

Exercise 03-01 - Using an abstract pattern

Explanation

One of the possible solutions for this exercise is in `solution/solution.sch`:

```
<schema xmlns="http://purl.oclc.org/dsdl/schematron" queryBinding="xslt3">

  <pattern abstract="true" id="check-weight">
    <!-- Parameter: $type, $maxweight -->
    <rule context="$type">
      <assert test="xs:integer(weight-kg) le $maxweight">This weighs too much</assert>
    </rule>
  </pattern>

  <pattern is-a="check-weight">
    <param name="type" value="crate[@type eq 'wood']"/>
    <param name="maxweight" value="30"/>
  </pattern>

  <pattern is-a="check-weight">
    <param name="type" value="container"/>
    <param name="maxweight" value="2500"/>
  </pattern>

</schema>
```

- The abstract pattern with identifier `check-weight` implements a weight check for some element (`$type`) against a maximum weight (`$maxweight`).
- This pattern is instantiated twice: Once for wooden crates and once for containers.