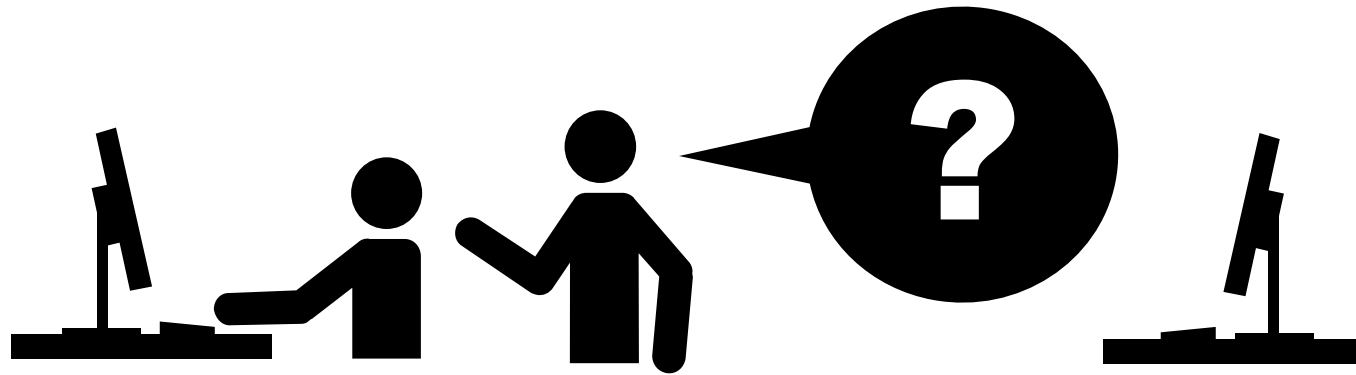


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how to build an mvp



# Minimum Viable Product



how to build an mvp



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### HOW TO BUILD A MINIMUM VIABLE PRODUCT

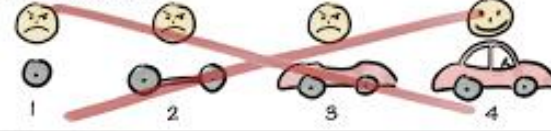
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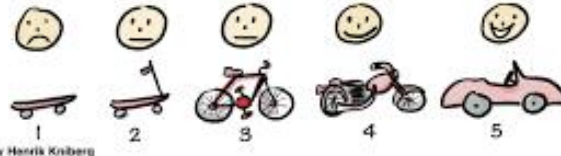
#### LIKE THIS



#### Not like this....



#### Like this!



by Henrik Kniberg

#### How not to build a minimum viable product



#### How to build a minimum viable product



# MVP

#### How not to build a Minimum Viable Product (MVP)



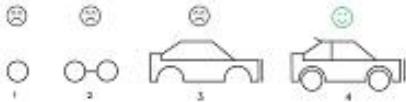
#### How to build a Minimum Viable Product (MVP)



## HOW TO BUILD A

### MINIMUM VIABLE PRODUCT (MVP)

#### NOT LIKE THIS



#### LIKE THIS



#### HOW NOT TO BUILD A MINIMUM VIABLE PRODUCT



#### ALSO HOW NOT TO BUILD A MINIMUM VIABLE PRODUCT



#### HOW TO BUILD A MINIMUM VIABLE PRODUCT



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### HOW TO BUILD A MINIMUM VIABLE PRODUCT

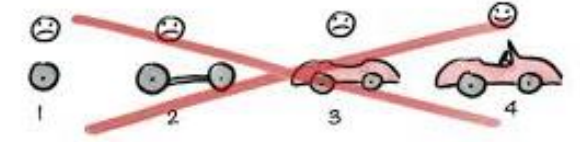
#### NOT LIKE THIS



#### LIKE THIS

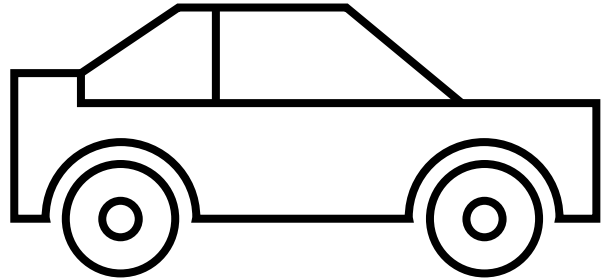
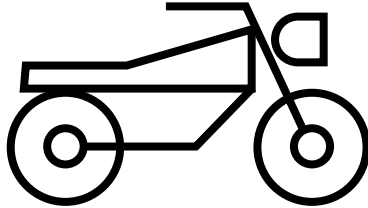
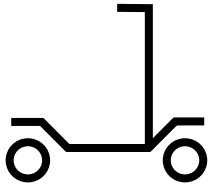
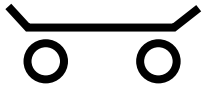
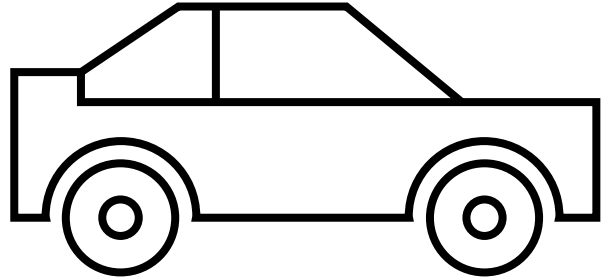
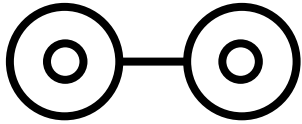
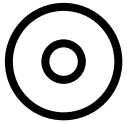


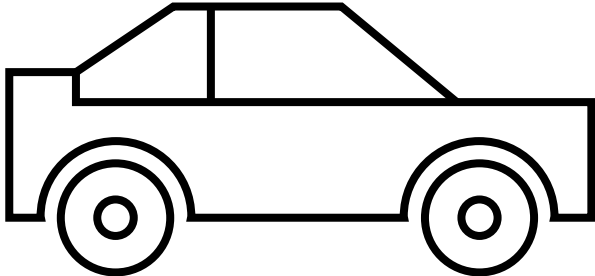
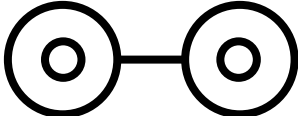
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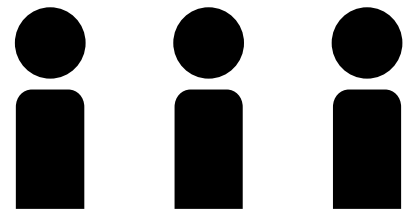
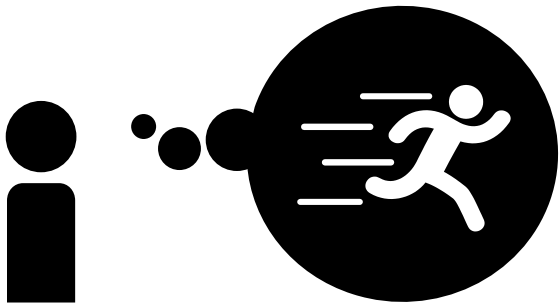
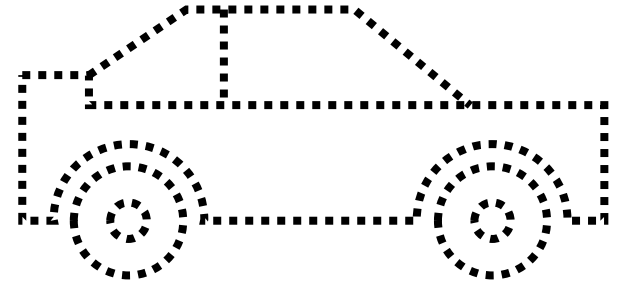
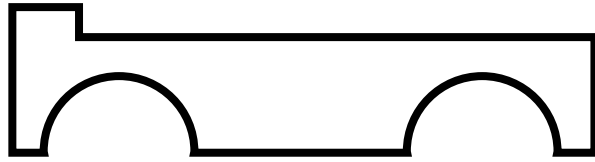
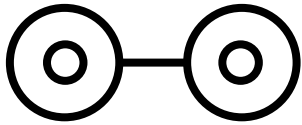
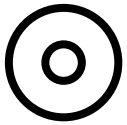


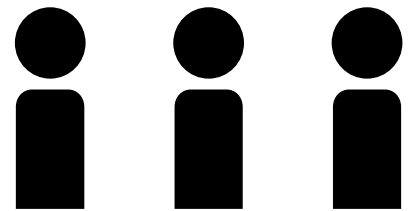
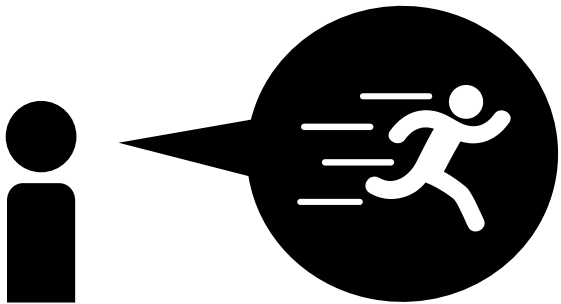
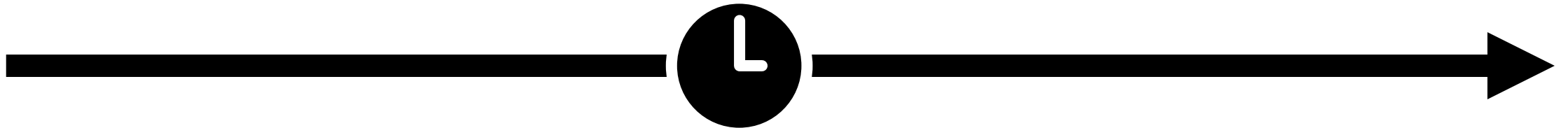
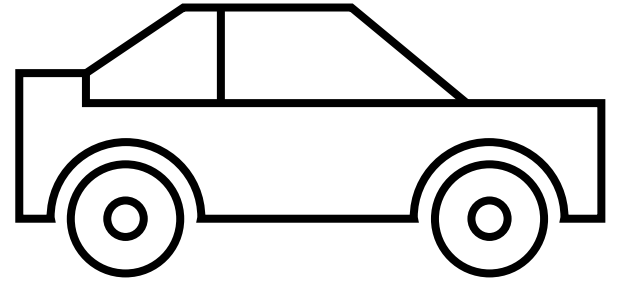
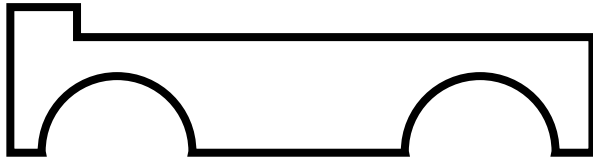
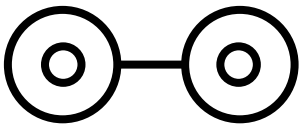
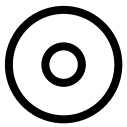
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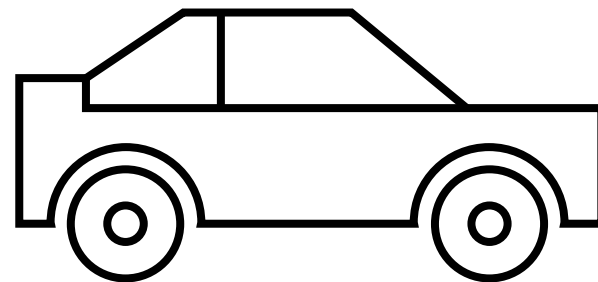
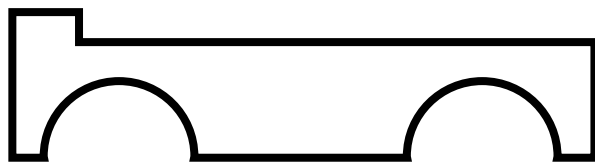
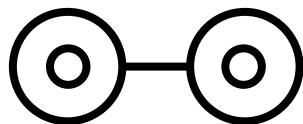






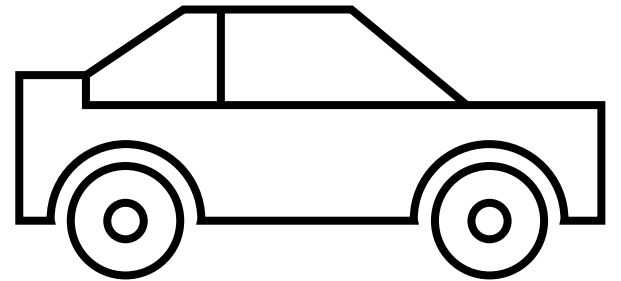
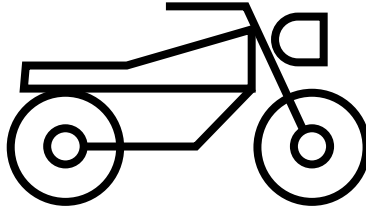
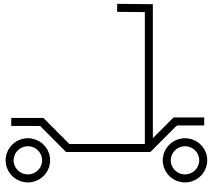
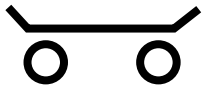
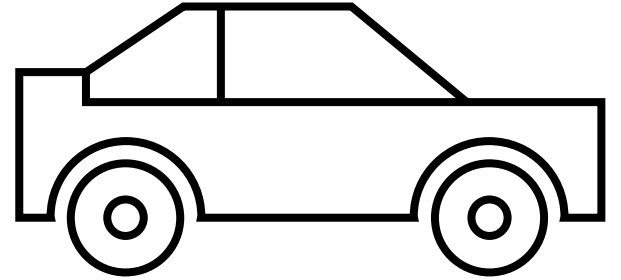
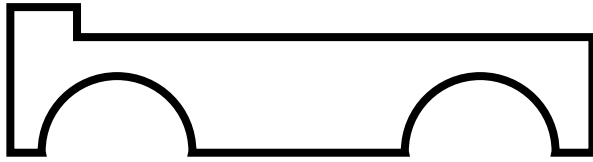
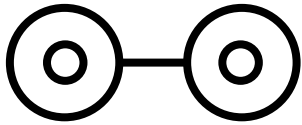
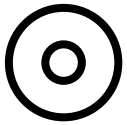


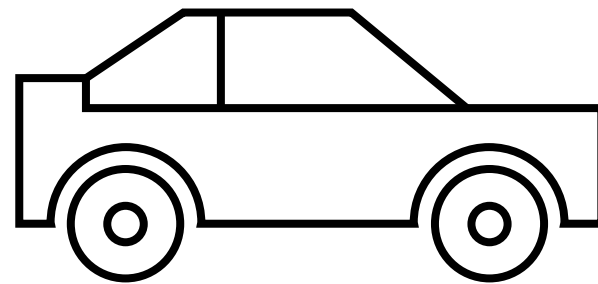
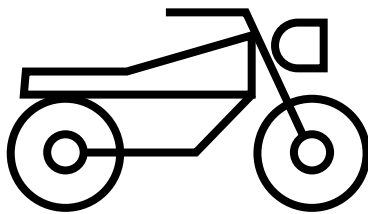
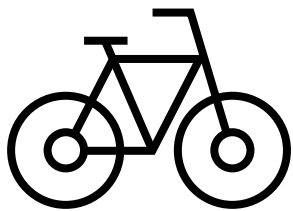
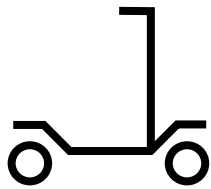
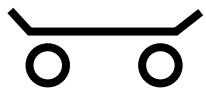


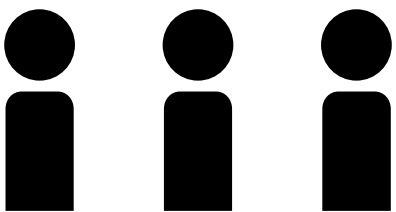
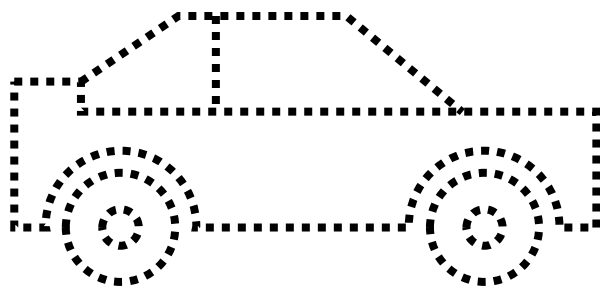


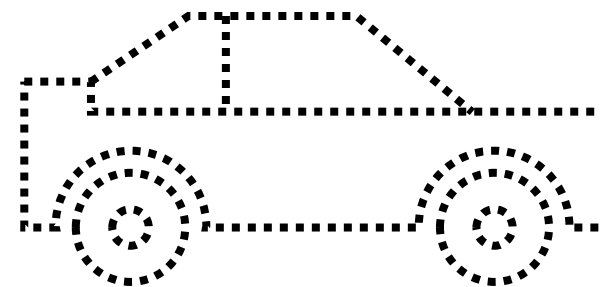
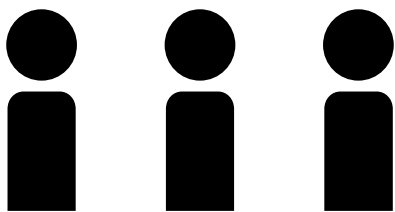
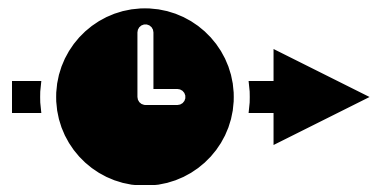
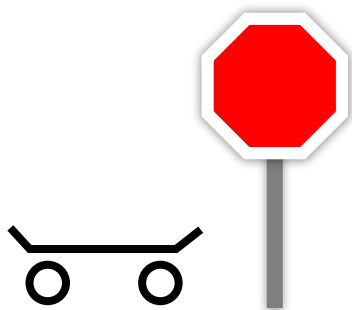
Feature-centered

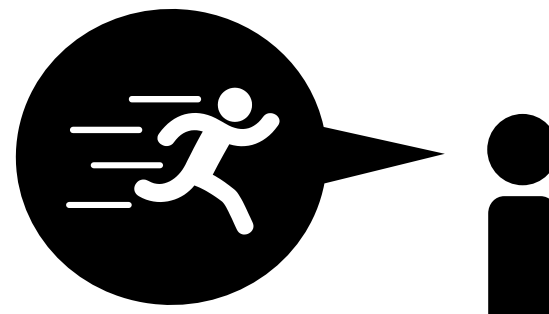
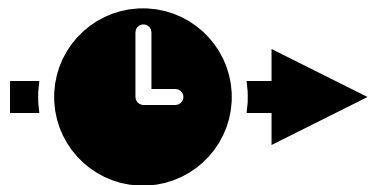
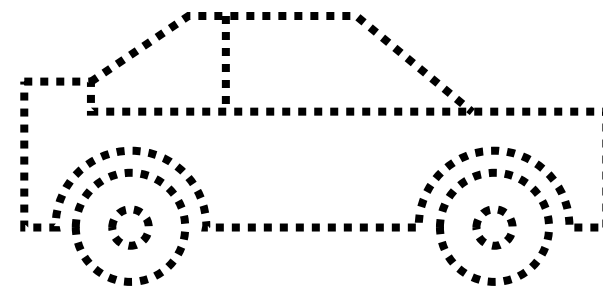
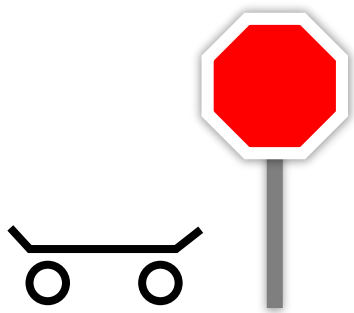


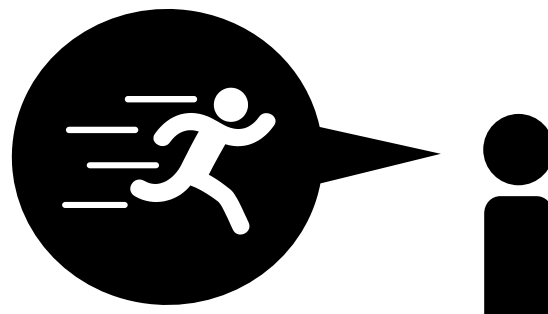
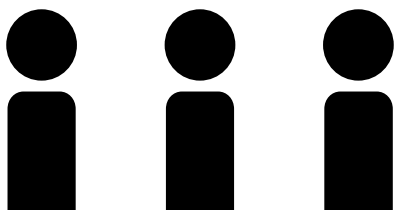
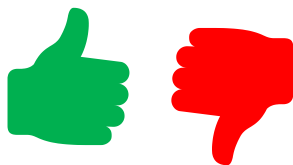
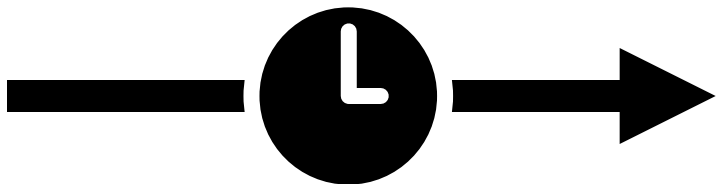
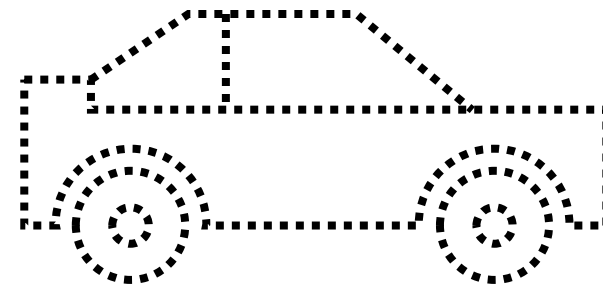
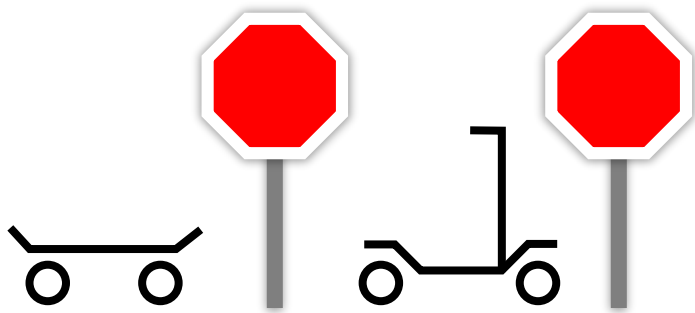


