

Delegation





























































































































































































































































































































































































































































































































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*[giant,***,monster]*

```
class CensoredList(private val delegate: List<String>) : List<String> {  
    companion object {  
        fun censoredListOf(vararg args: String) = CensoredList(listOf(*args))  
    }  
    override fun contains(element: String): Boolean = delegate.contains(element)  
    override fun listIterator(index: Int): ListIterator<String> =  
        delegate.listIterator(index)  
    /* 10 other override fun / val */  
  
    override fun toString(): String =  
        delegate.map { if (it == "spaghetti") "***" else it }.toString()  
} //~30 lines of code
```

```
fun main() {  
    val words = censoredListOf("giant", "spaghetti", "monster")  
    println(words)  
}
```

Delegation

```
class CensoredList(private val delegate: List<String>) : List<String> {
    companion object {
        fun censoredListOf(vararg args: String) = CensoredList(listOf(*args))
    }
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    override fun toString(): String =
        delegate.map { if (it == "spaghetti") "***" else it }.toString()
} //~30 lines of code

fun main() {
    val words = censoredListOf("giant", "spaghetti", "monster")
    println(words) [giant, ***, monster]
}
```

Delegation

built-in support

```
fun main() {  
    val words = censoredListOf("giant", "spaghetti", "monster")  
    println(words) [giant, ***, monster]  
}
```