Video script

Beginning

The initial image is projected during 5 seconds.

The traffic light challenge

Mathematical subject: Combinatorics

Age-group: 4-6

Game 1.

1. A static image of the app:

Simultaneously, the following **voice-over** is heard:

"Mathina and Leo would like to cross a street in Logi-city in order to finally get an ice cream. The kangaroo explains to them that first they need to produce all possible color combinations of the traffic lights ahead of them.

The aim of this app is to experiment with the number and color combinations of traffic lights."

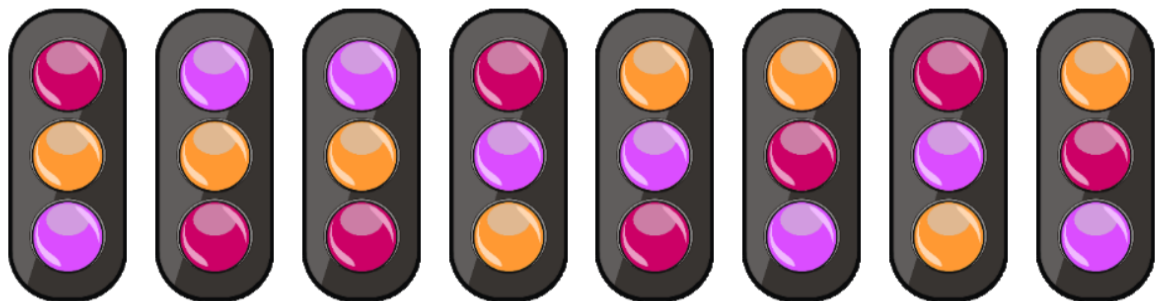2. A **screen recording** is projected showing someone solving the app. **Voice-over**:

First challenge: *"On the app screen you see three color fields - violet, orange and pink - and a blank traffic light. By clicking on a color, the traffic lamp's first light will appear in this certain color. You can add one color only once. If you've added all three colors, go on and add another blank lamp by clicking on the label "Add traffic light". If you think that you've added the wrong color, you can set the lamp blank again by clicking on the label "Reset color choice". You can also drag a ready traffic light to the dustbin if you were mistaken."*

3. **Screen recording**. **Voice-over**:

"This version of the app has no right or wrong solution, the aim is free experimentation and play."

Game 2

1. A static image of the app:

Simultaneously, the following **voice-over** is heard:

"Leo is convinced that there are eight possible color combinations. Mathina corrects him by saying that some of them Leo has mentioned twice. Which lights are double?

The goal of this game is to sort out identical lights from the sequence."

2. A **screen recording** is projected showing someone solving the app. **Voice-over**:

"Eight traffic lights are seen on the app screen in a row. You can merge identical traffic lights by dragging them from one place to another. Once identical lights are placed next to each other, superfluous items disappear. Once you've found the right solution, you'll see this screen. By clicking on the green arrow, you go back to the initial app page."

3. **Screen recording**. **Voice-over**:

"With this app, in a playful and interactive way, it is possible to differentiate between identical and different objects."

END

A list of all credits presented in a black background: 1) Mathina Project with the UE logo, 2) list of the partners with the corresponding logos, 3) the educator's repository address.