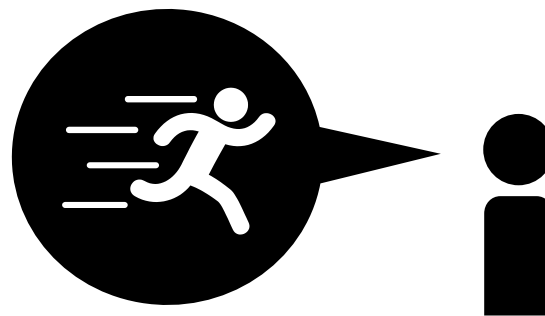
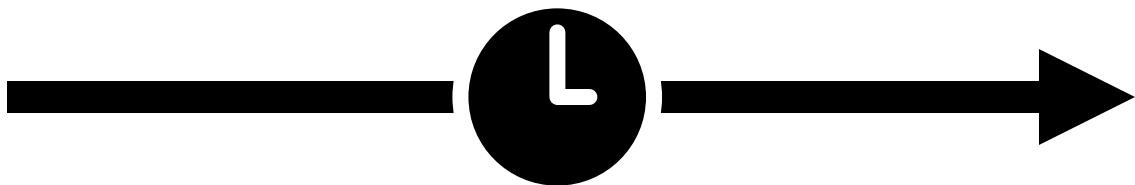
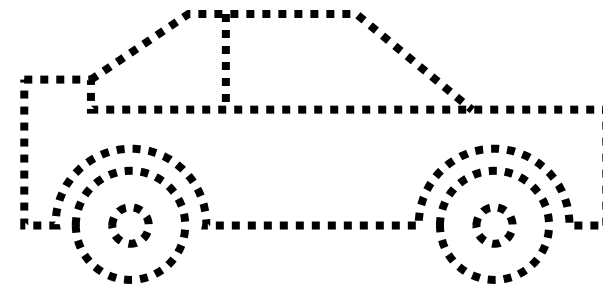
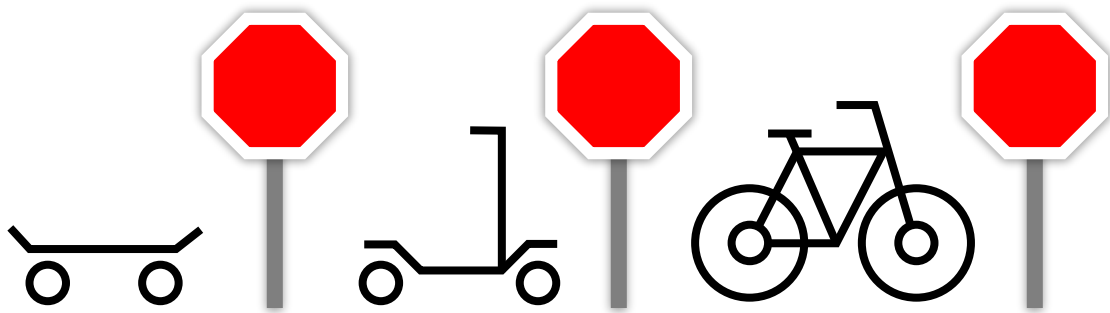


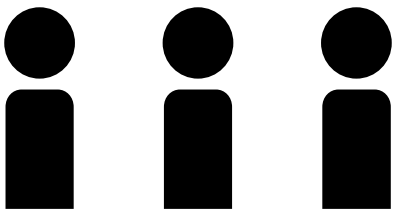
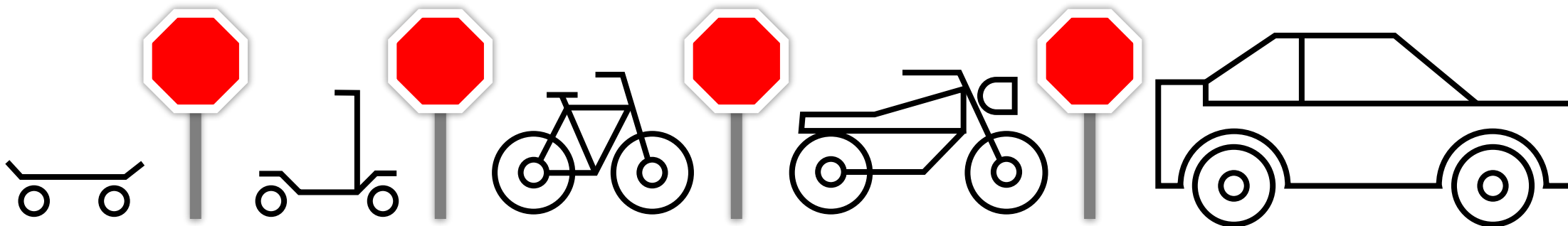




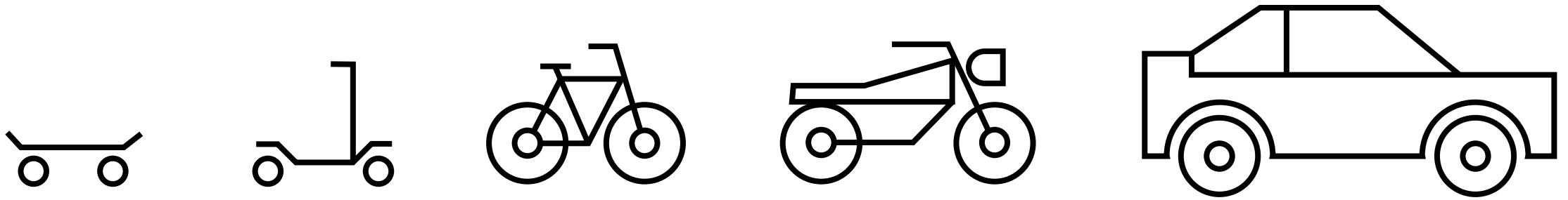




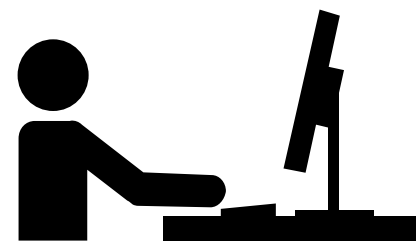
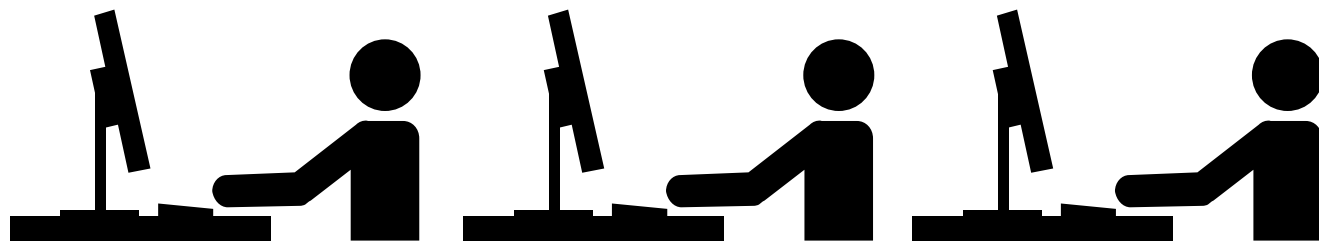
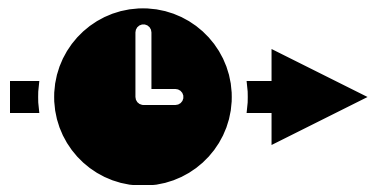
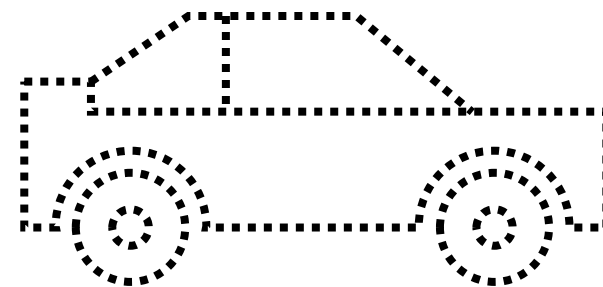
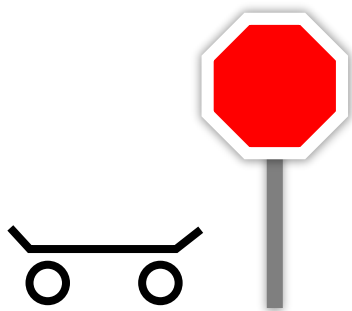


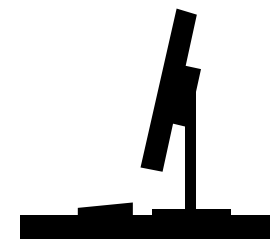
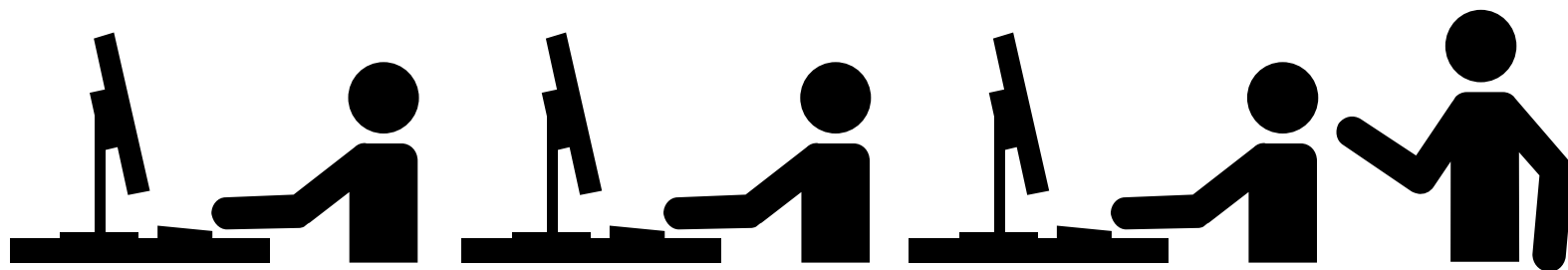
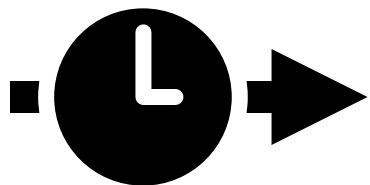
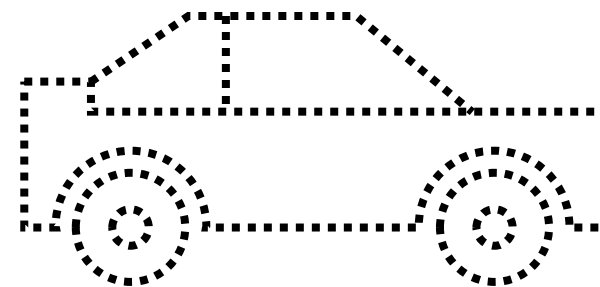
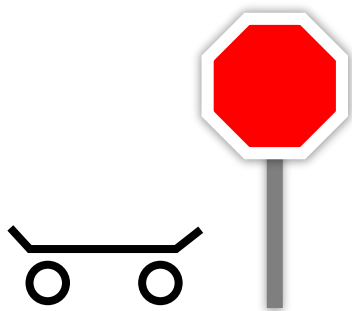


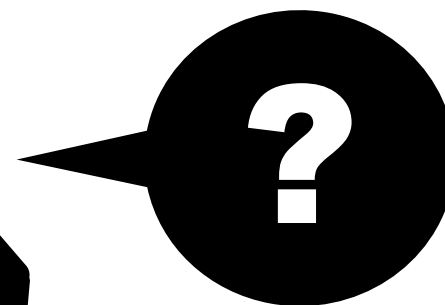
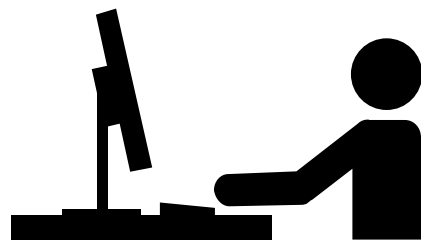
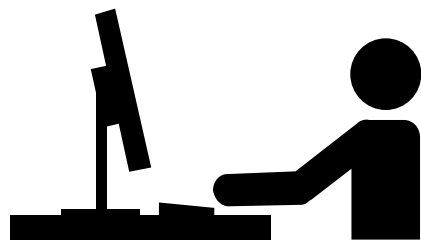
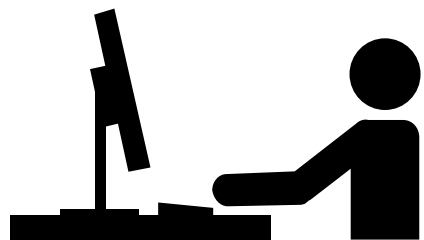
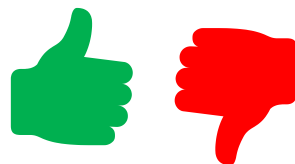
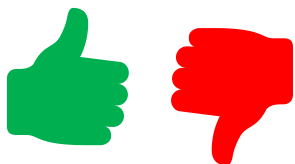
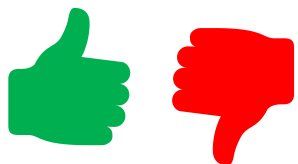
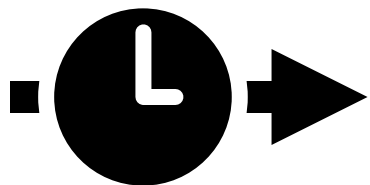
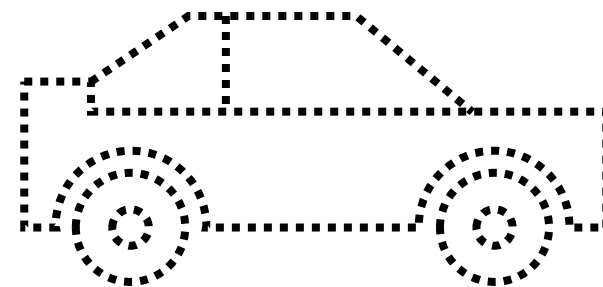
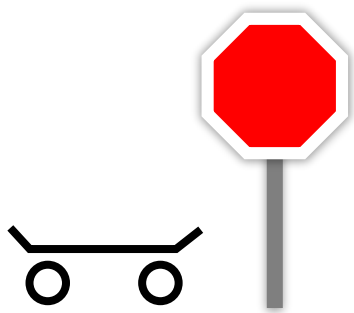


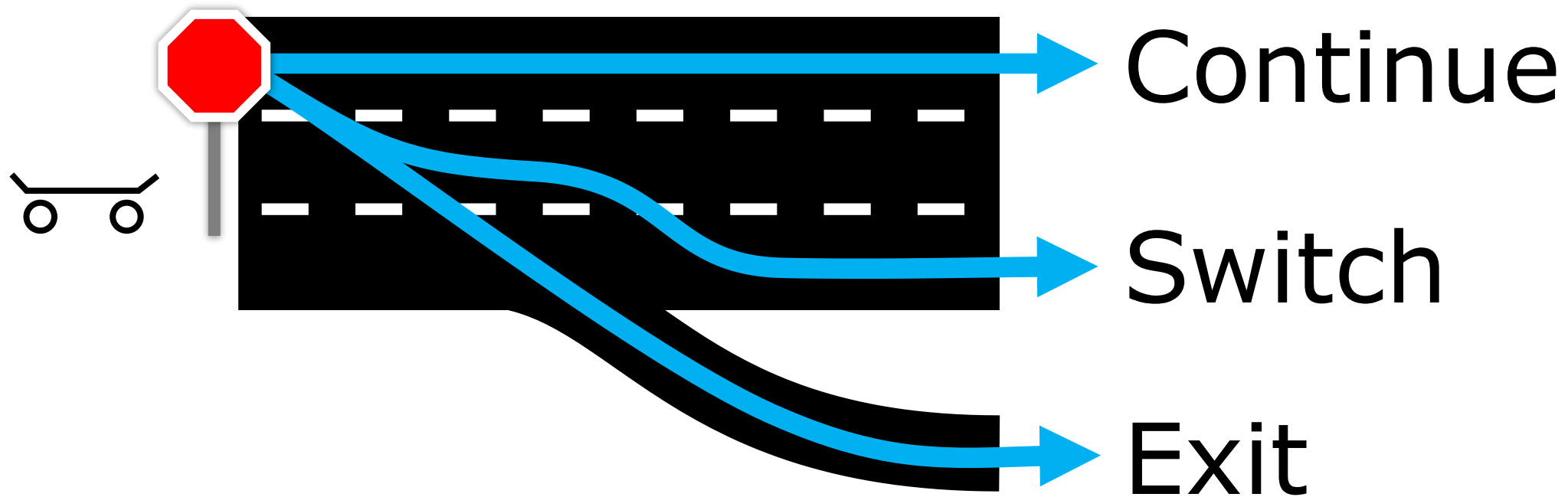


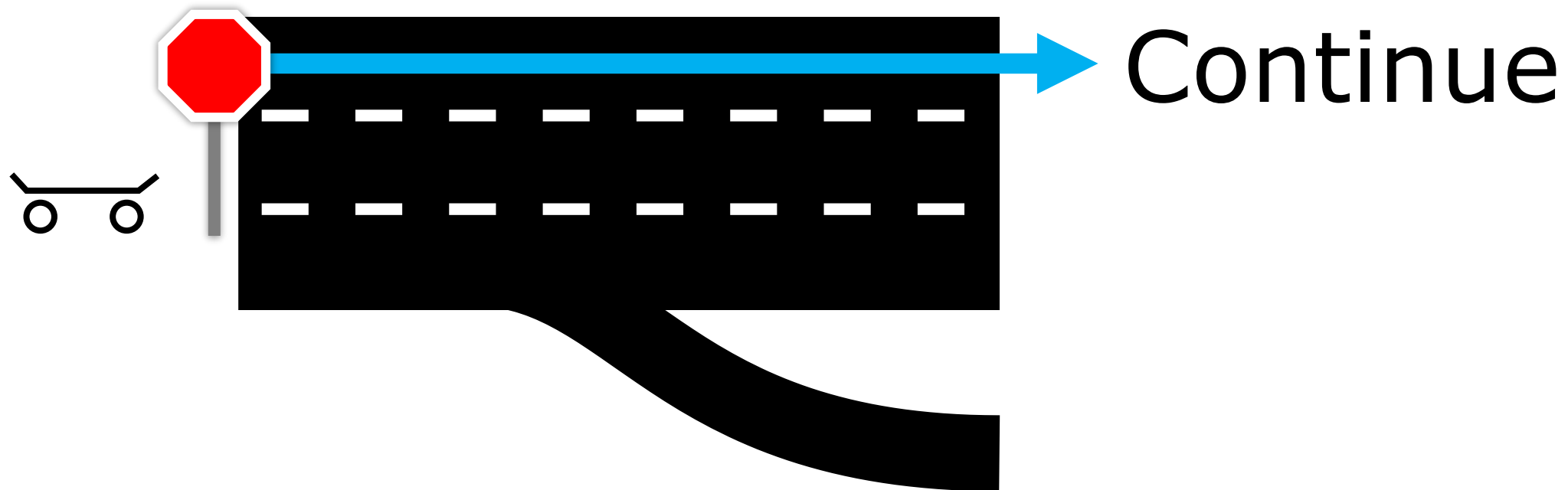
# User-centered













 TOM CLANCY'S

# RAINBOW SIX SIEGE












**General**

Set Destructible

Rebuild from children

**Navigation**

Delete children

**Visibility Options**

Fragments: ☒ V ☐ H ☐ X

Collision: ☐ V ☒ H ☐ X

HiRes Col: ☐ V ☒ H ☐ X

Cust. Col: ☐ V ☒ H ☐ X

UnHide All Hierarchy

Explode fragments: 0.0

Shrink fragments: 1.0

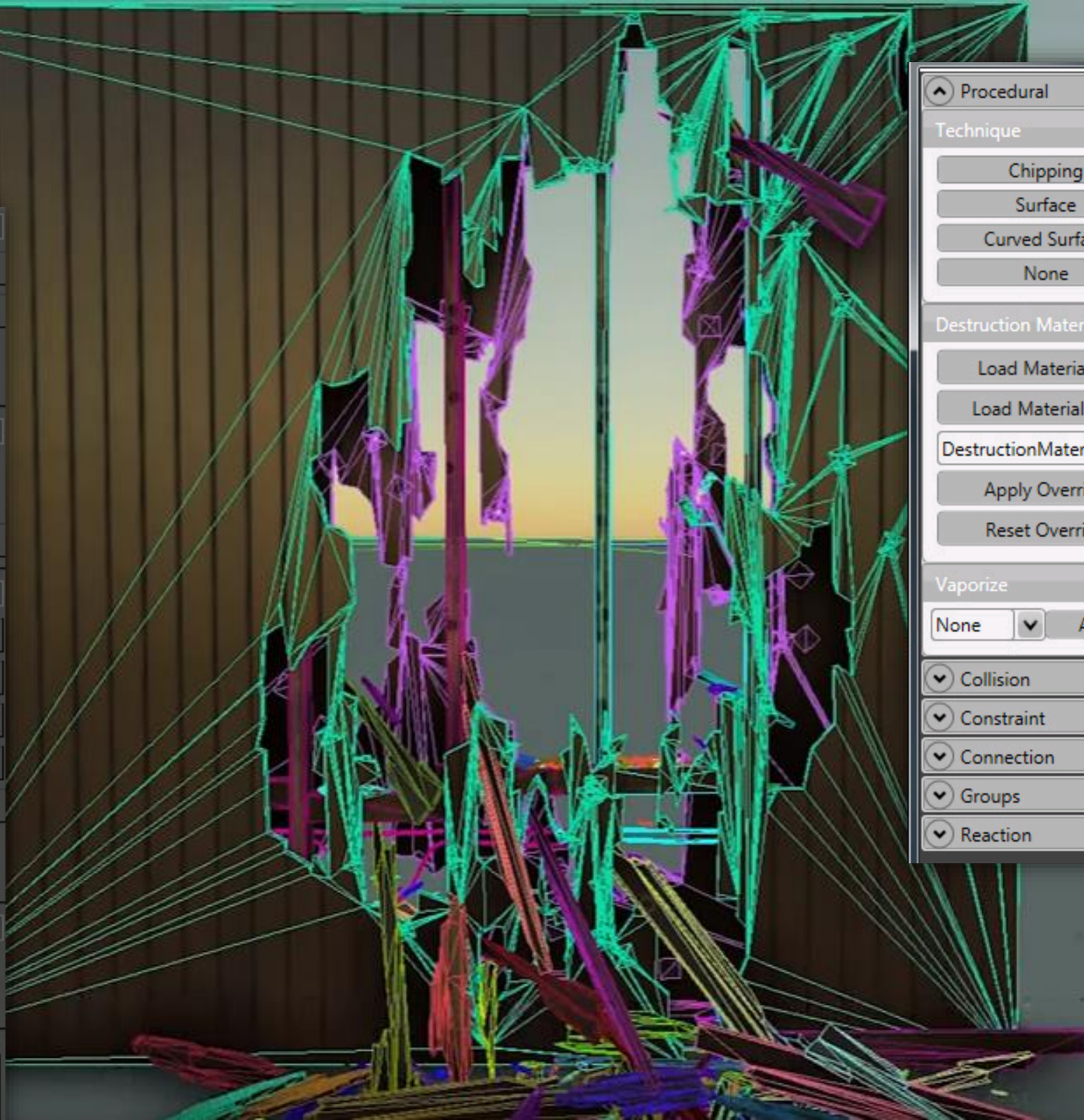
**Fragmenter**

Fragmentation Type:

Voronoi

**Options**

Nb. pieces: 12



**Procedural**

Technique

Chipping

Surface

Curved Surface

None

Destruction Material

Load Materials Id

Load Materials List

DestructionMaterial\_C

Apply Override

Reset Override

Vaporize

None

Apply

Collision

Constraint

Connection

Groups

Reaction

Select by property

Fragment Name

**RBTest\_Box01\_A**

RBTest\_Box01\_A\_RBfrag\_A1\_LOD0

RBTest\_Box01\_A\_RBfrag\_A2\_LOD0

RBTest\_Box01\_A\_RBfrag\_B1\_LOD0

RBTest\_Box01\_A\_RBfrag\_B2\_LOD0

RBTest\_Box01\_A\_RBfrag\_A4\_LOD0

RBTest\_Box01\_A\_RBfrag\_A5\_LOD0

RBTest\_Box01\_A\_RBfrag\_A6\_LOD0

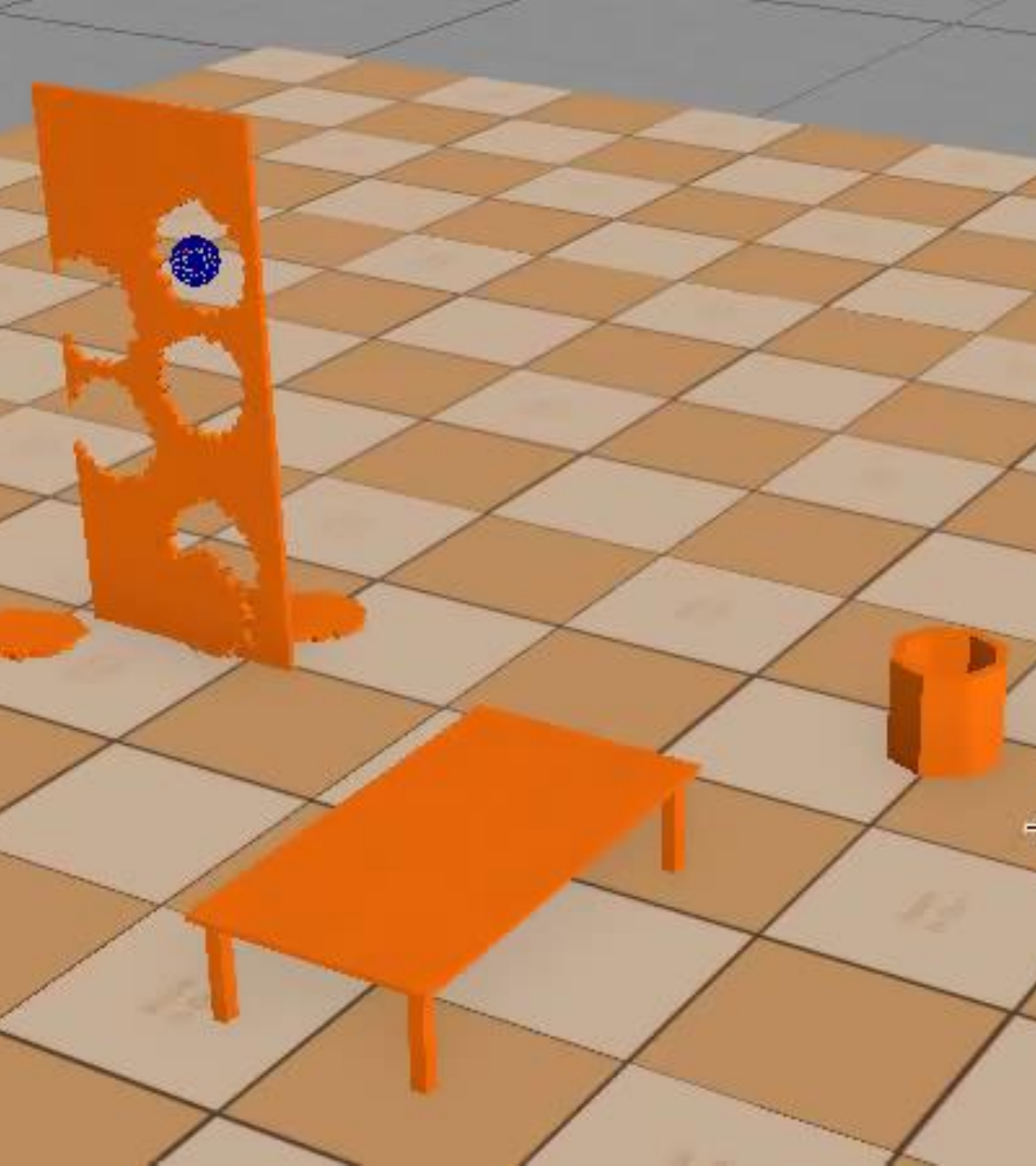
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RBTest\_Box01\_A\_RBfrag\_A8\_LOD0

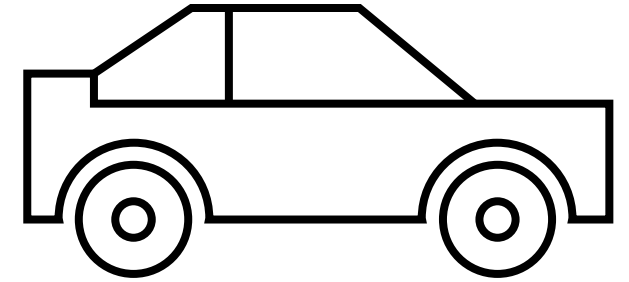
RBTest\_Box01\_A\_RBfrag\_A9\_LOD0







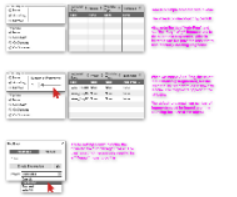





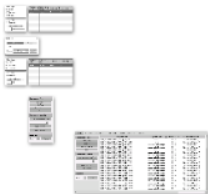

RBTest\_Box01\_A\_RBfrag\_A10\_LOD0

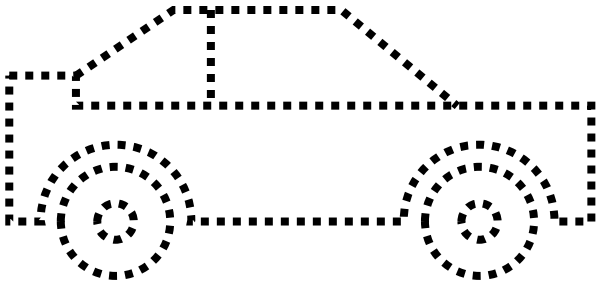
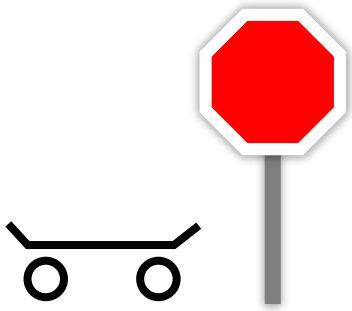








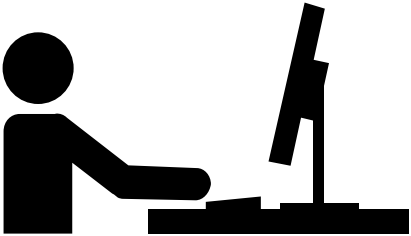
# Destruction Presets

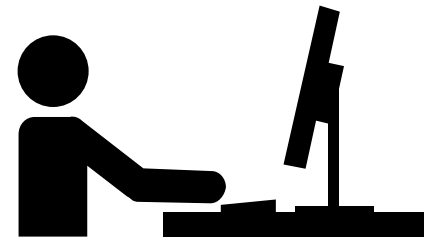
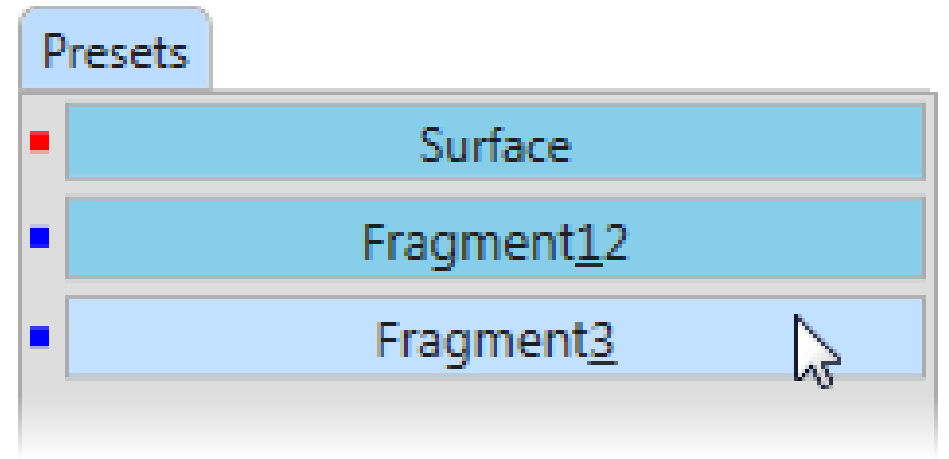
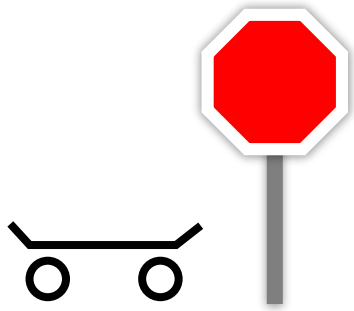


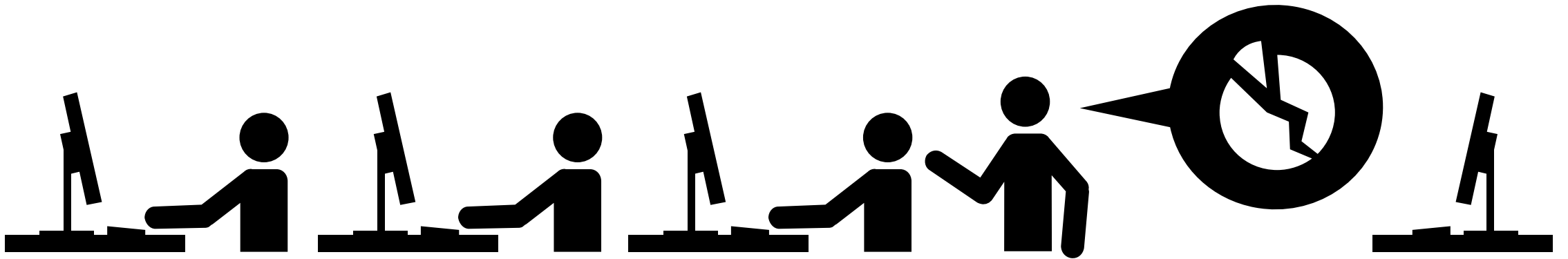
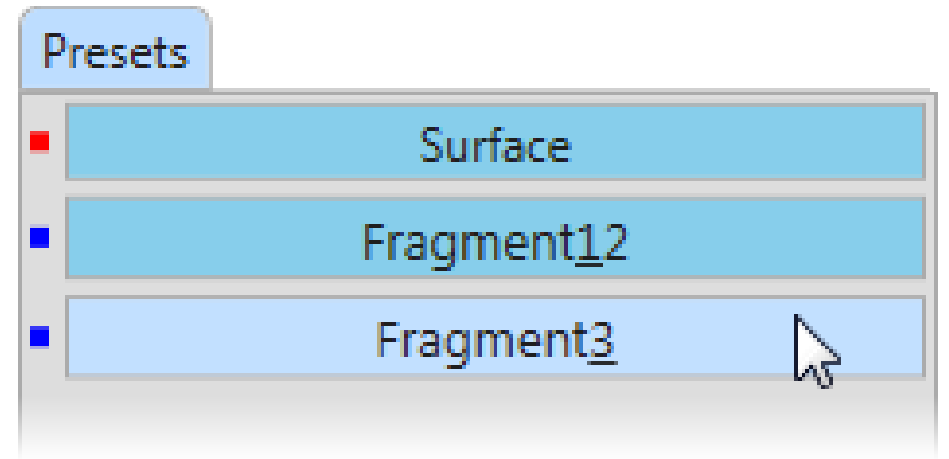
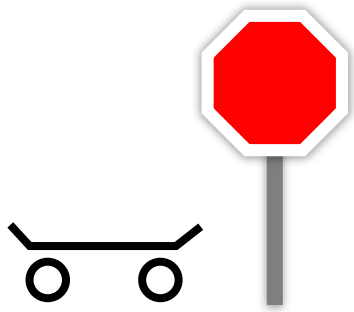
 <p>New Mockup 1</p>	 <p>New Mockup 2</p>	 <p>New Mockup 5</p>	 <p>New Mockup 6</p>	 <p>New Mockup 3</p>	 <p>New Mockup 7</p>	 <p>New Mockup 9</p>
 <p>New Mockup 9 copy</p>	 <p>New Mockup 8</p>	 <p>New Mockup 11</p>	 <p>New Mockup 10</p>	 <p>New Mockup 12</p>	 <p>New Mockup 13</p>	 <p>New Mockup 14</p>

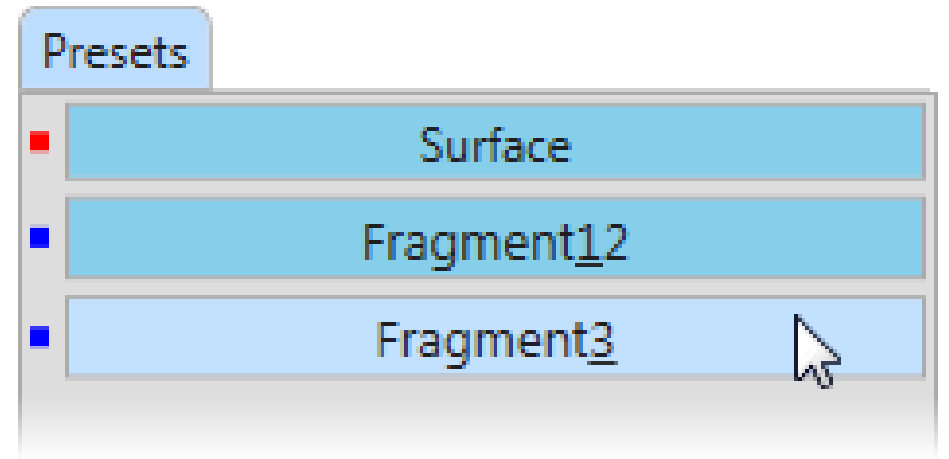
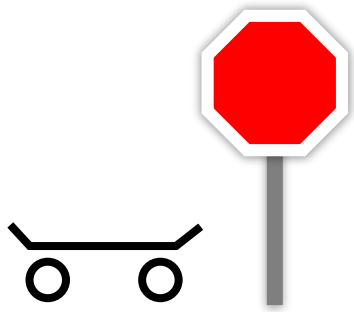


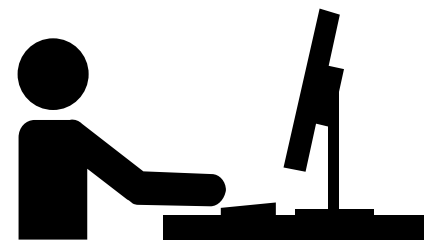
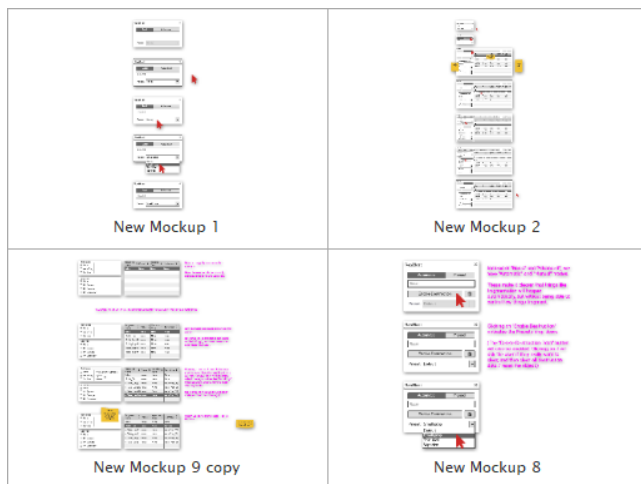
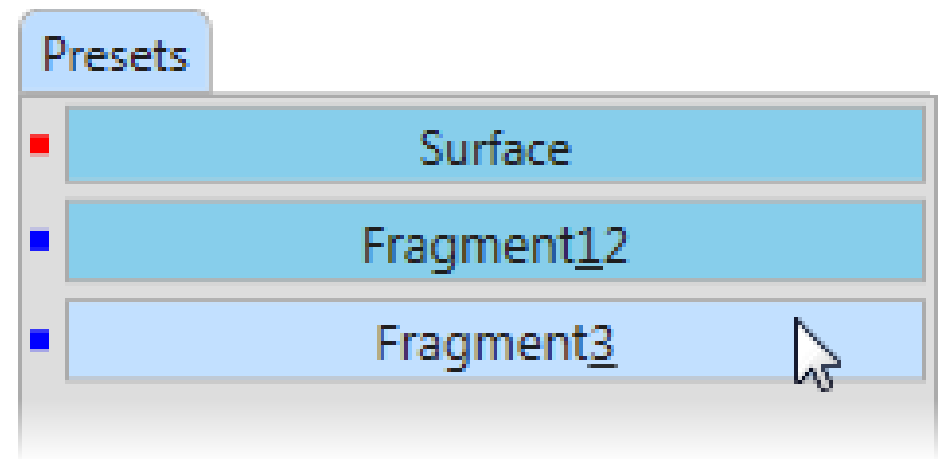
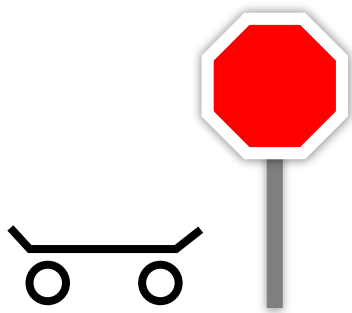
	
New Mockup 1	New Mockup 2
	
New Mockup 9 copy	New Mockup 8

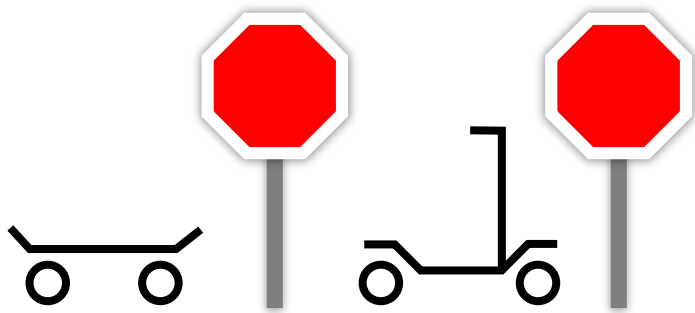












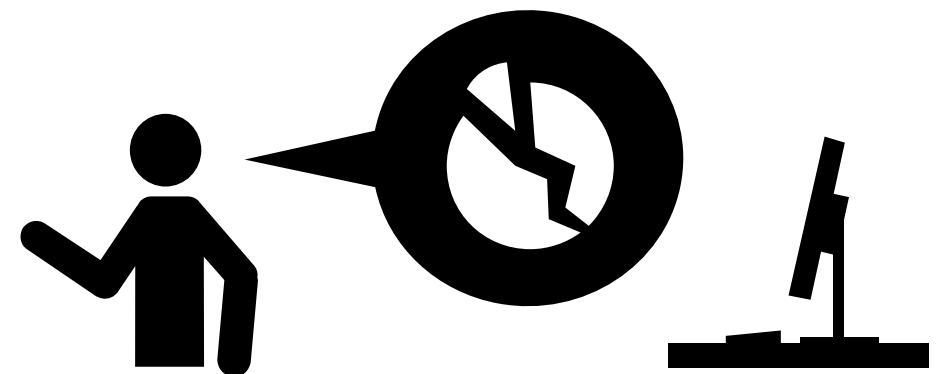
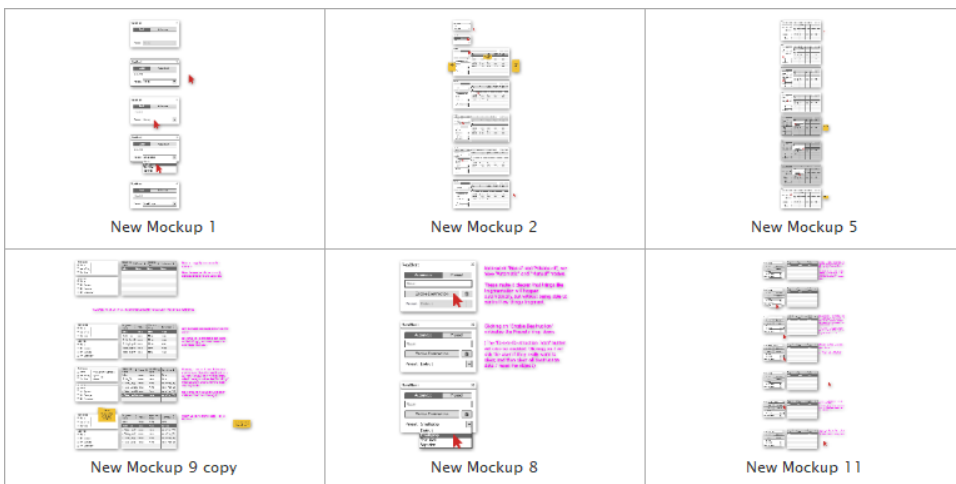
Preset Name:

