

| Requirement Identifiers | Reqs Tested | UR_FIRETRUCKS_UNIQUE_SPEC | UR_FIRETRUCKS_REFILL | UR_FIRETRUCK_REPAIR | UR_ET_UNIQUE_SPEC | UR_ET_IMPROVEMENT | UR_FIRETRUCK_MIN_START | UR_ET_MIN_STAR | UR_WIN_CONDITION | UR_LOSS_CONDITION | UR_ET_DESTROYS_STATION | UR_MINIGAME | UR_DIFFICULTY_LEVEL | UR_CONTROLLER | UR_HIGHSORE | UR_MOBILE | UR_INSTRUCTIONS | UR_GAME_TIMER | UR_INTUITIVE | UR_COLOUR_ACCESSIBILITY | UR_PATROLS | UR_FORTRESS_ATTACK |
|-------------------------|-------------|---------------------------|----------------------|---------------------|-------------------|-------------------|------------------------|----------------|------------------|-------------------|------------------------|-------------|---------------------|---------------|-------------|-----------|-----------------|---------------|--------------|-------------------------|------------|--------------------|
| Test Cases              | 253         | 20                        | 9                    | 13                  | 14                | 8                 | 2                      | 11             | 15               | 22                | 12                     | 5           | 14                  | 0             | 12          | 0         | 0               | 0             | 20           | 1                       | 18         | 17                 |
| Test explicitly         | 44          |                           |                      |                     |                   |                   |                        |                |                  |                   |                        |             |                     |               |             |           |                 |               |              |                         |            |                    |
| Allen_1.1               | 3           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             |                     |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.2               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.3               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.4               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.5               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.6               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.7               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| Allen_1.8               | 4           |                           |                      |                     |                   |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            |                    |
| BulletDispenser_1.1     | 7           |                           | X                    | X                   | X                 |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            | X                  |
| BulletDispenser_1.2     | 6           |                           | X                    | X                   | X                 |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            | X                  |
| BulletDispenser_1.3     | 6           |                           | X                    | X                   | X                 |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            | X                  |
| BulletDispenser_1.4     | 6           |                           | X                    | X                   | X                 |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            | X                  |
| BulletDispenser_1.5     | 6           |                           | X                    | X                   | X                 |                   |                        |                |                  | X                 |                        |             | X                   |               |             |           |                 |               | X            |                         |            | X                  |
| Entity_1.1              | 13 X        |                           |                      | X                   | X                 | X                 | X                      | X              | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.2              | 9 X         |                           | X                    | X                   | X                 | X                 | X                      | X              | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.3              | 9 X         |                           | X                    | X                   | X                 | X                 | X                      | X              | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.4              | 9 X         |                           | X                    | X                   | X                 | X                 | X                      | X              | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.5              | 9 X         |                           | X                    | X                   | X                 | X                 | X                      | X              | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.6              | 5           |                           |                      |                     |                   |                   |                        |                | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.7              | 5           |                           |                      |                     |                   |                   |                        |                | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.8              | 5           |                           |                      |                     |                   |                   |                        |                | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| Entity_1.9              | 5           |                           |                      |                     |                   |                   |                        |                | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         | X          | X                  |
| FireTruck_1.1           | 9 X         |                           | X                    | X                   |                   |                   | X                      | X              | X                | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         |            |                    |
| FireTruck_1.2           | 3 X         |                           |                      |                     |                   |                   |                        |                | X                |                   |                        |             |                     |               |             |           |                 |               | X            |                         |            |                    |
| FireTruck_1.3           | 3 X         |                           |                      |                     |                   |                   |                        |                | X                |                   |                        |             |                     |               |             |           |                 |               | X            |                         |            |                    |
| FireTruck_1.4           | 3 X         |                           |                      |                     |                   |                   |                        |                | X                |                   |                        |             |                     |               |             |           |                 |               | X            |                         |            |                    |
| FireTruck_1.5           | 3 X         |                           |                      |                     |                   |                   |                        |                | X                |                   |                        |             |                     |               |             |           |                 |               | X            |                         |            |                    |
| FireTruck_1.6           | 6           |                           | X                    |                     |                   |                   |                        |                |                  |                   | X                      | X           |                     |               |             |           |                 |               |              |                         |            | X                  |
| FireTruck_1.7           | 5           |                           | X                    |                     |                   |                   |                        |                |                  | X                 | X                      | X           |                     |               |             |           |                 |               |              |                         |            | X                  |
| FireTruck_1.8           | 5 X         |                           |                      | X                   |                   | X                 |                        |                |                  |                   | X                      | X           |                     |               |             |           |                 |               |              |                         |            | X                  |
| FireTruck_1.9           | 3 X         |                           | X                    |                     |                   |                   |                        |                |                  |                   |                        | X           |                     |               |             |           |                 |               |              |                         |            | X                  |
| GameObject_1.1          | 6 X         |                           |                      |                     | X                 |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.2          | 4 X         |                           |                      |                     | X                 |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.3          | 4 X         |                           |                      |                     | X                 |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.4          | 4 X         |                           |                      |                     | X                 |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.5          | 4 X         |                           |                      |                     | X                 |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.6          | 4 X         |                           |                      |                     | X                 |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.7          | 2           |                           |                      |                     |                   |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.8          | 2           |                           |                      |                     |                   |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| GameObject_1.9          | 2           |                           |                      |                     |                   |                   |                        | X              |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |
| StatBar_1.1             | 5 X         |                           |                      | X                   | X                 | X                 |                        |                |                  |                   |                        |             |                     |               |             |           |                 |               | X            |                         |            | X                  |
| WaterStream_1.1         | 5 X         |                           | X                    |                     | X                 |                   |                        |                |                  |                   |                        | X           |                     |               |             |           |                 |               | X            |                         |            | X                  |

Key for colours:  
Original Code:   
Altered Code: