

# DIT636 / DAT560 - Combinatorial Interaction Testing Activity

You are designing system-level tests for a web browser with multiple configuration options. You have identified the following **choices** with **representative values** for each.

- Choice: Allow Content to Load
  - Allow
  - Restrict
  - Block
- Choice: Allow Cookies
  - Allow
  - Restrict
  - Block
- Choice: Notify about Pop-Ups
  - Yes
  - No
- Choice: Warn about Add-Ons
  - Yes
  - No
- Choice: Warn about Attack Sites
  - Yes
  - No
- Choice: Warn about Forgeries
  - Yes
  - No

The full set of possible test specifications for these values and choices contains 144 tests. This is too many! Instead, we want to create a subset of specifications that covers all **pairwise (2-way) value combinations** in fewer test specifications.

(hint: start with two variables with the most values and add additional variables one at a time)