**Fragment**

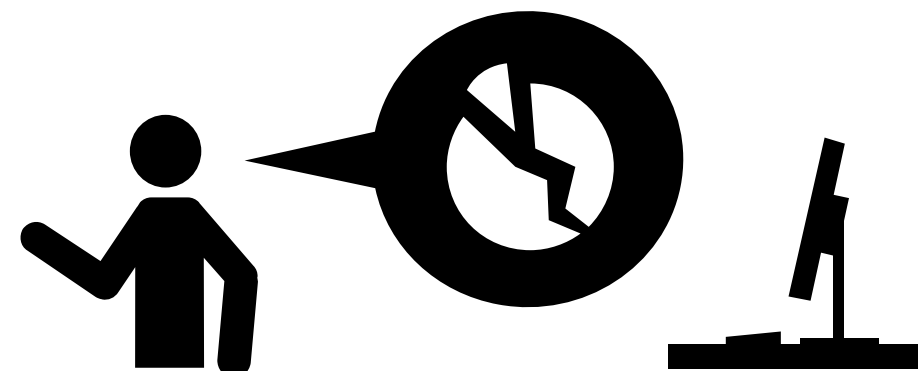
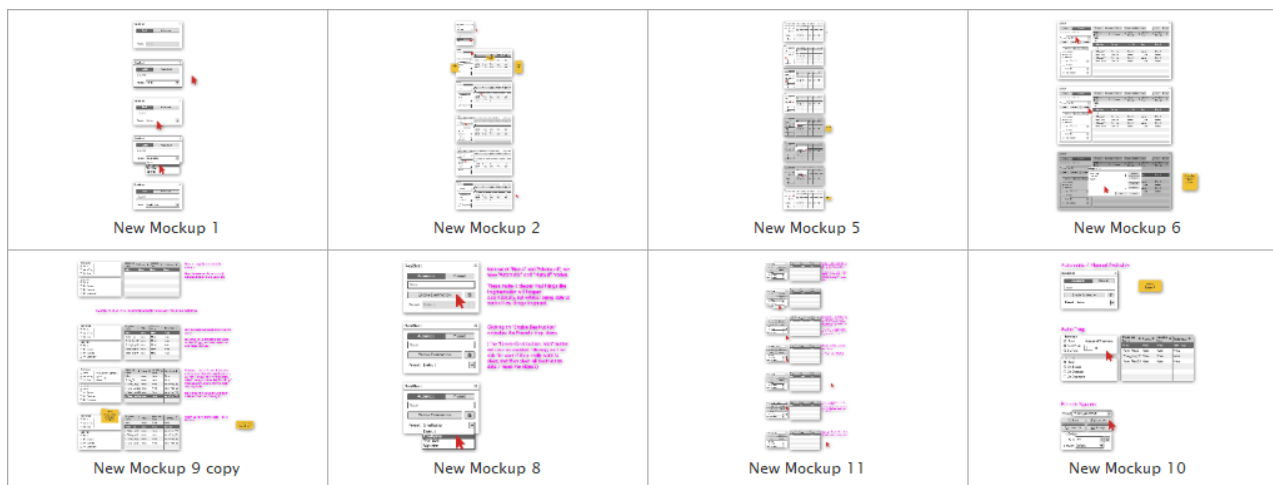
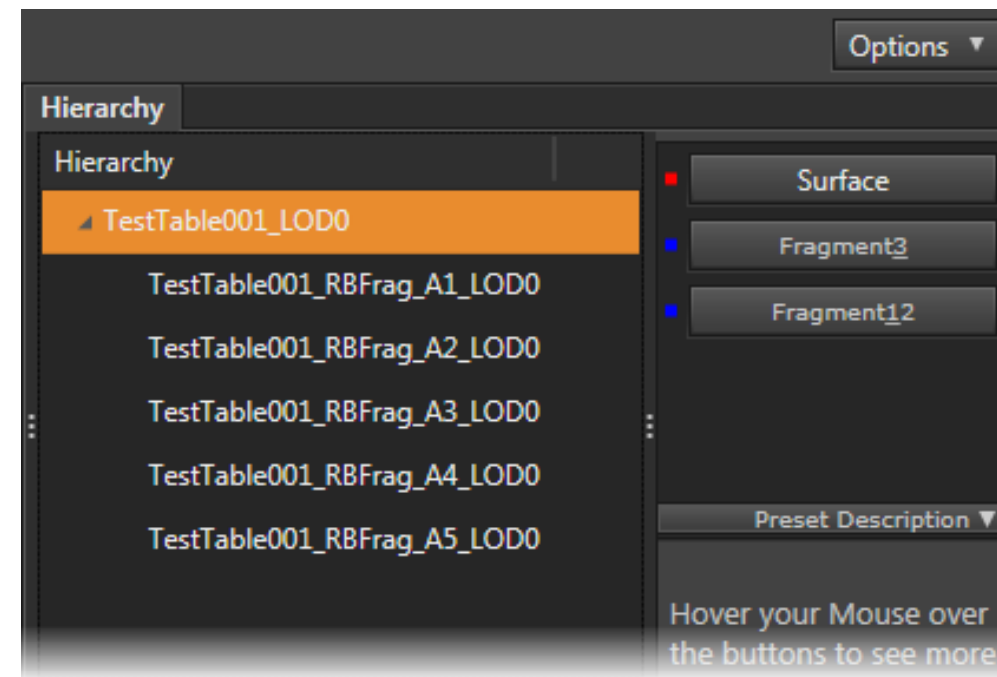
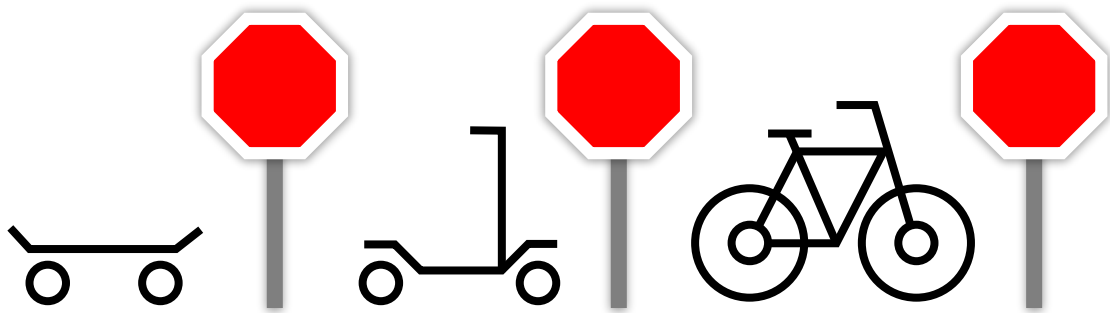
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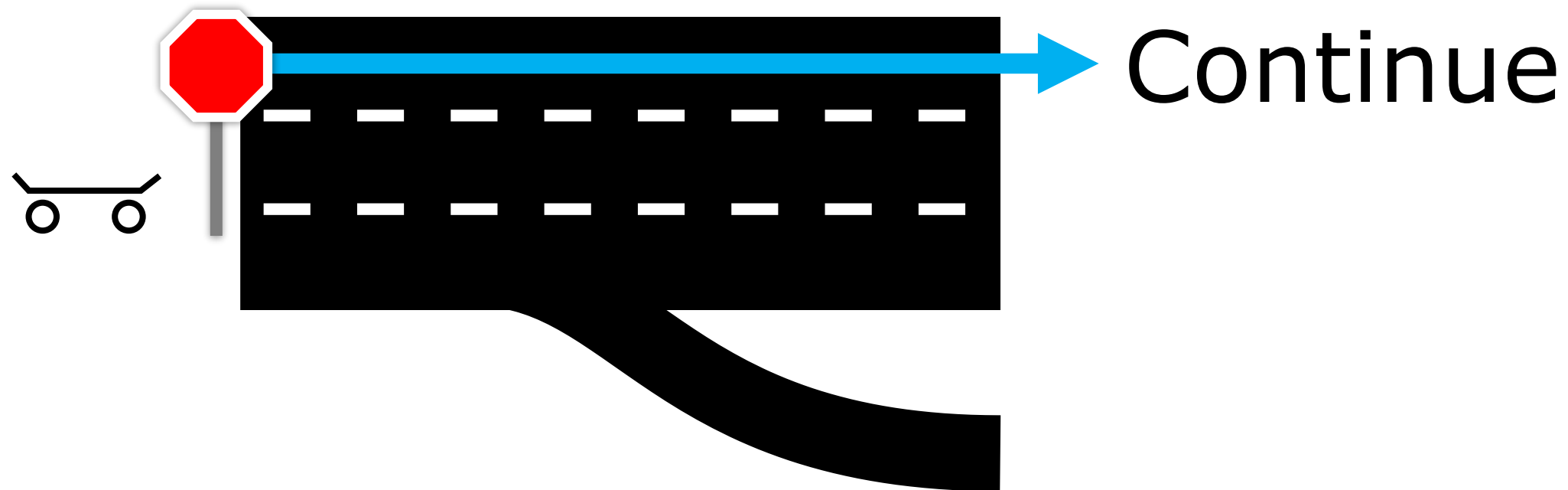
**Misc**

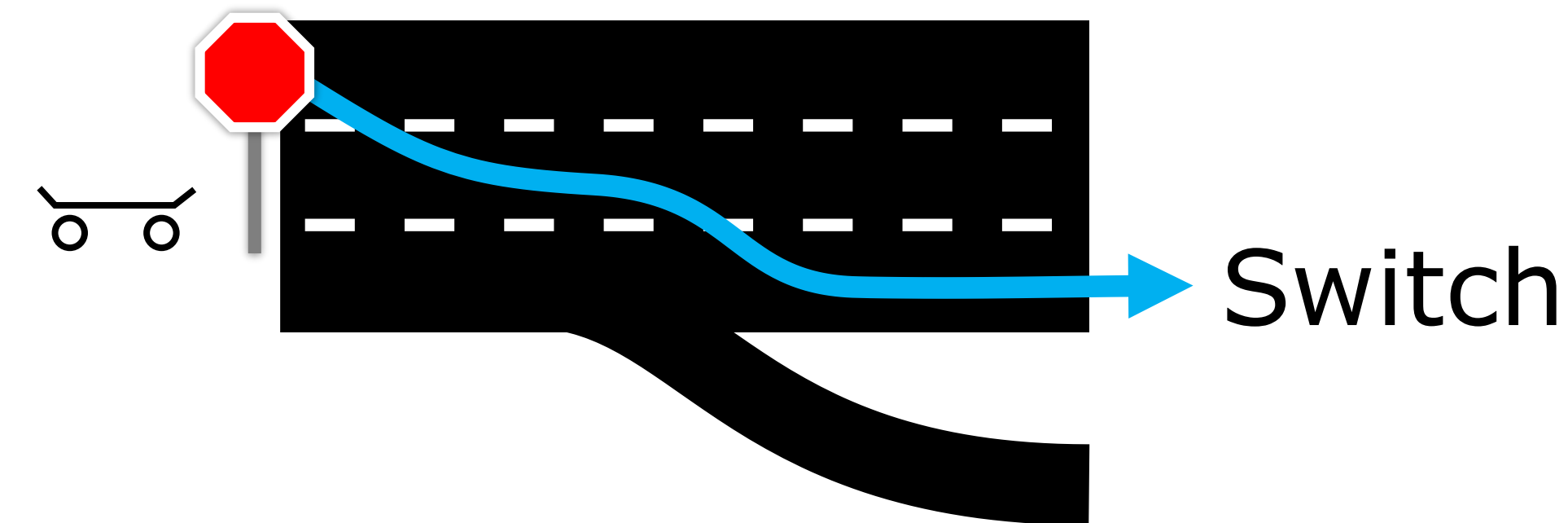
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<input type="checkbox"/> Detach As Child	<input checked="" type="checkbox"/>

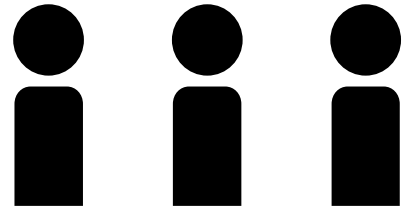
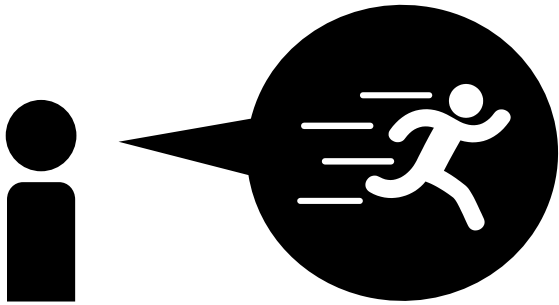
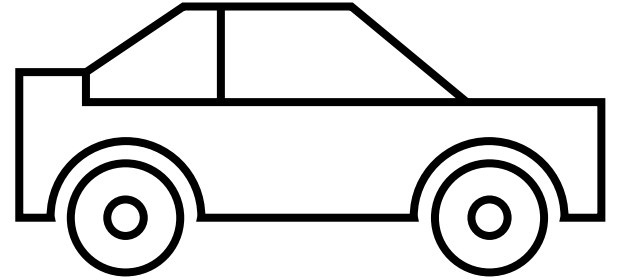
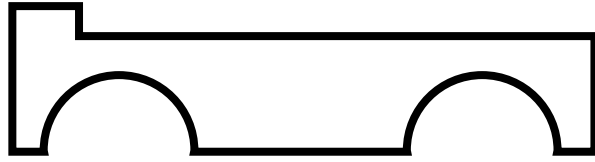
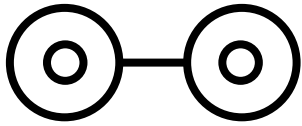
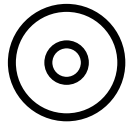


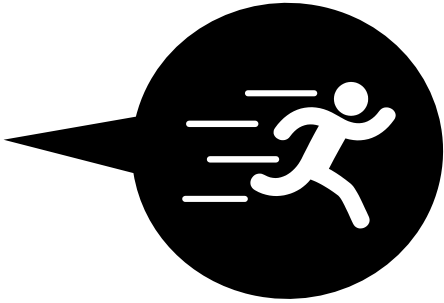
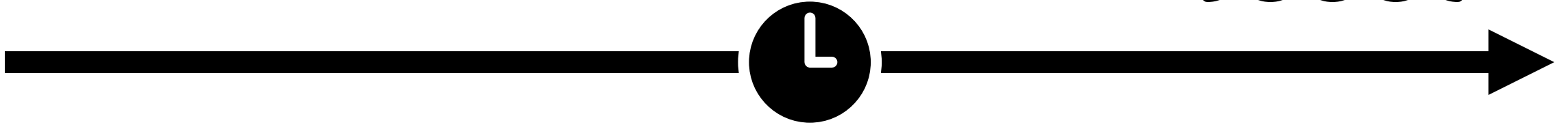
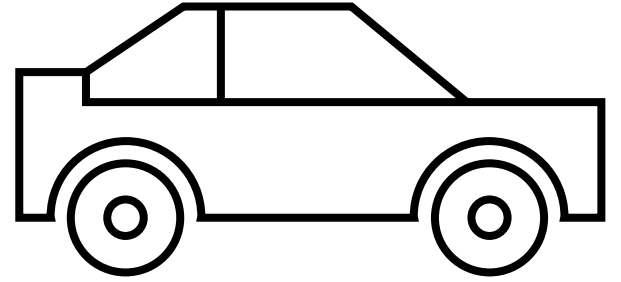
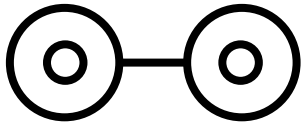
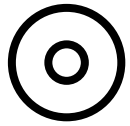


