\[ d^* (d \mid d) d^* \]
L C \((abc)^{*}\) s.t. some letter appears 3 or more times

NFA

```
START -> O(abc) -> O(ac) -> O(ab) -> O(b) -> O(ab) -> O(c) -> O
```

minimal DFA: 28 states

\(2^7 = 2^3\) represent 0, 1, 2 as \(a, b, c\) seen

1 = final state: enough of something seen

One possible RE:

\[((abc)^{*}a \ (abc)^{*}a \ (abc)^{*}a)\]

\(((alc)^{*}b \ (alc)^{*}b \ (alc)^{*}b)\]

\(((alb)^{*}c \ (alb)^{*}c \ (alb)^{*}c)) \ (alb)^{*}\]

\(\Rightarrow > 28\) states

But consider generalization to 10-letter alphabet!