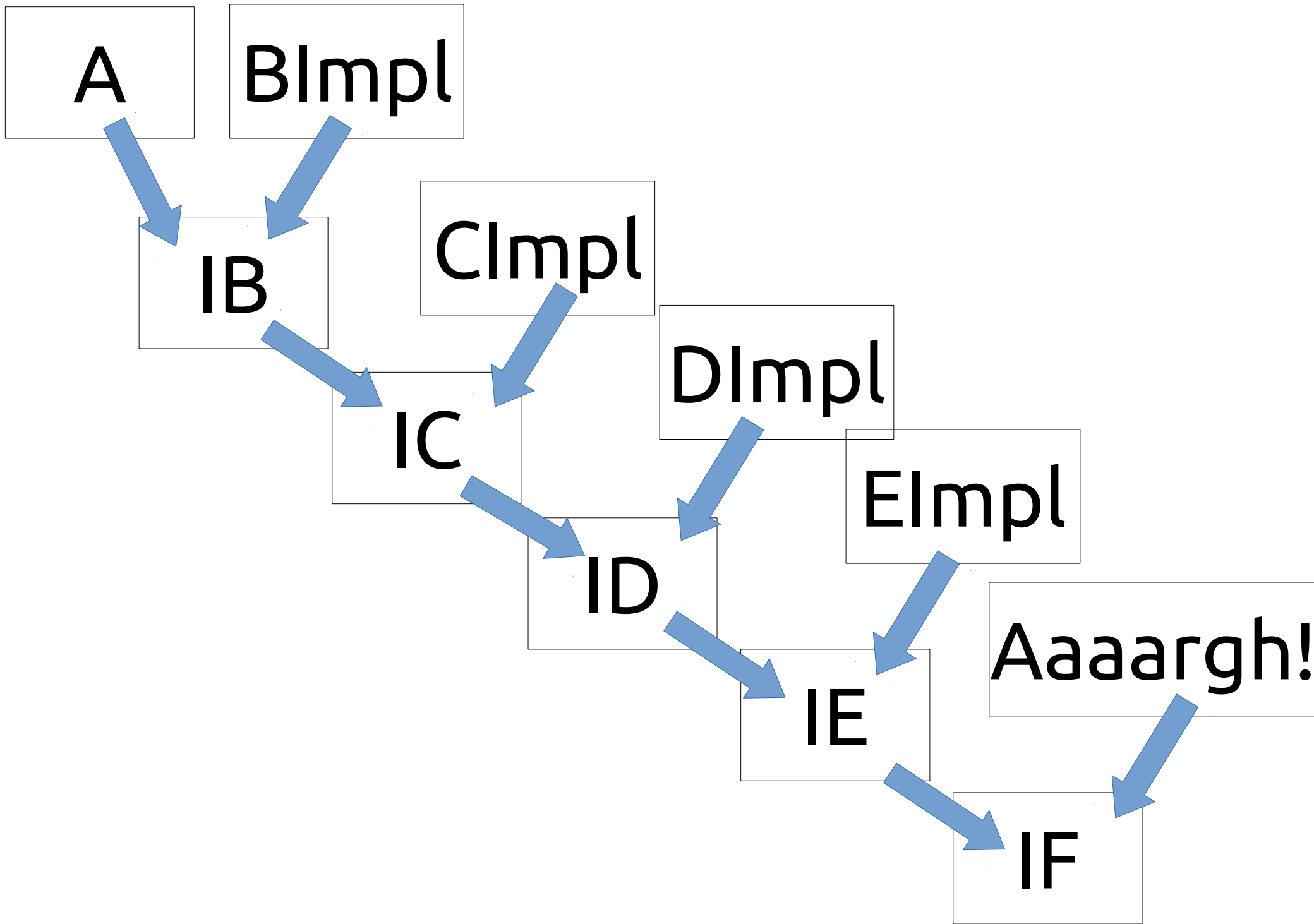


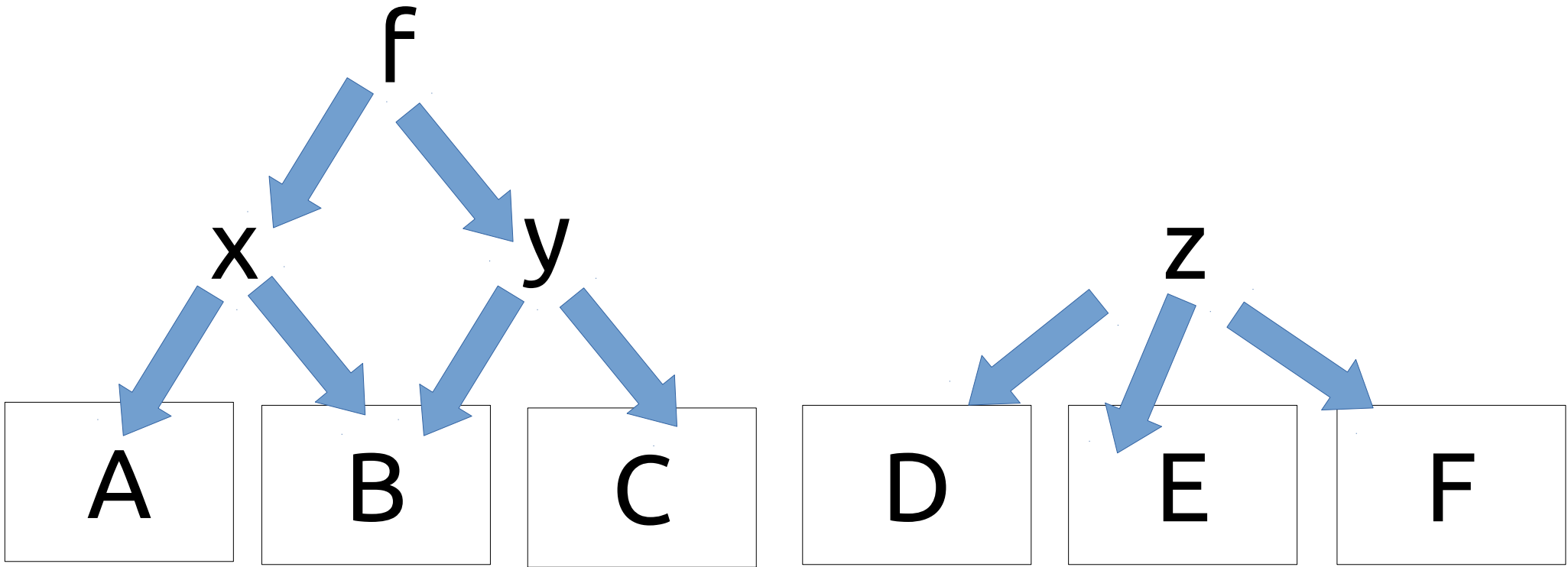
# do\_something



BeSomething

BeSomething





Does your class need  
a clock?

Or does it need to  
know the time?

Should you inject a  
MetricsUpdater?

Or return a number?

# DESTROY DEPENDENCIES



# Dependency Injection frameworks





# DESTROY DEPENDENCIES