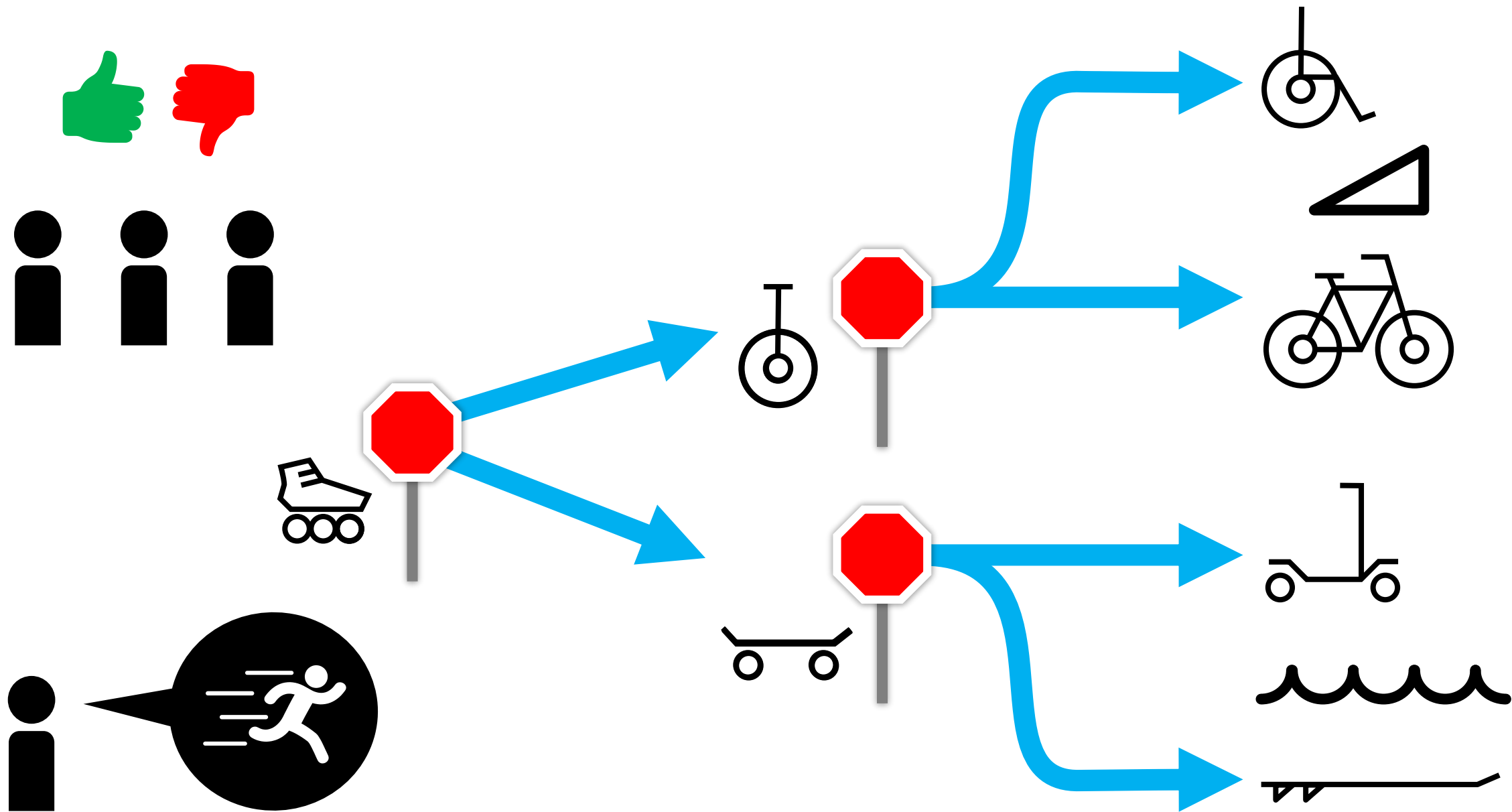


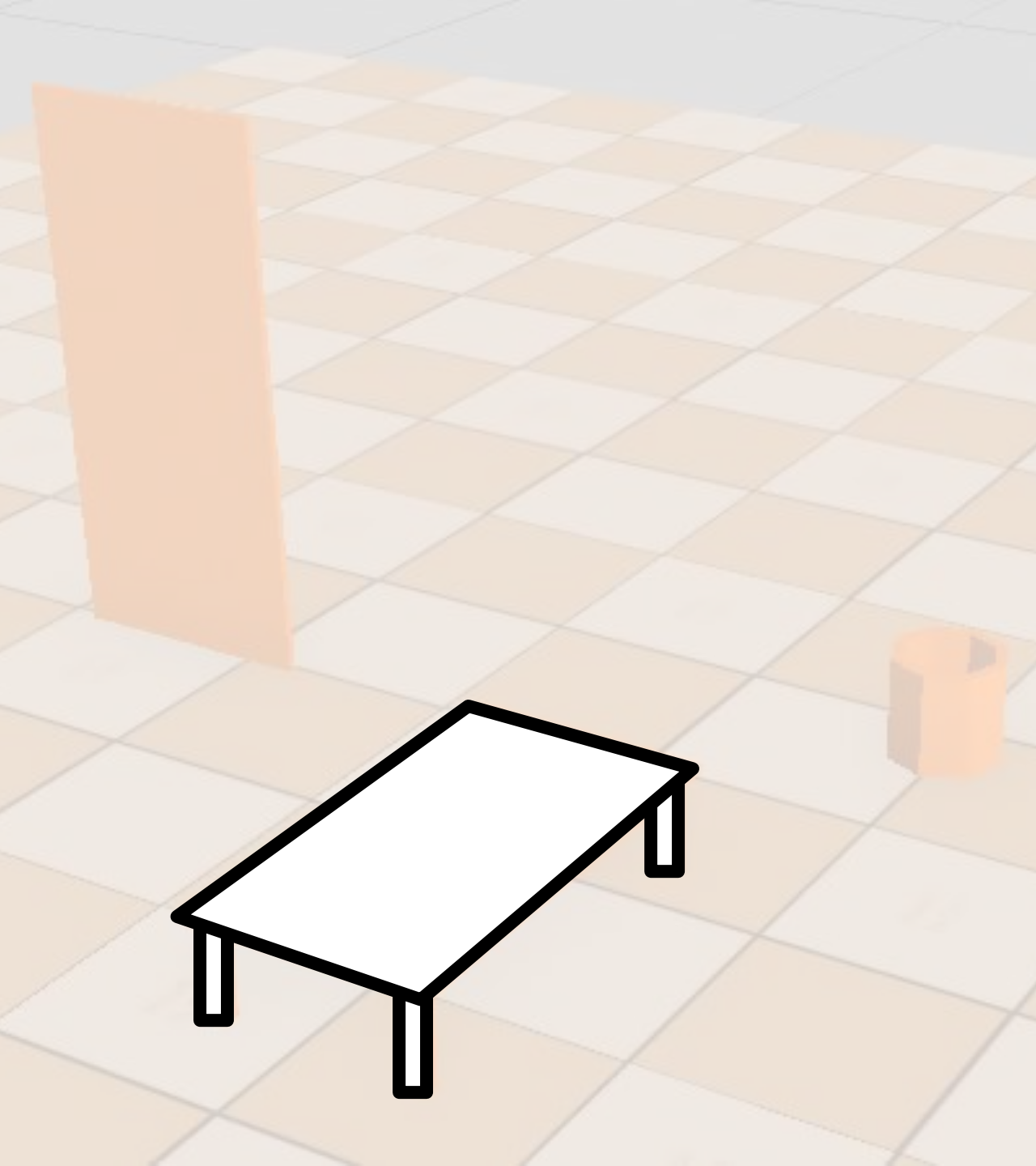




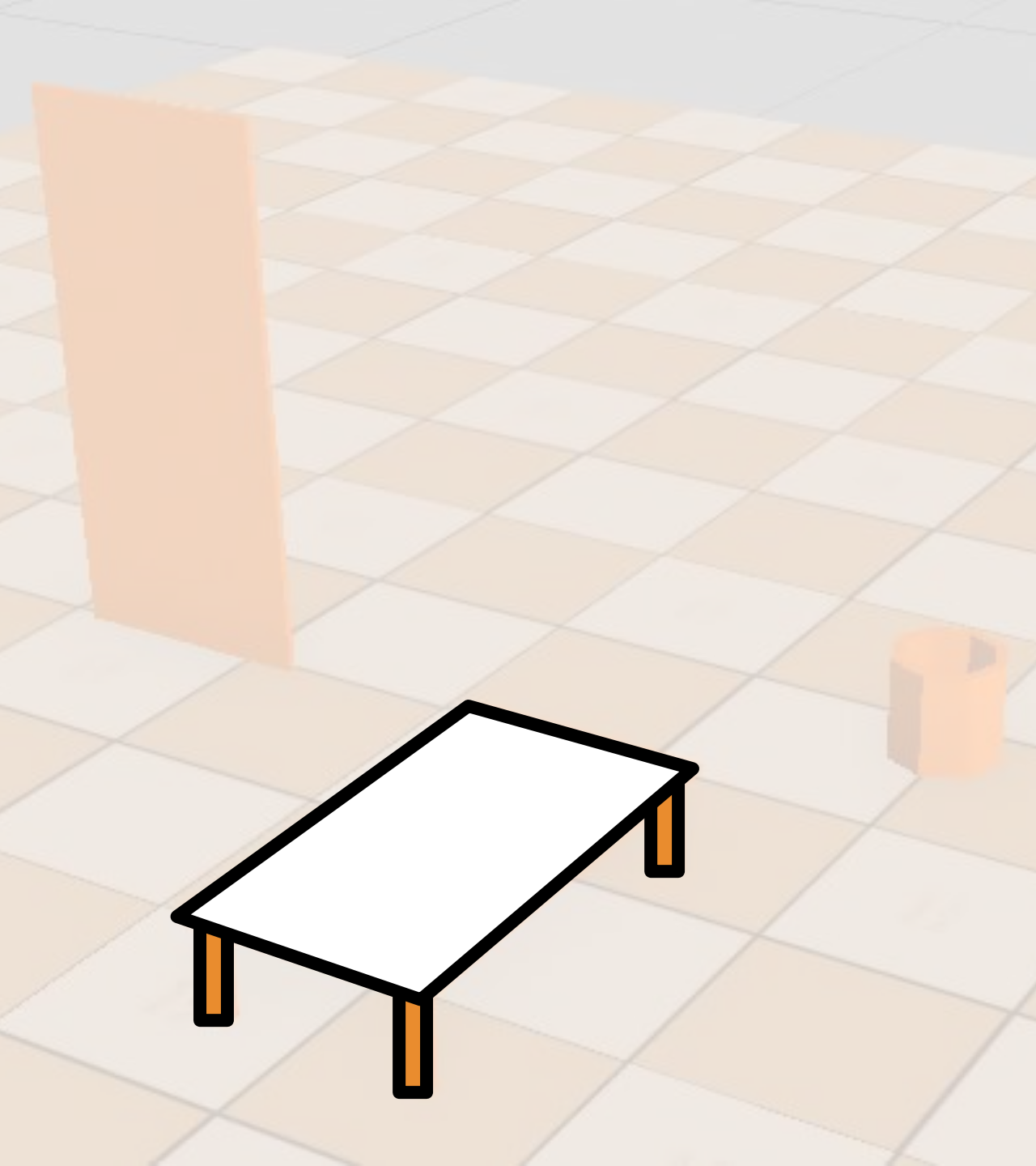






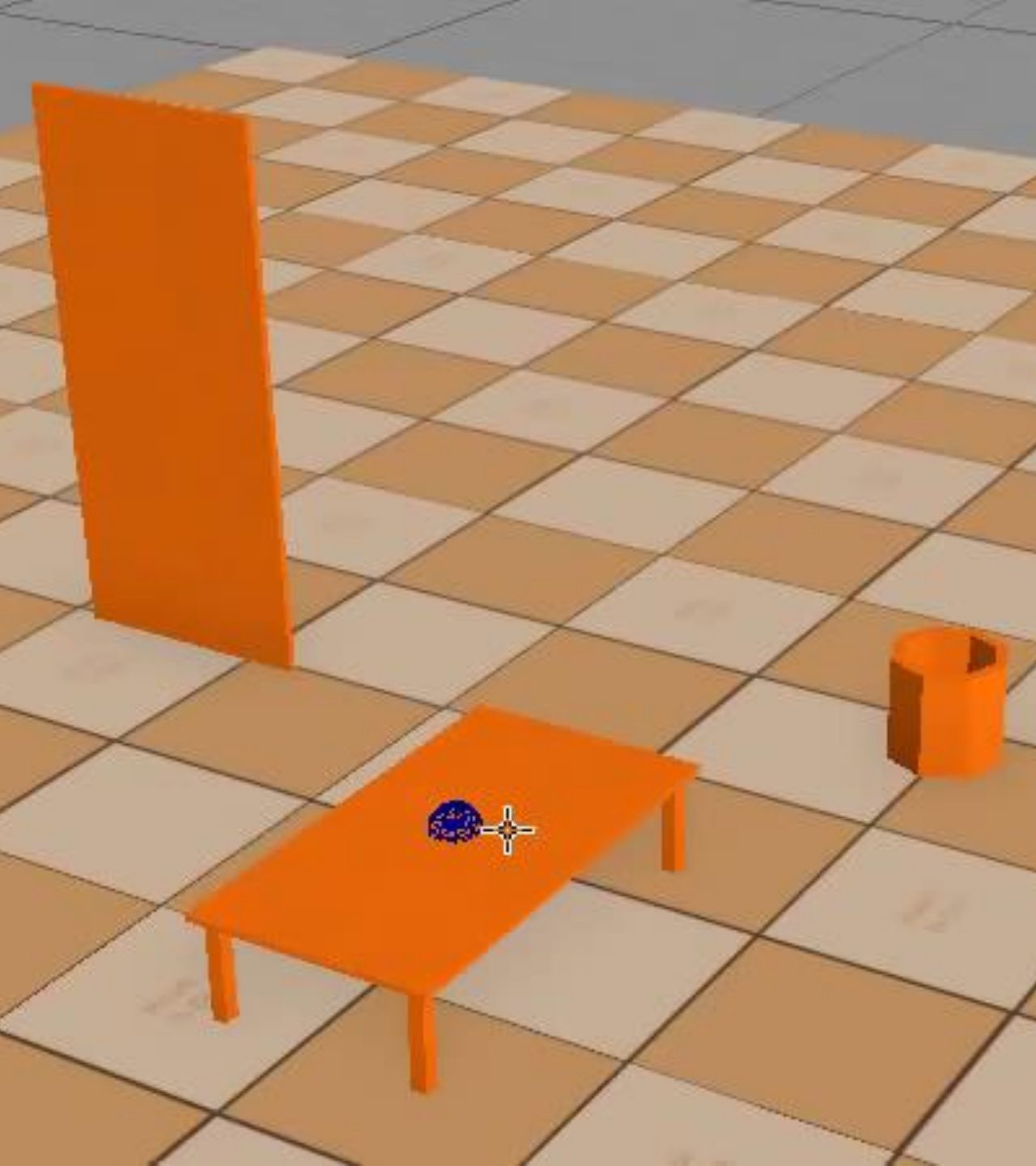


# Sub-Object Selection

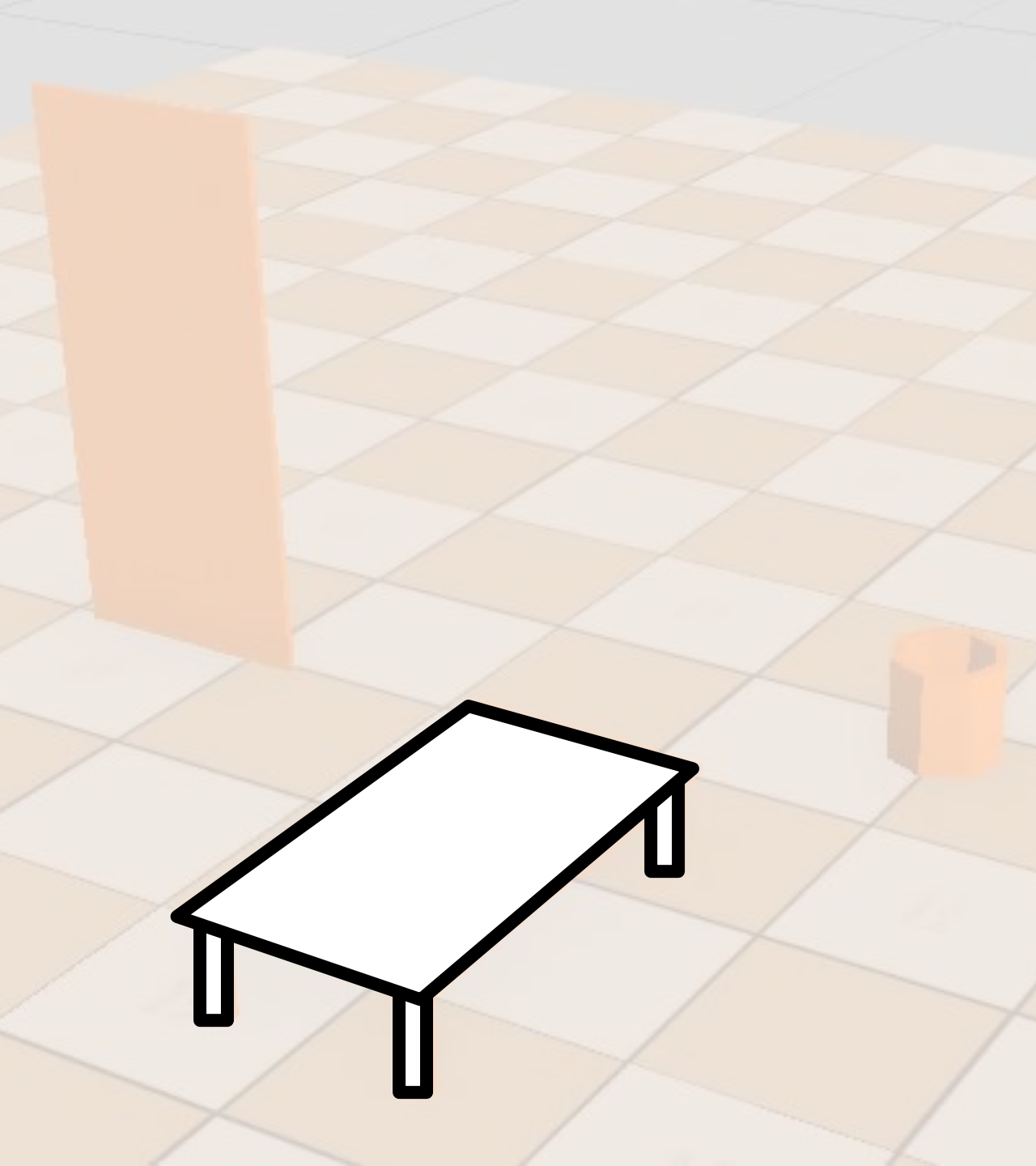


# Sub-Object Selection

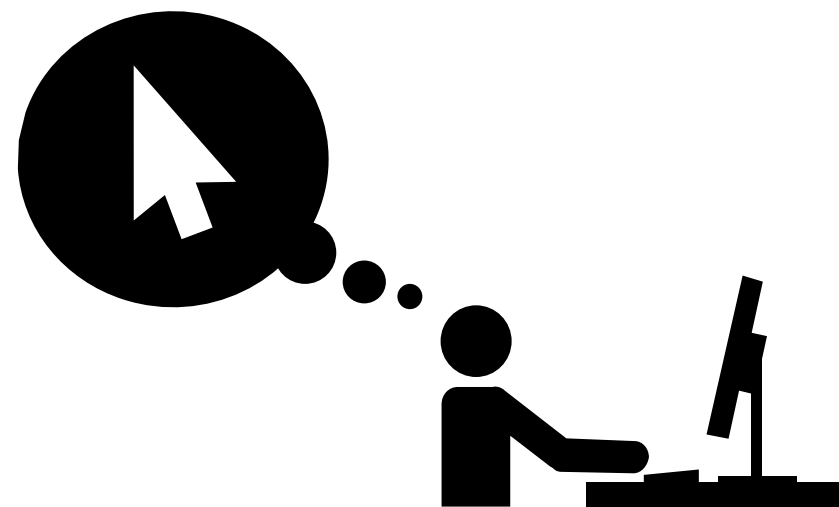
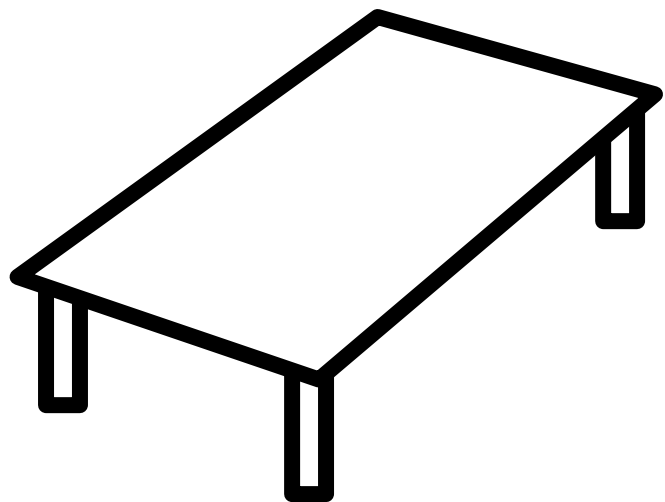
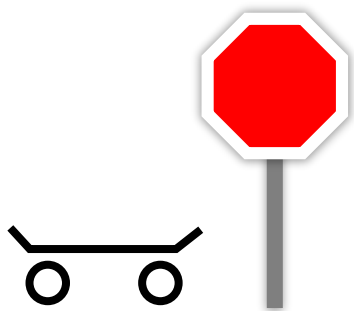


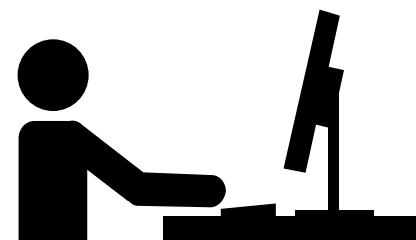
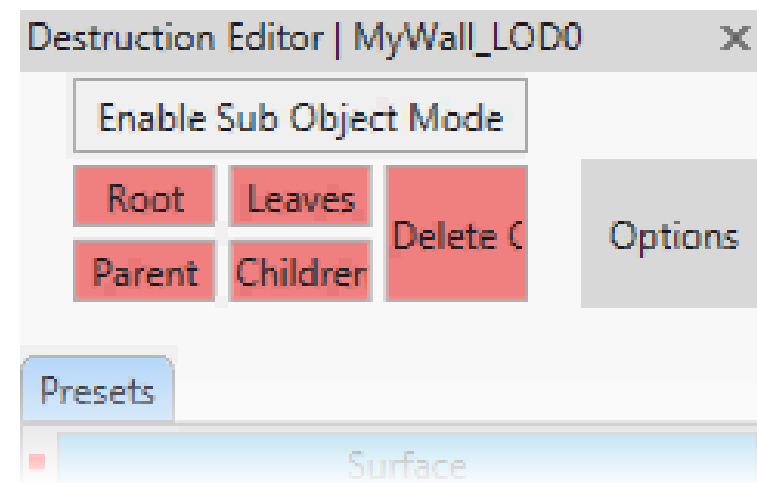
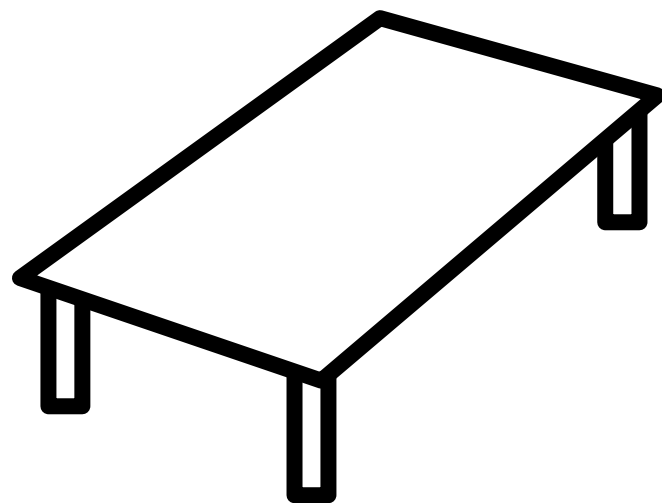
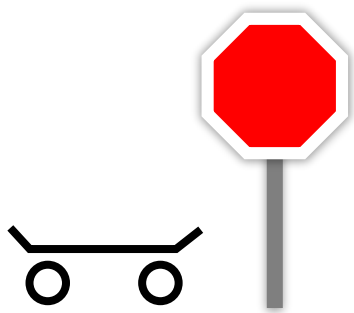


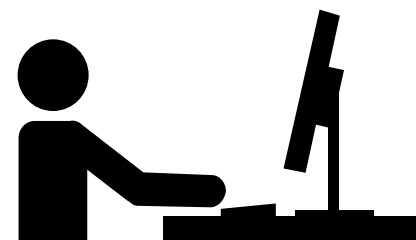
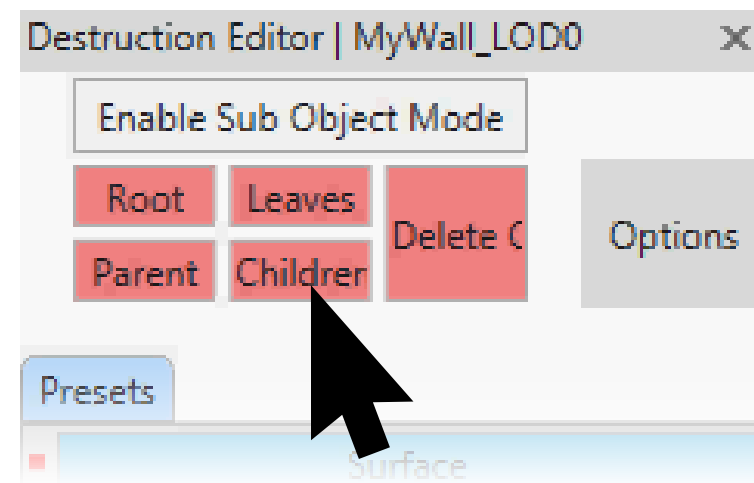
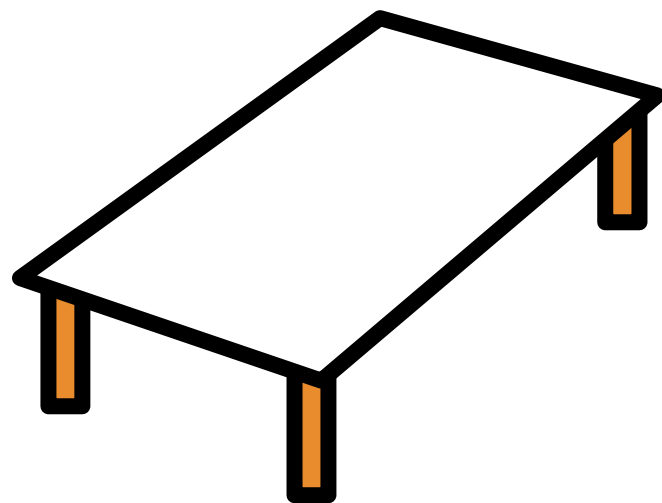
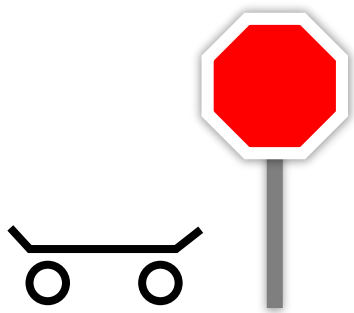
# Sub-Object Selection

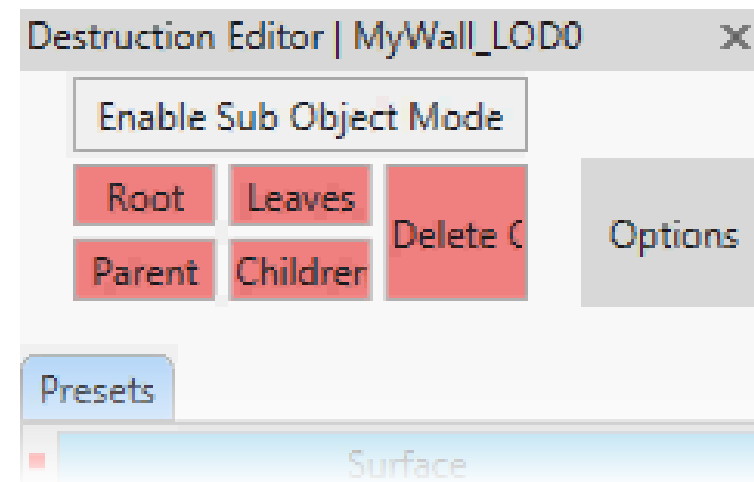
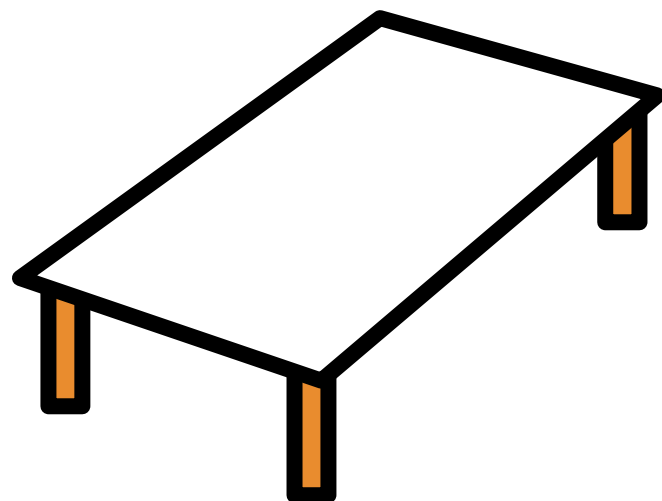
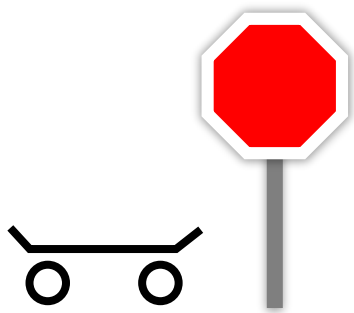


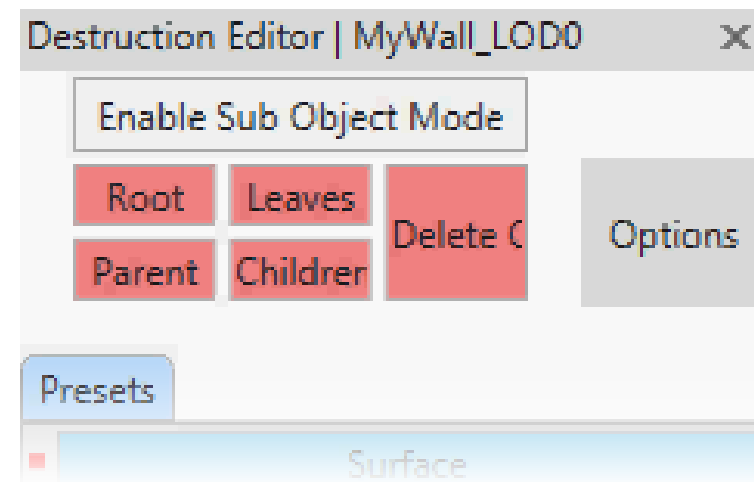
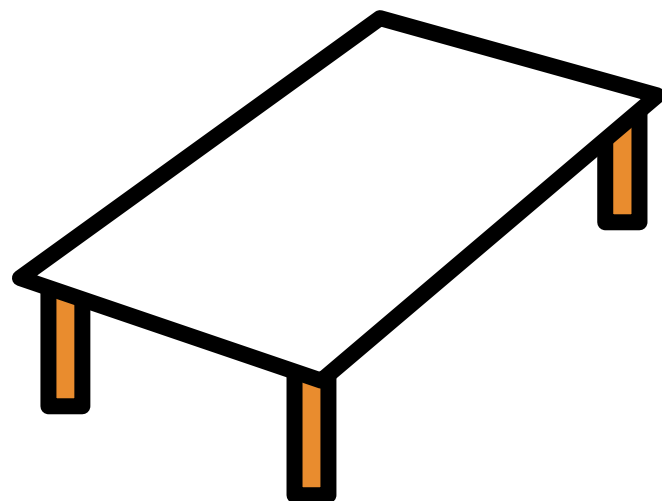
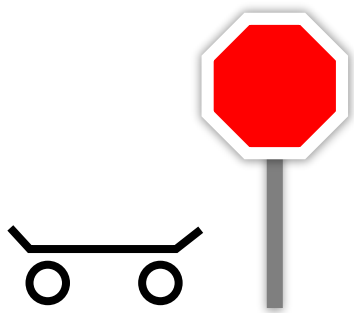
# Sub-Object Selection

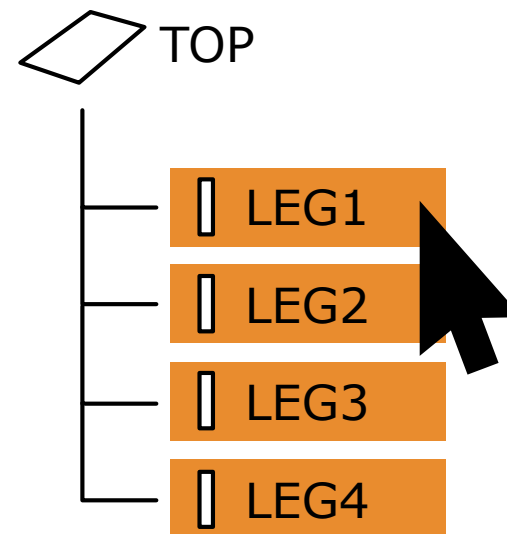
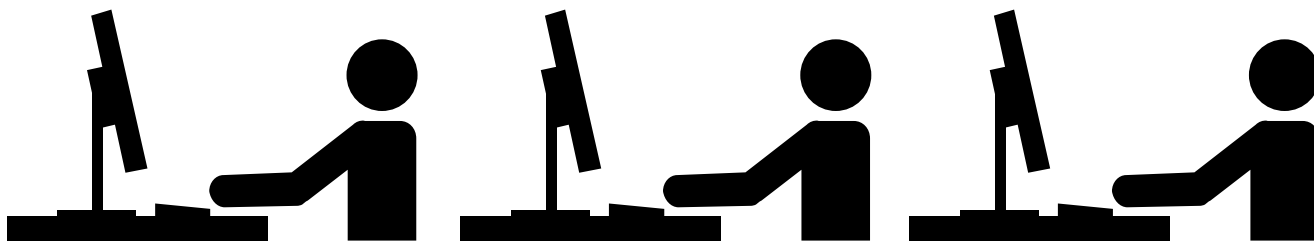
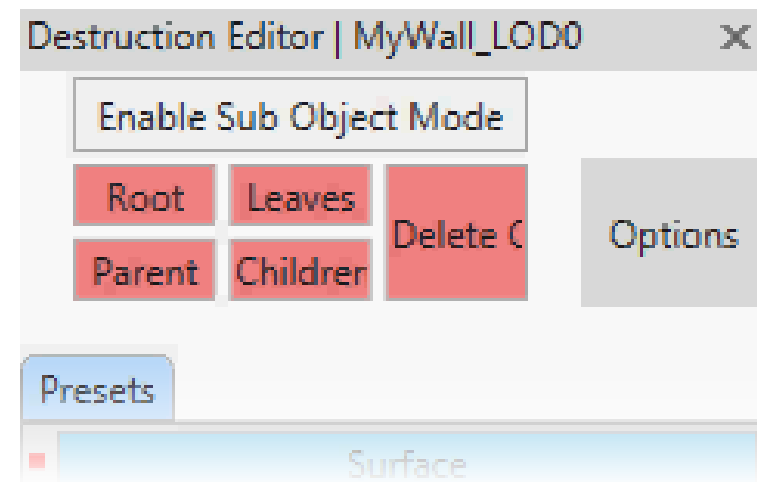
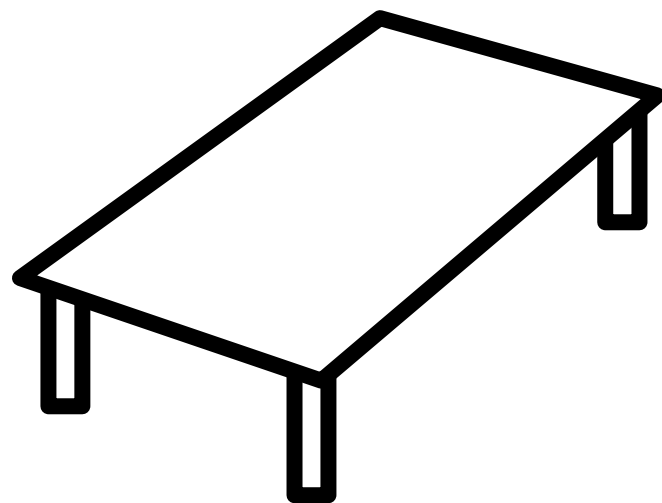
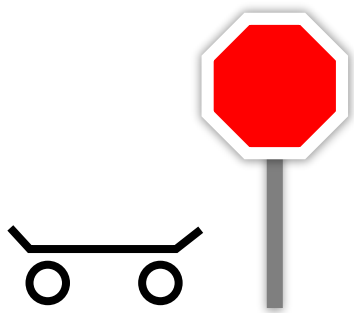




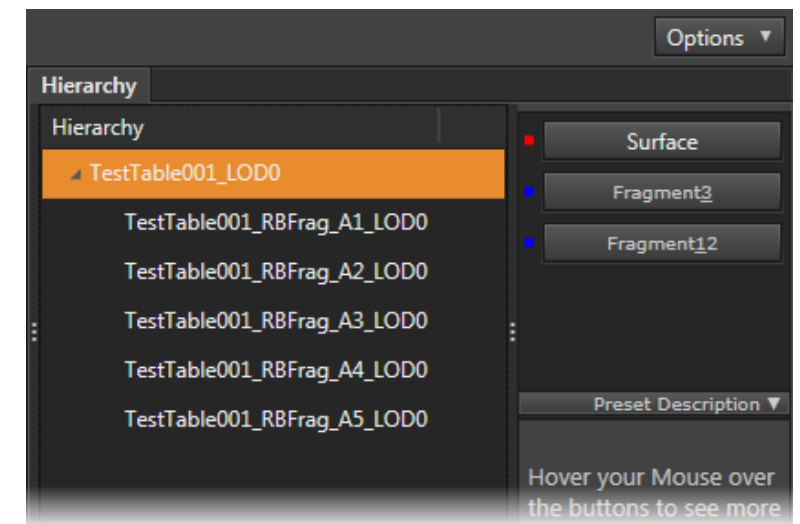
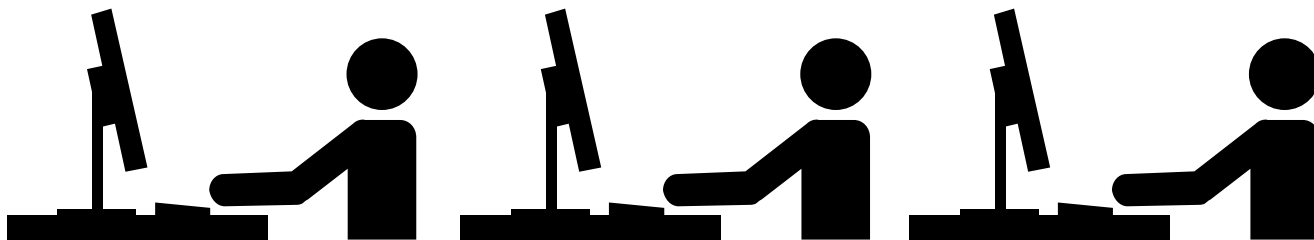
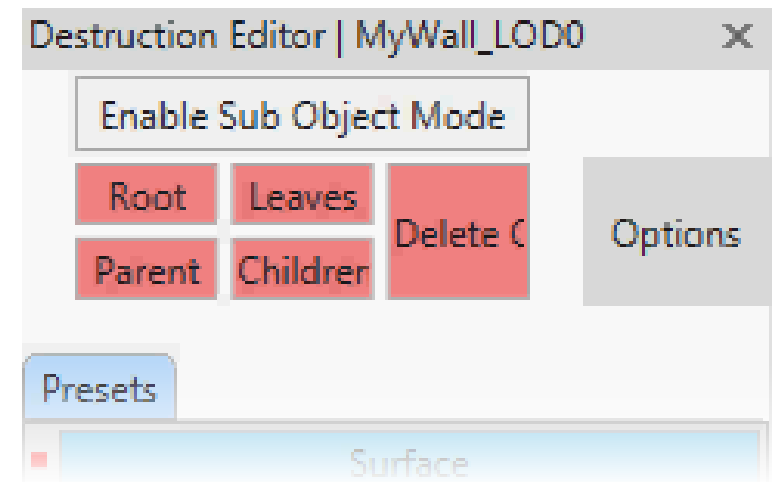
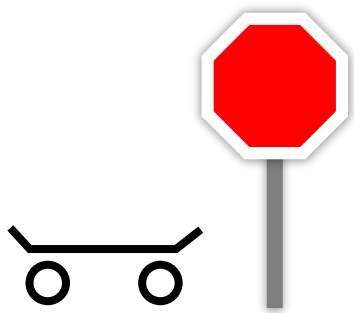


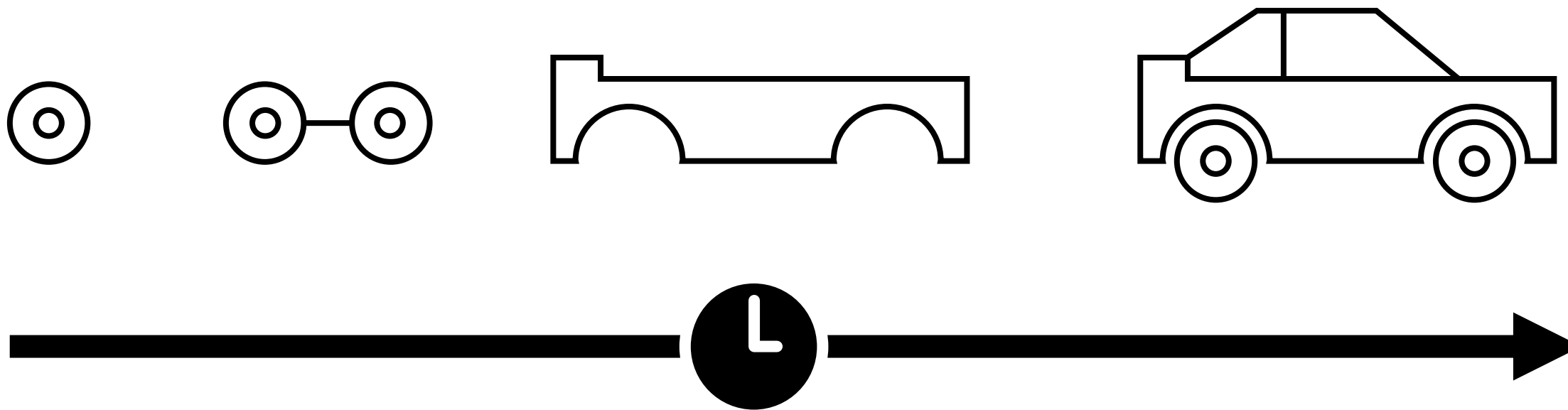















Destruction Editor | MyWall\_LOD0


  
Import from Engine


  
Export to Engine


☐ Enable Fragment Visibility


☐ Enable Collision Visibility


 Parent

 Children

 Clear Fragments


 Root

 Leaves

  
Enable Destruction

Fragments:

Technique:

 Fragment Selection

**Hierarchy**

**Connections**

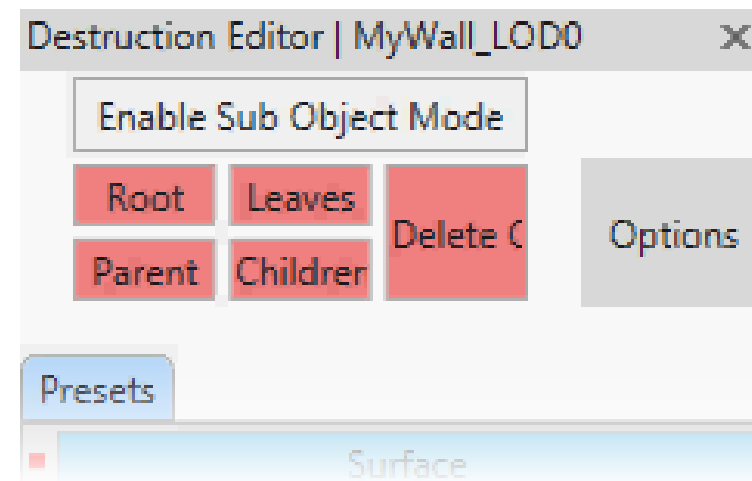
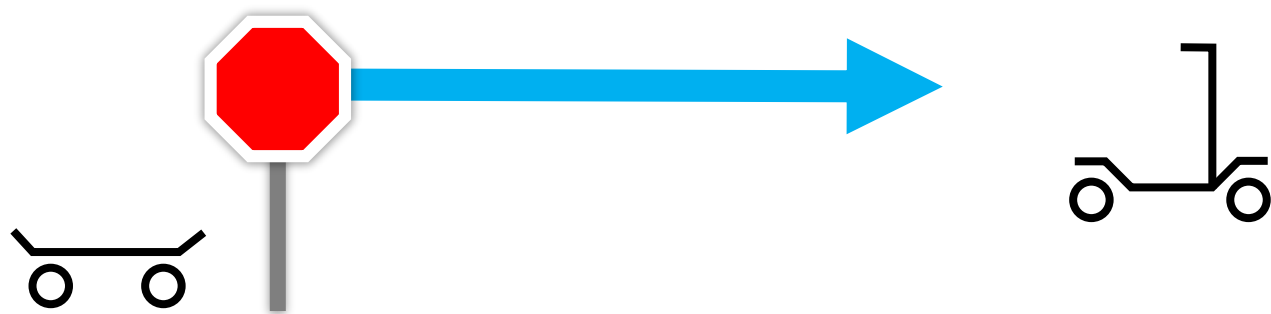
**Groups - Reactions**

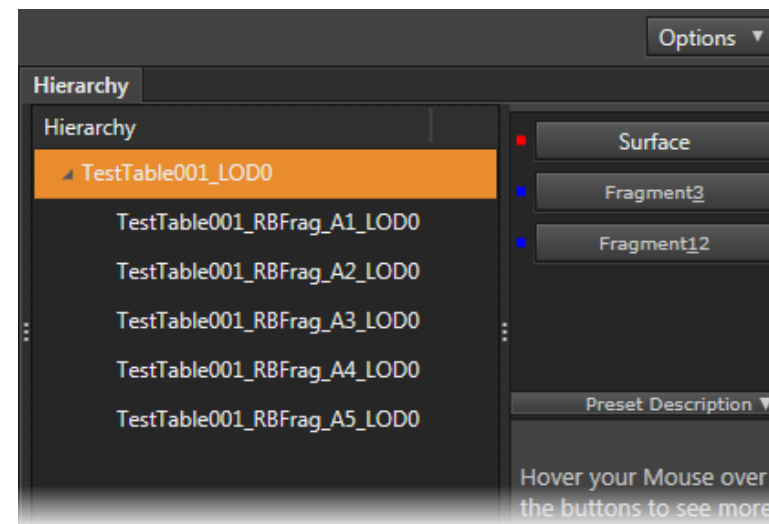
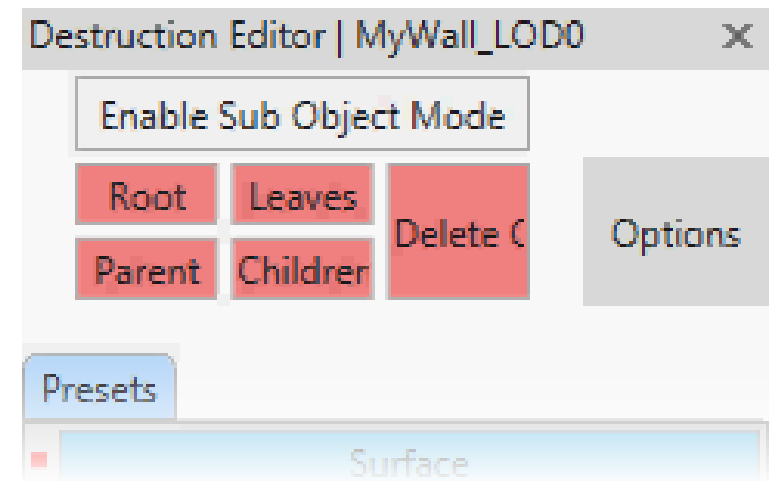
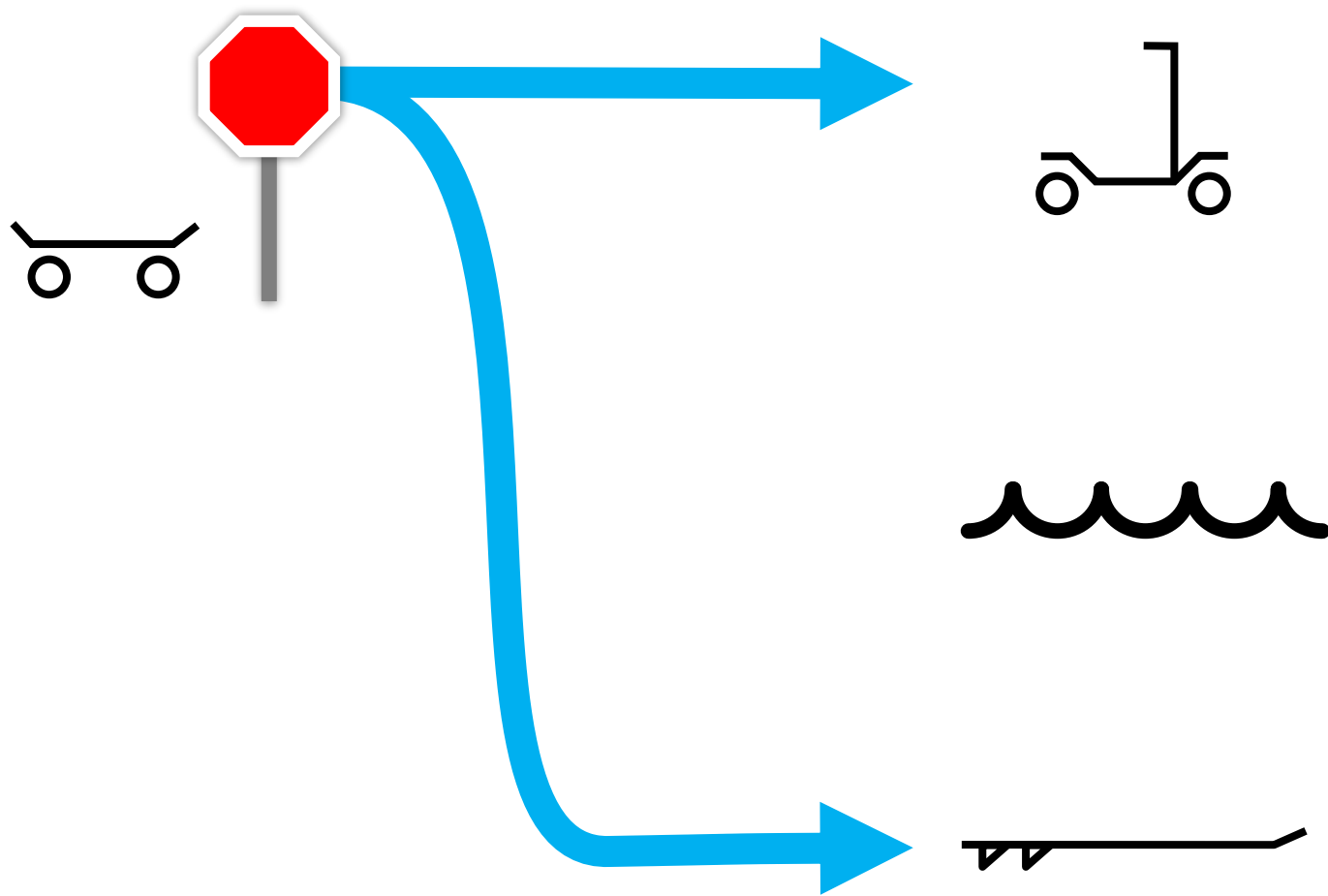
Connection Type

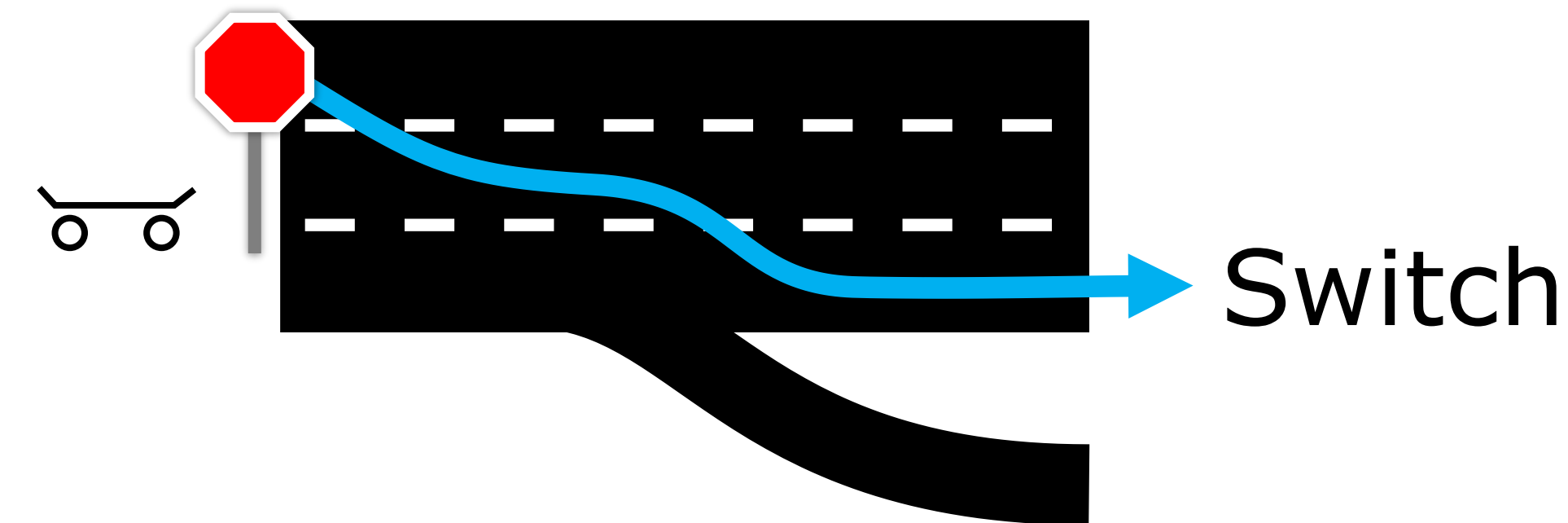
Update Connections

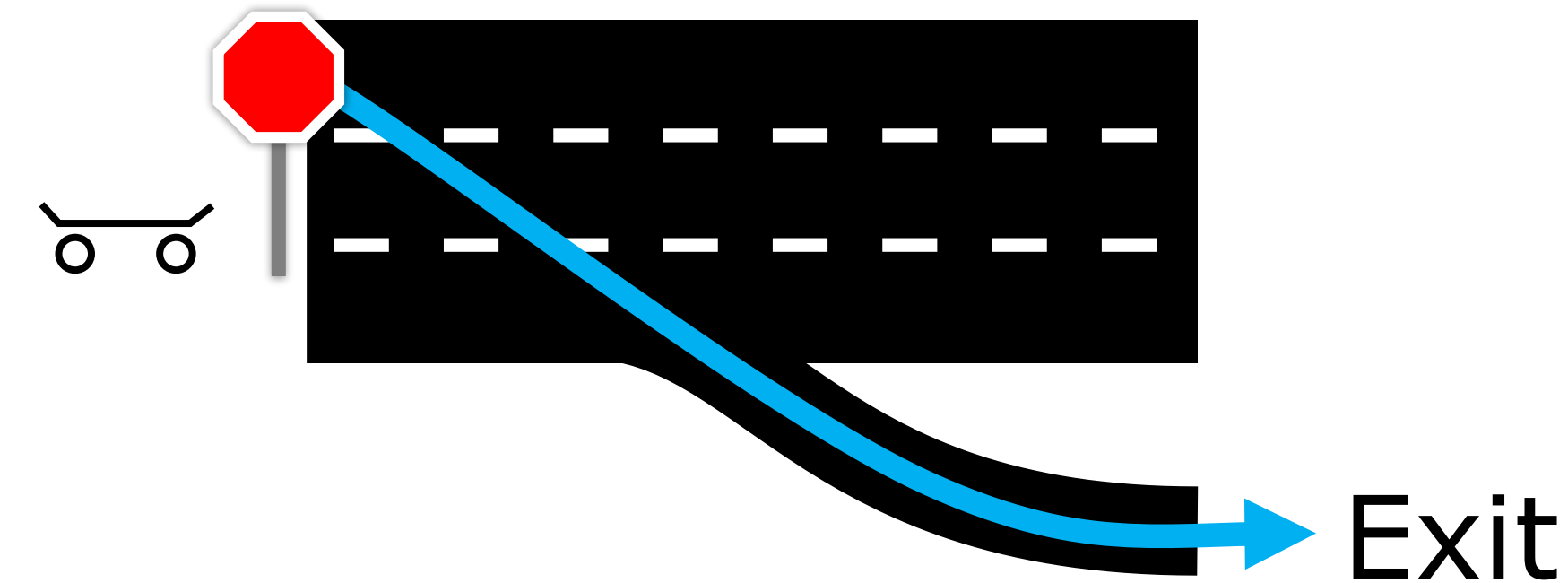
Apply

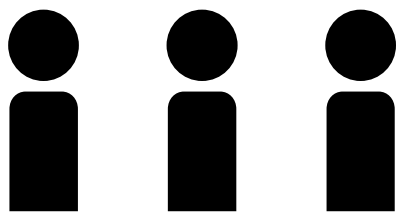
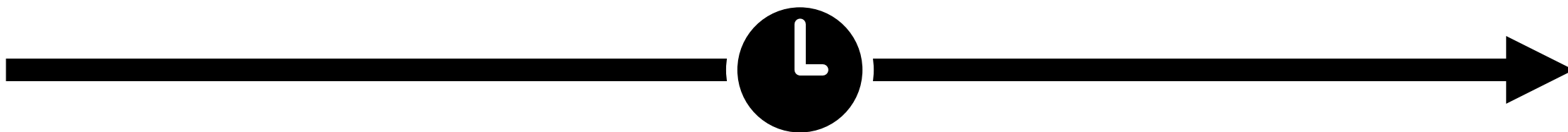
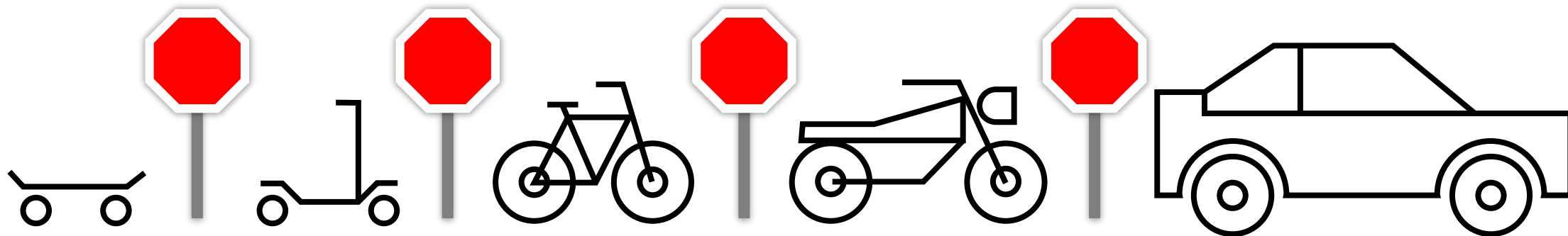
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Connection_A1_B6	No Type	-1
Connection_A1_A6	No Type	-1
Connection_A1_A8	No Type	-1

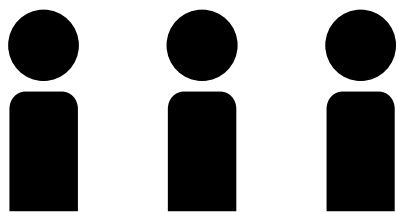
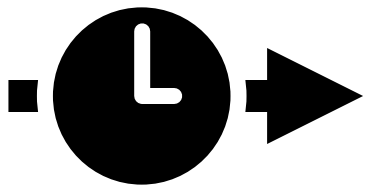
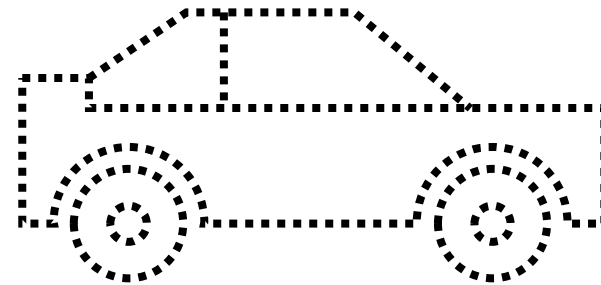
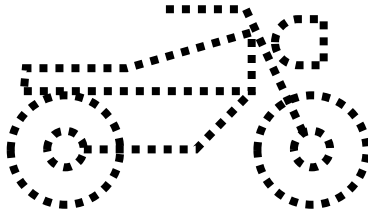
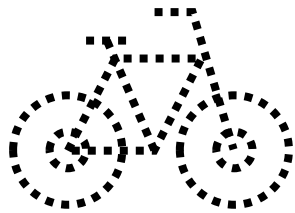
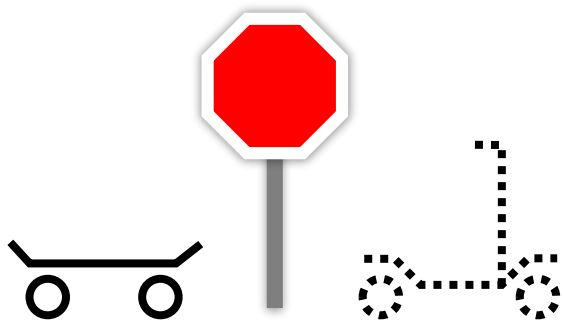




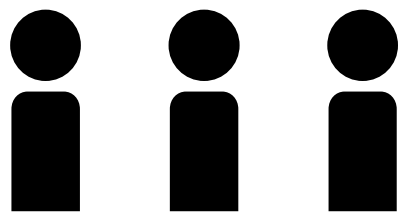
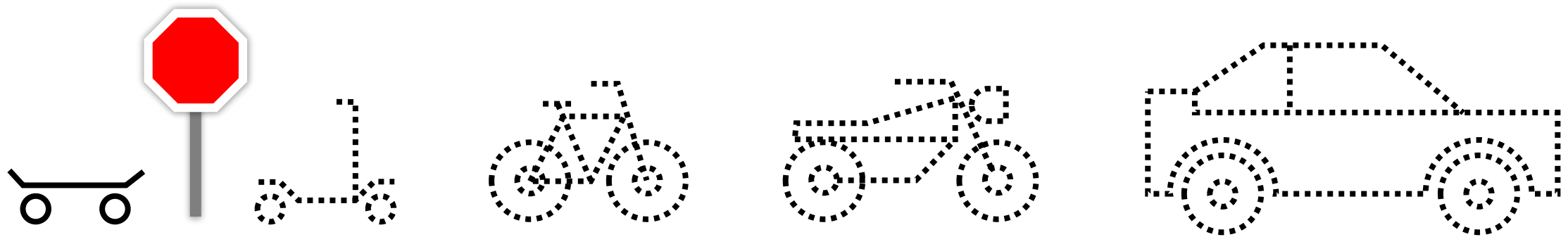


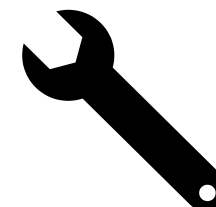
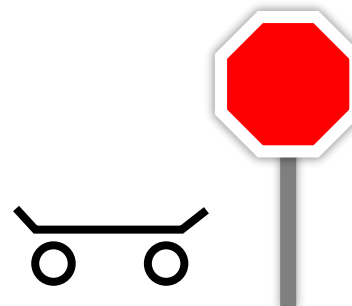
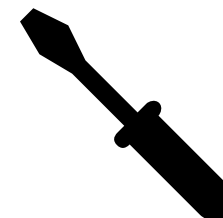
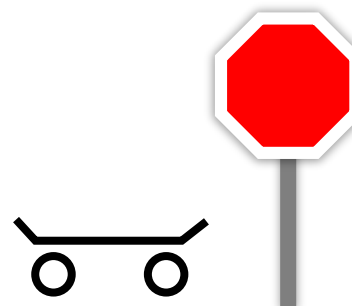
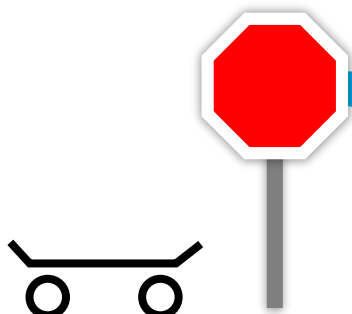














# FARCRY5





AttachArchetype

Add

Search

★ Favorites

Ctrl+1 AttachEvent

Ctrl+2 DetachEvent

Types

AddPhysImpulseOnTargetEvent

AI\_AnimShoot

AI\_CharmAnimal

AI\_MeleeAttackEvent

AI\_Spawn

AI\_TryArrowSwap

AnimalBleedFXEvent

AnimalCombatIntimidationAttackWindowEvent

AnimBlendToRagdoll

AnimSyncPointMarkupEvent

AttachArchetype

AttachEvent

AttachMelee

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100

150

Markup Resizable Event

Footstep


Footstep

Footstep

PlaySound

PlaySound

Markup Event



Base.NPC.Unarmed

Animation

Duration

5.933333

Frames

178





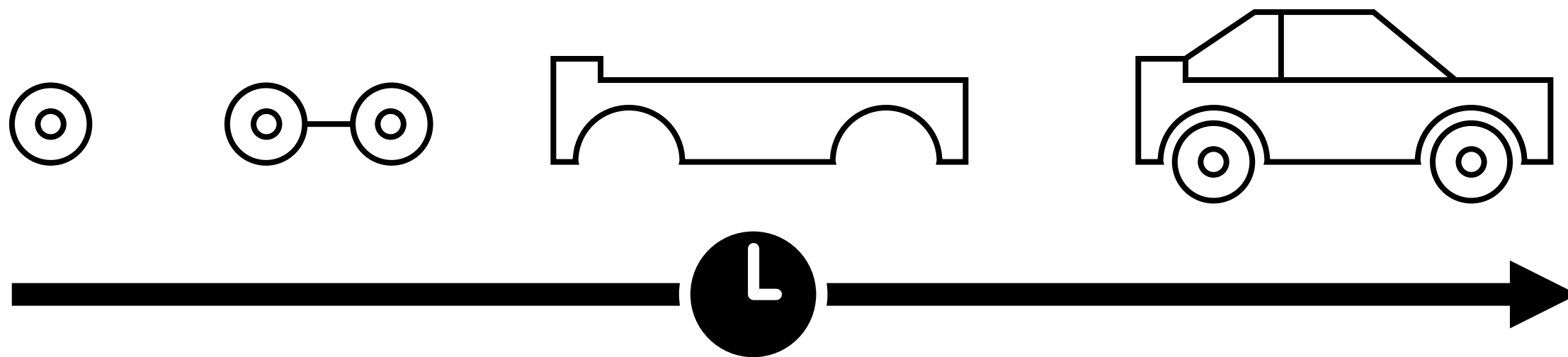
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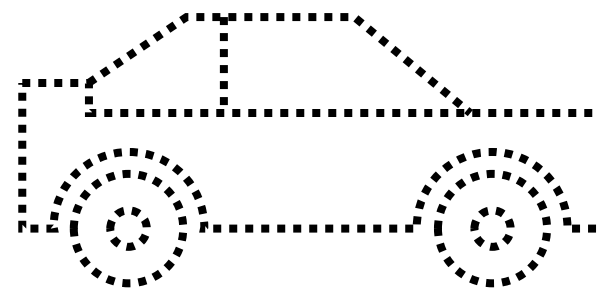


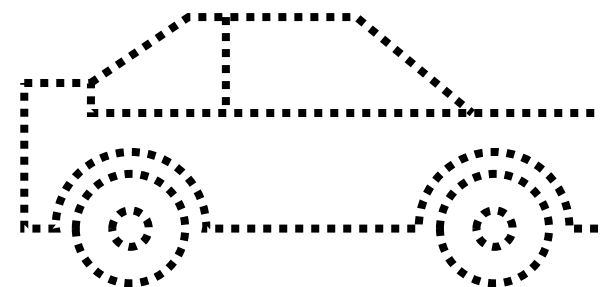
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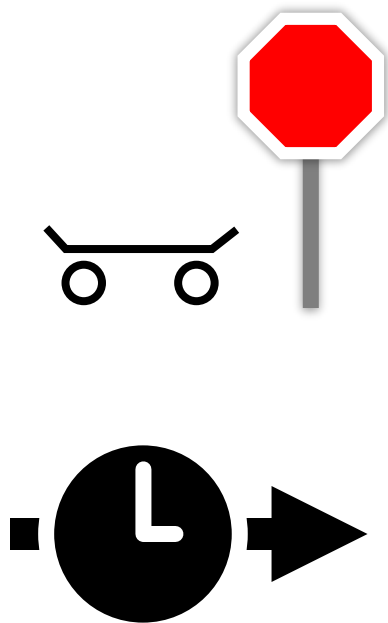




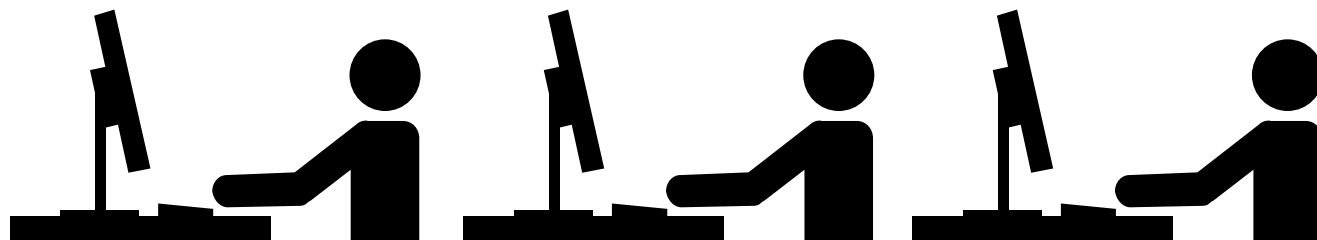
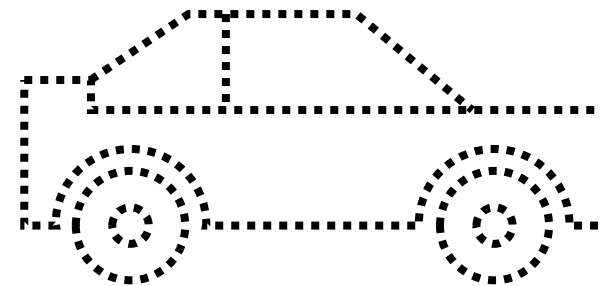
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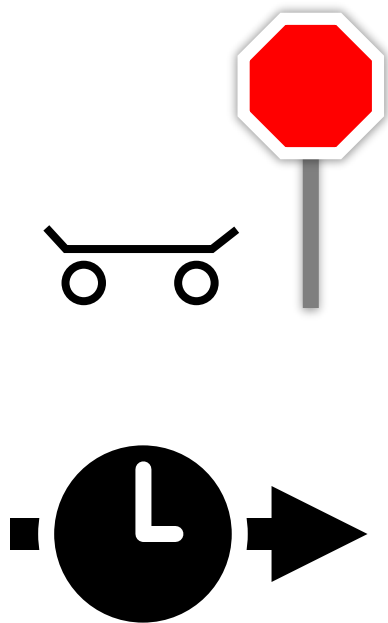




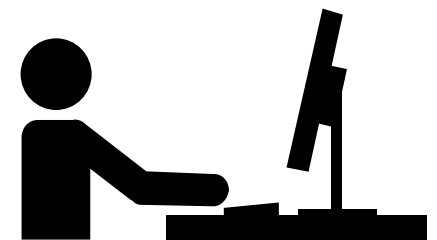
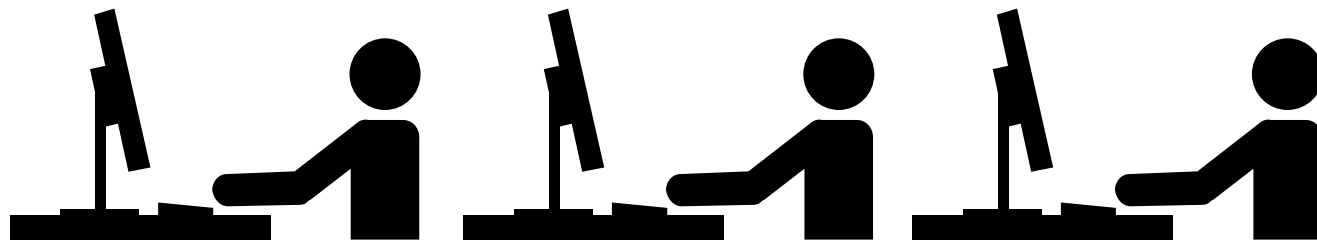
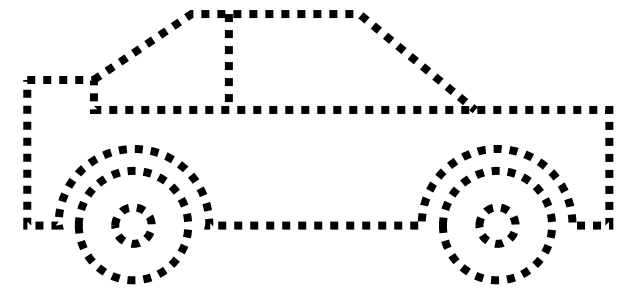


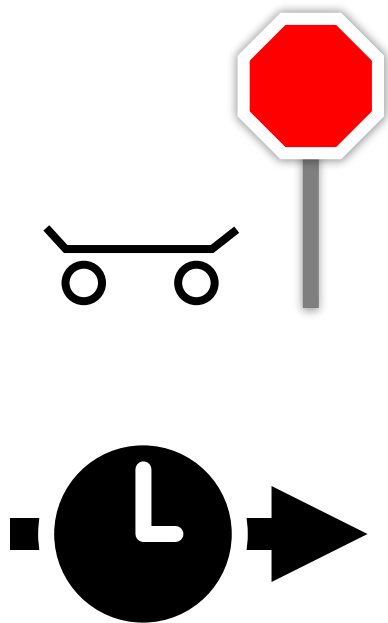
EVENT	▼	ADD
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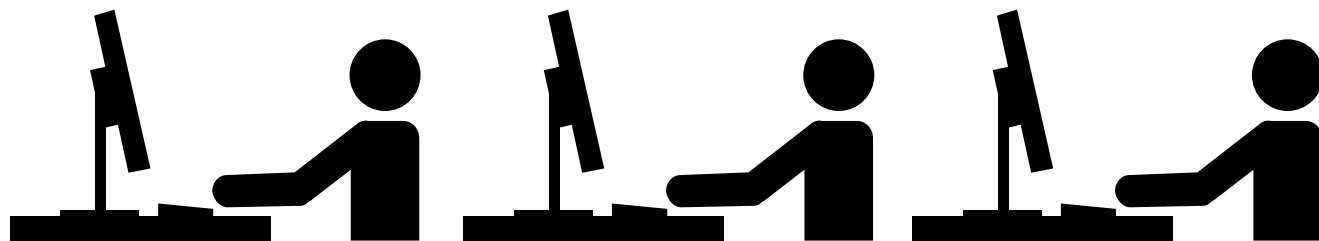
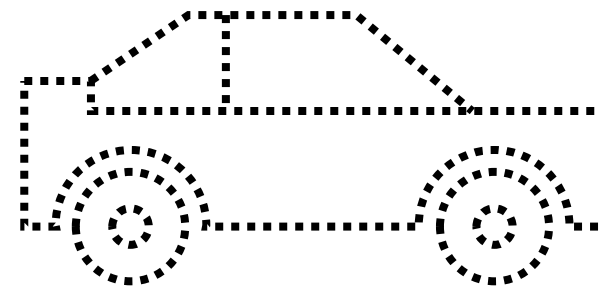


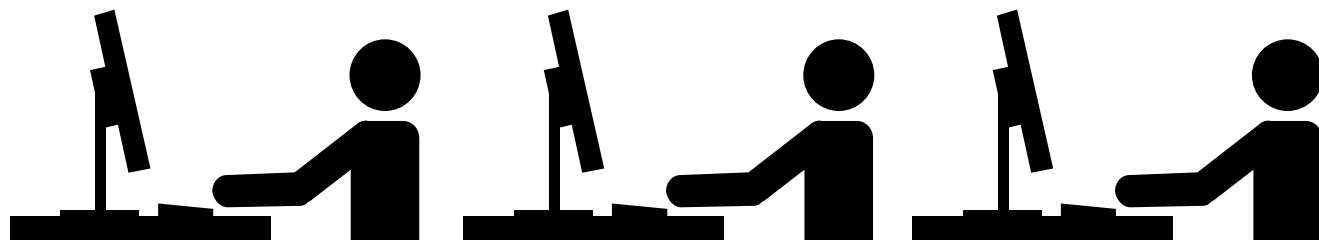
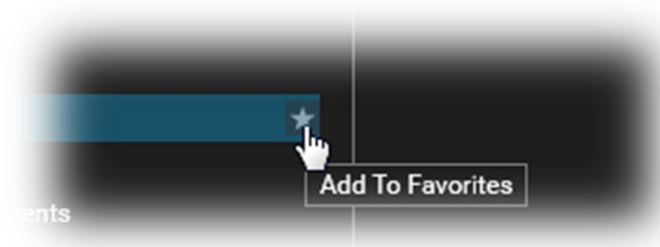
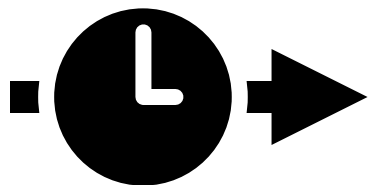
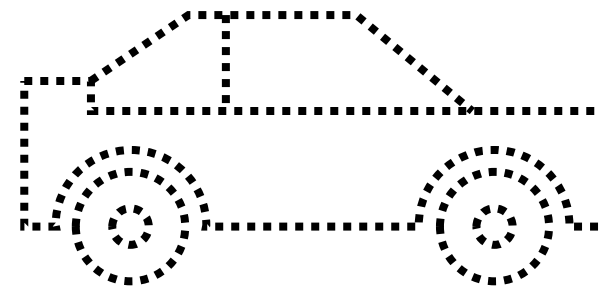
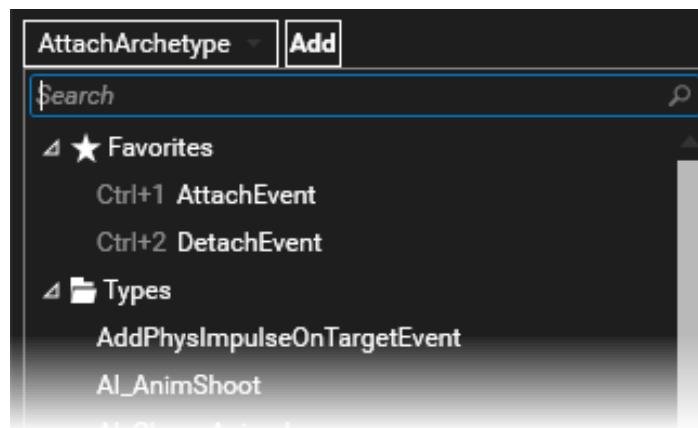
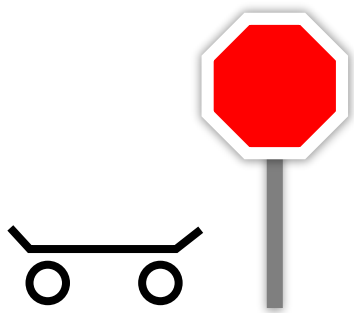
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EVENT	★	
EVENT	★	
EVENT		
EVENT		

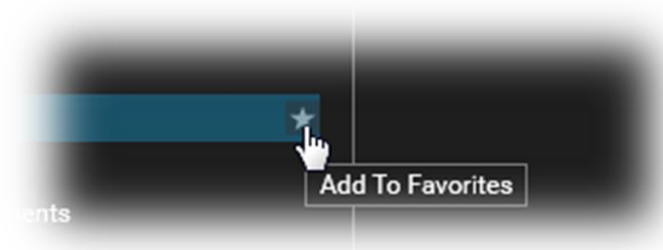
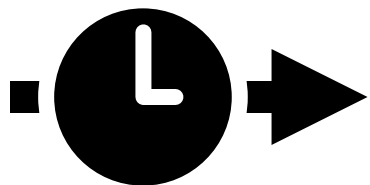
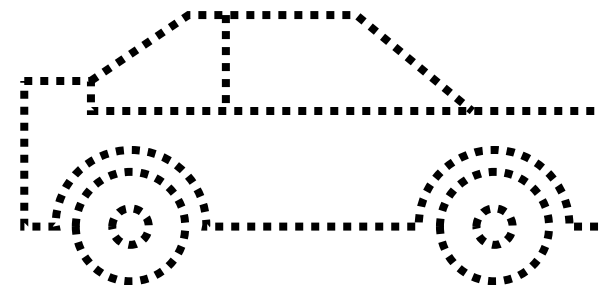
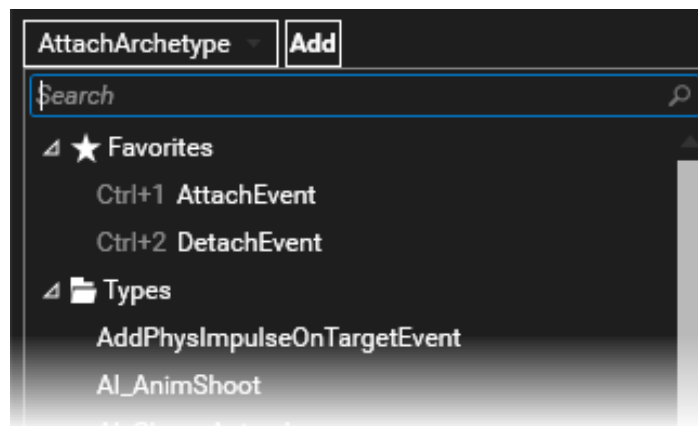
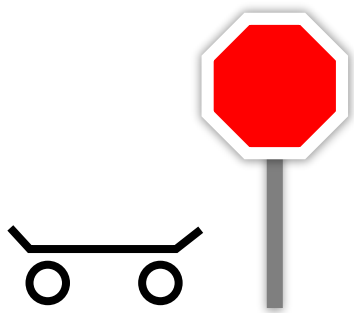




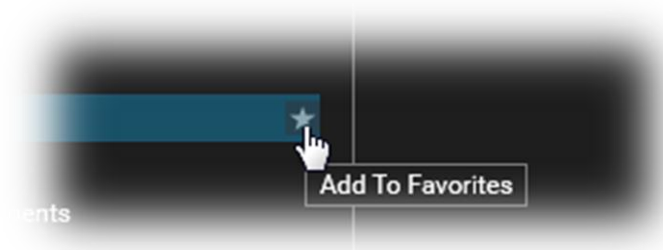
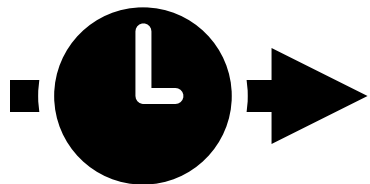
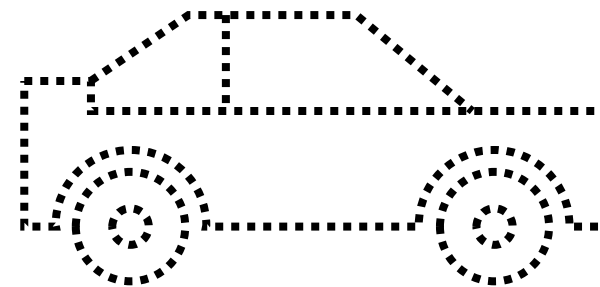
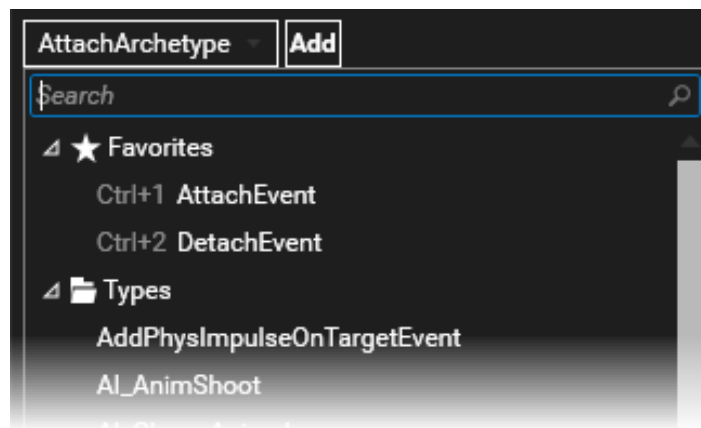
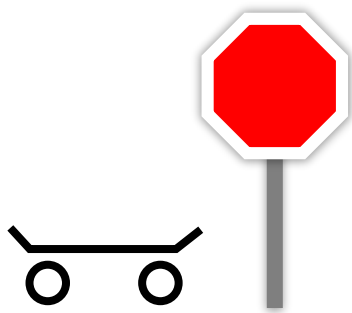
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EVENT	CTRL+2	★
EVENT	CTRL+3	★
EVENT		
EVENT		

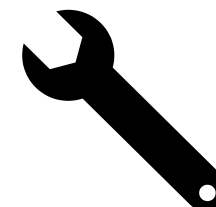
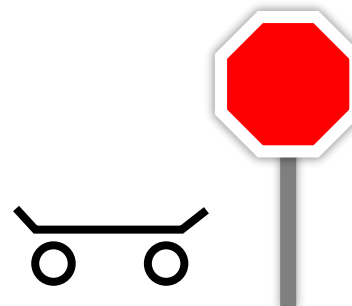
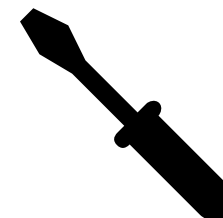
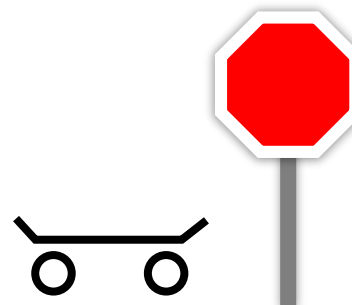
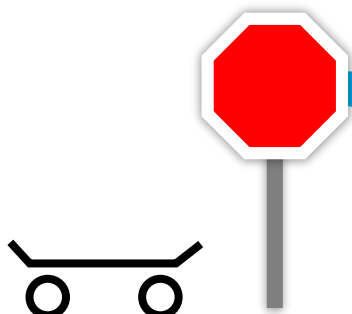












AttachArchetype

Add

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★ Favorites

Ctrl+1 AttachEvent

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Types

AddPhysImpulseOnTargetEvent

AI\_AnimShoot

AI\_CharmAnimal

AI\_MeleeAttackEvent

AI\_Spawn

AI\_TryArrowSwap

AnimalBleedFXEvent

AnimalCombatIntimidationAttackWindowEvent

AnimBlendToRagdoll

AnimSyncPointMarkupEvent

AttachArchetype

AttachEvent

AttachMelee

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100

150

Markup Resizable Event

Footstep


Footstep

Footstep

PlaySound

PlaySound

Markup Event



Base.NPC.Unarmed

Animation

Duration5.933333

Frames178

AttachArchetype Add

Search

★ Favorites

Ctrl+1 AttachEvent

Ctrl+2 DetachEvent

Types

AddPhysImpulseOnTargetEvent

AI\_AnimShoot

AI\_CharmAnimal

AI\_MeleeAttackEvent

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AI\_TryArrowSwap

AnimalBleedFXEvent

AnimalCombatIntimidationAttackWindowEvent

AnimBlendToRagdoll

AnimSyncPointMarkupEvent

AttachArchetype

AttachEvent

AttachMarkup

▶ ■ ↺ 🔊

100 150


Markup Resizable Event

Footstep Footstep

Footstep

PlaySound PlaySound

Markup Event



Base.NPC.Unarmed

Animation

Duration 5.933333

Frames 100

AttachArchetype

Add

Search

100150

★ Favorites

Ctrl+1 AttachEvent

Ctrl+2 DetachEvent

Types

AddPhysImpulseOnTargetEvent

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AttachEvent

AttachMarkup

Markup Resizable Event

Footstep


Footstep

Footstep

PlaySound

PlaySound

Markup Event

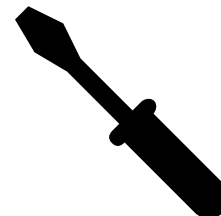
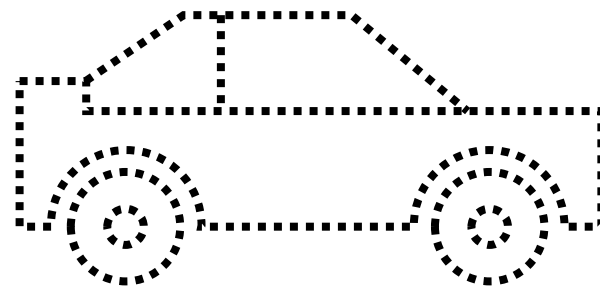
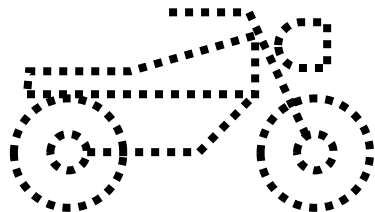
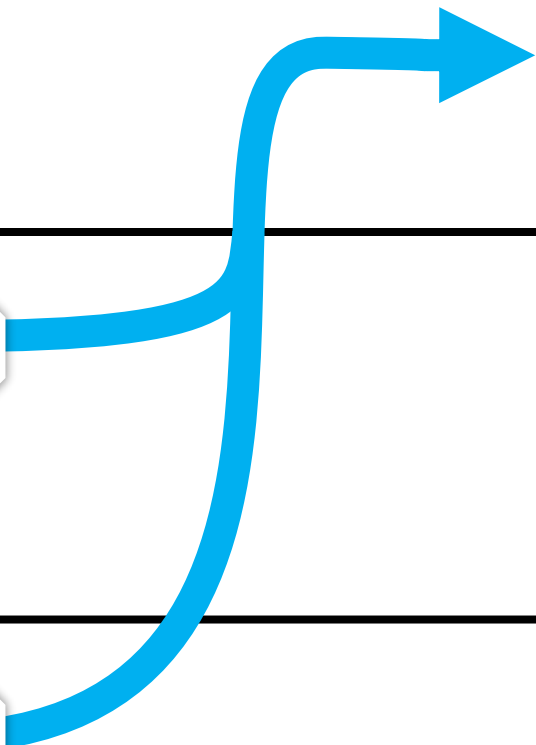
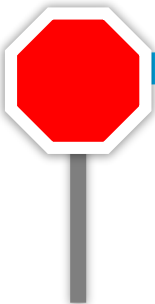


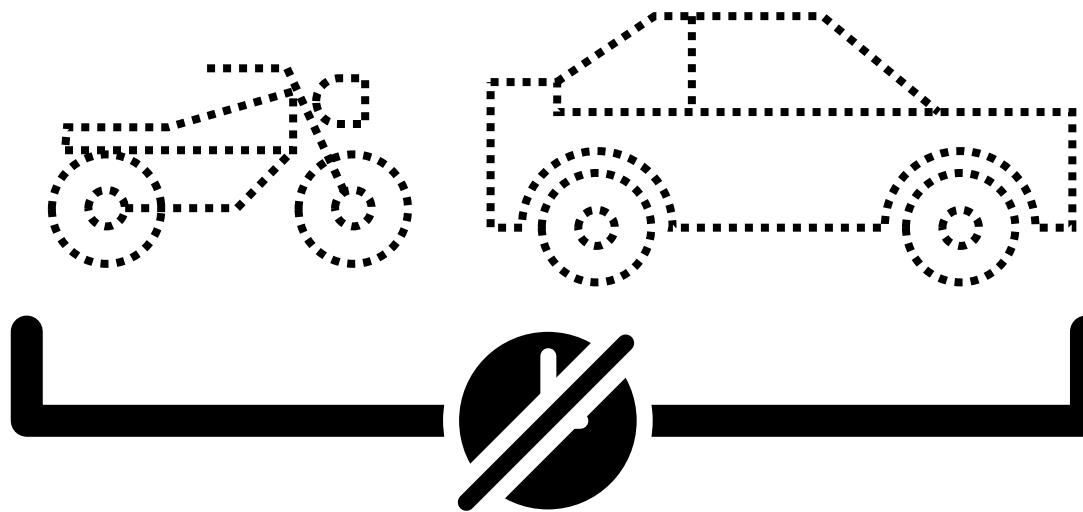
Base.NPC.Unarmed

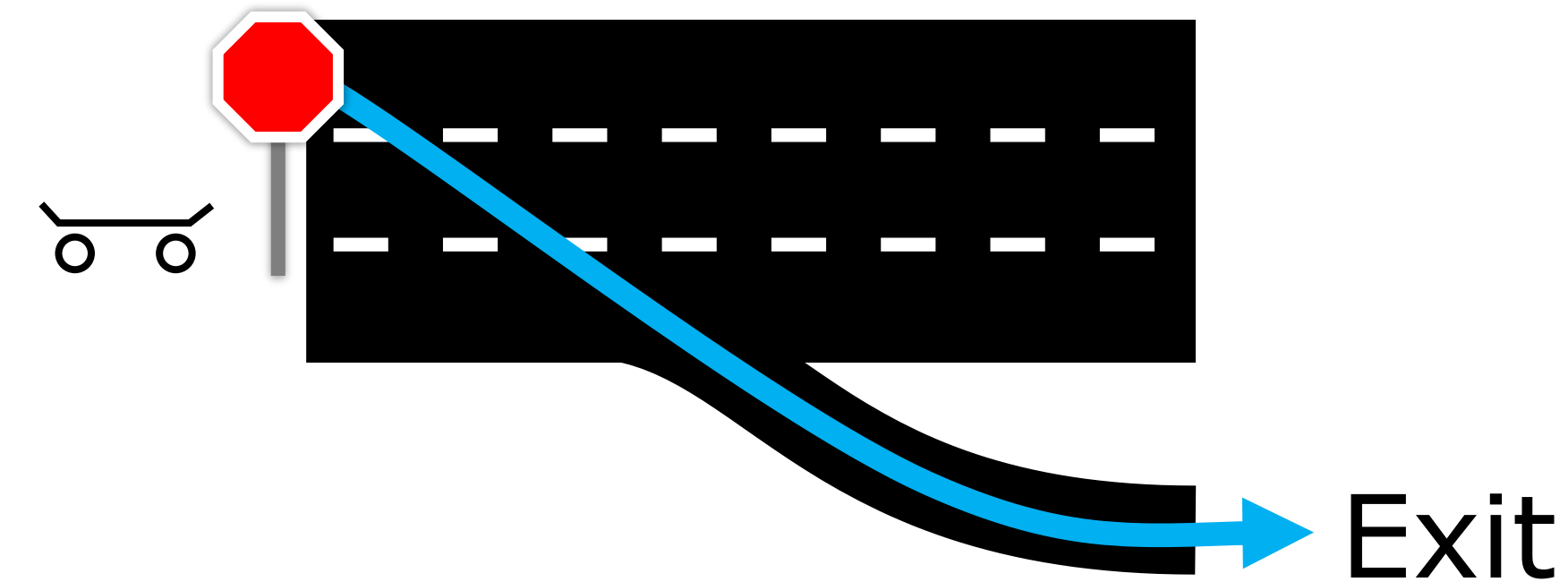
Animation

Duration5.933333

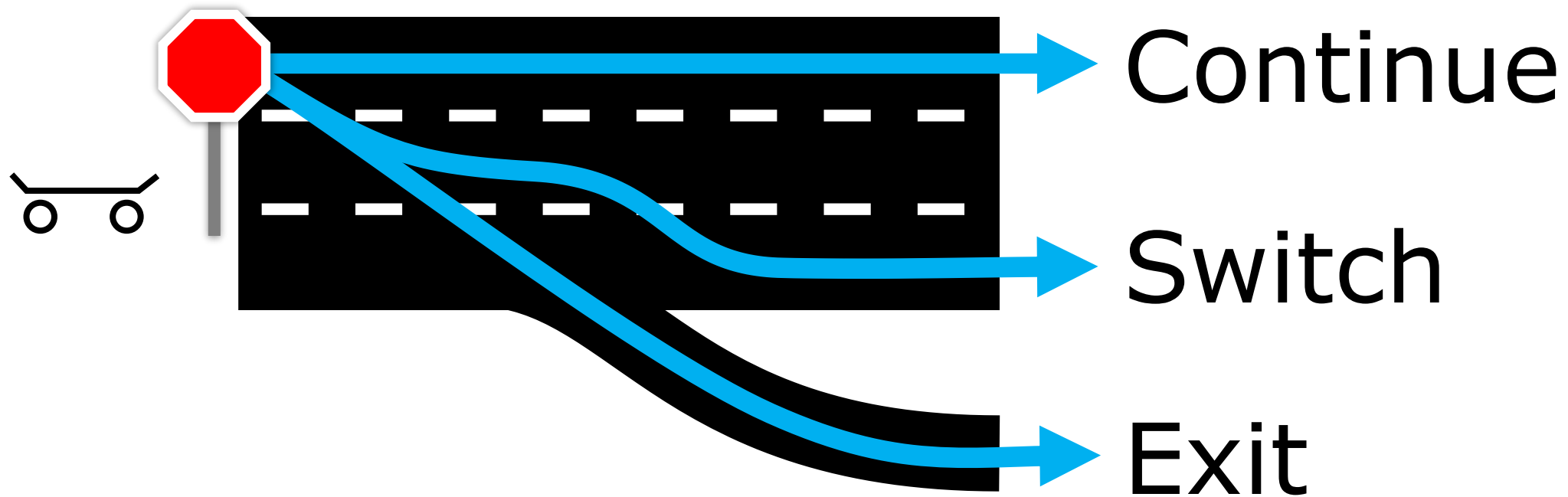
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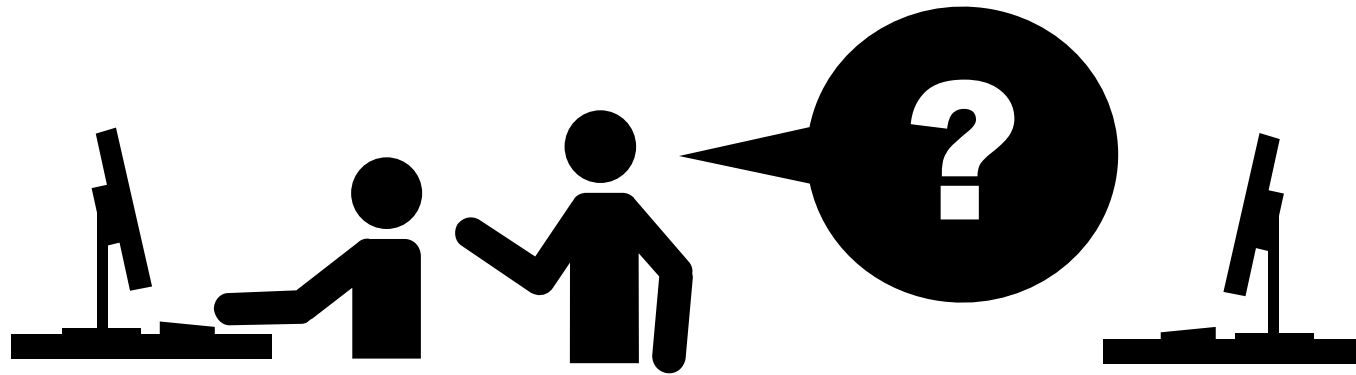








# How spending less time at your desk can help you design better tools



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