

Portfolio of Zihan Liu

Project 1 <i>Bad Bad Roots</i>	2
Project 2 <i>Shadiness</i>	8
Project 3 <i>Exp10sion</i>	19
Project 3 <i>Rose and Poem</i>	30

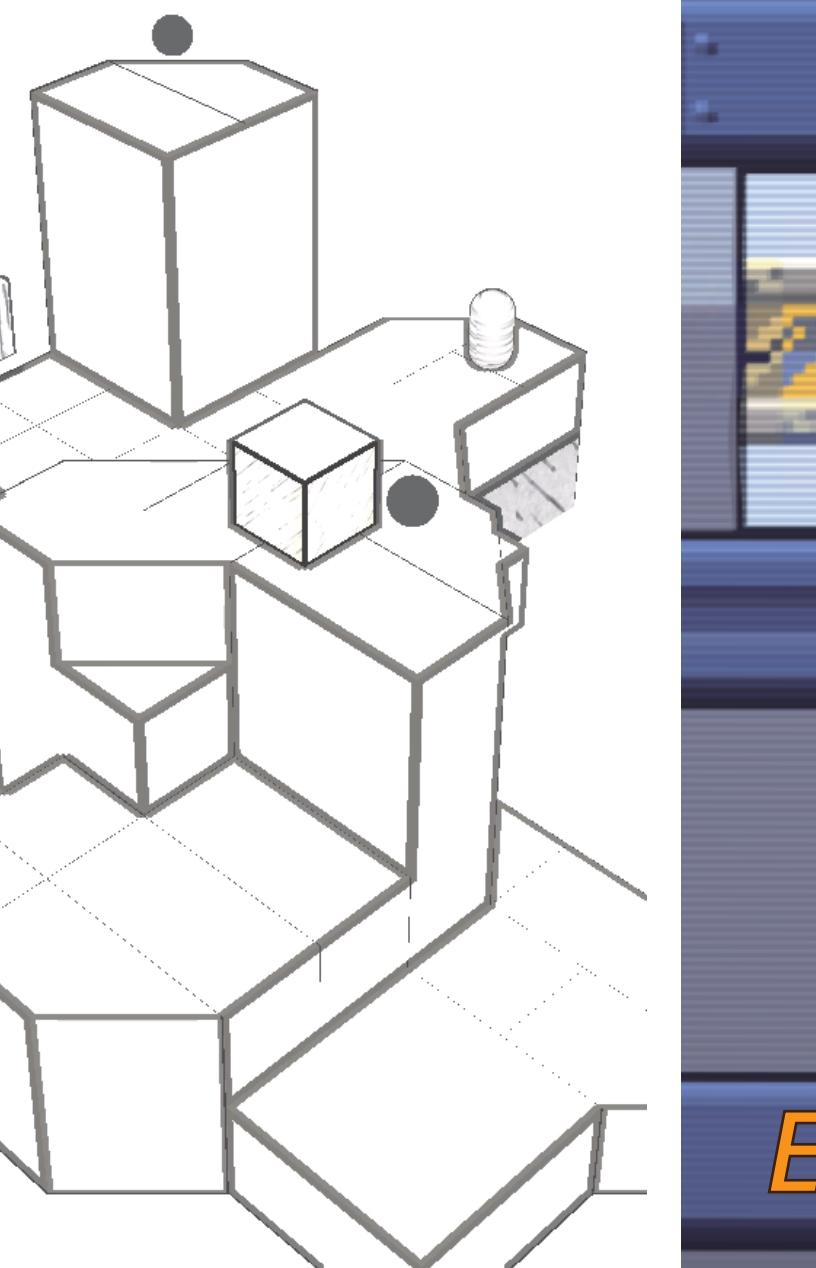
[itch.io](#)

[youtube](#)

[github page](#)

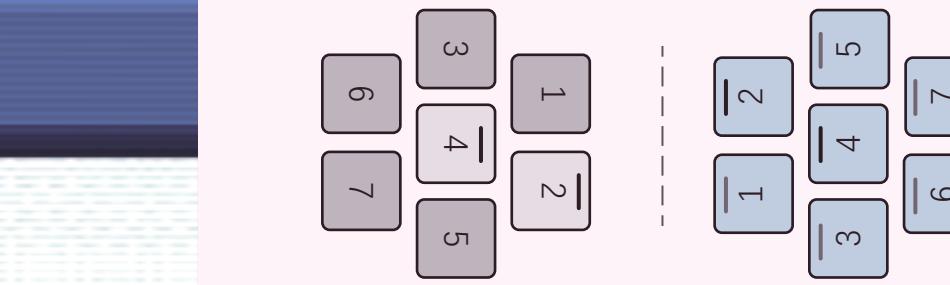


Shadiness



Exp10sion

Rose and Poem



只能占有那名字
只能占有那名字
玫瑰 玫瑰
红色 红色

only the name
Rose Rose
red red

现代生活 死了
Modern life is dead.

不断旋转的 猩猩 想回到从前
A whirling gorilla wish to go back,

却看不见 欺骗
but can't see the deceit.



A Sokoban-like puzzle game with branching roots.

Global Game Jam 2023
Theme: Roots

Video: <https://youtu.be/rX9GlioAAGY>
Demo: <https://psa1ms77.itch.io/bad-bad-roots>

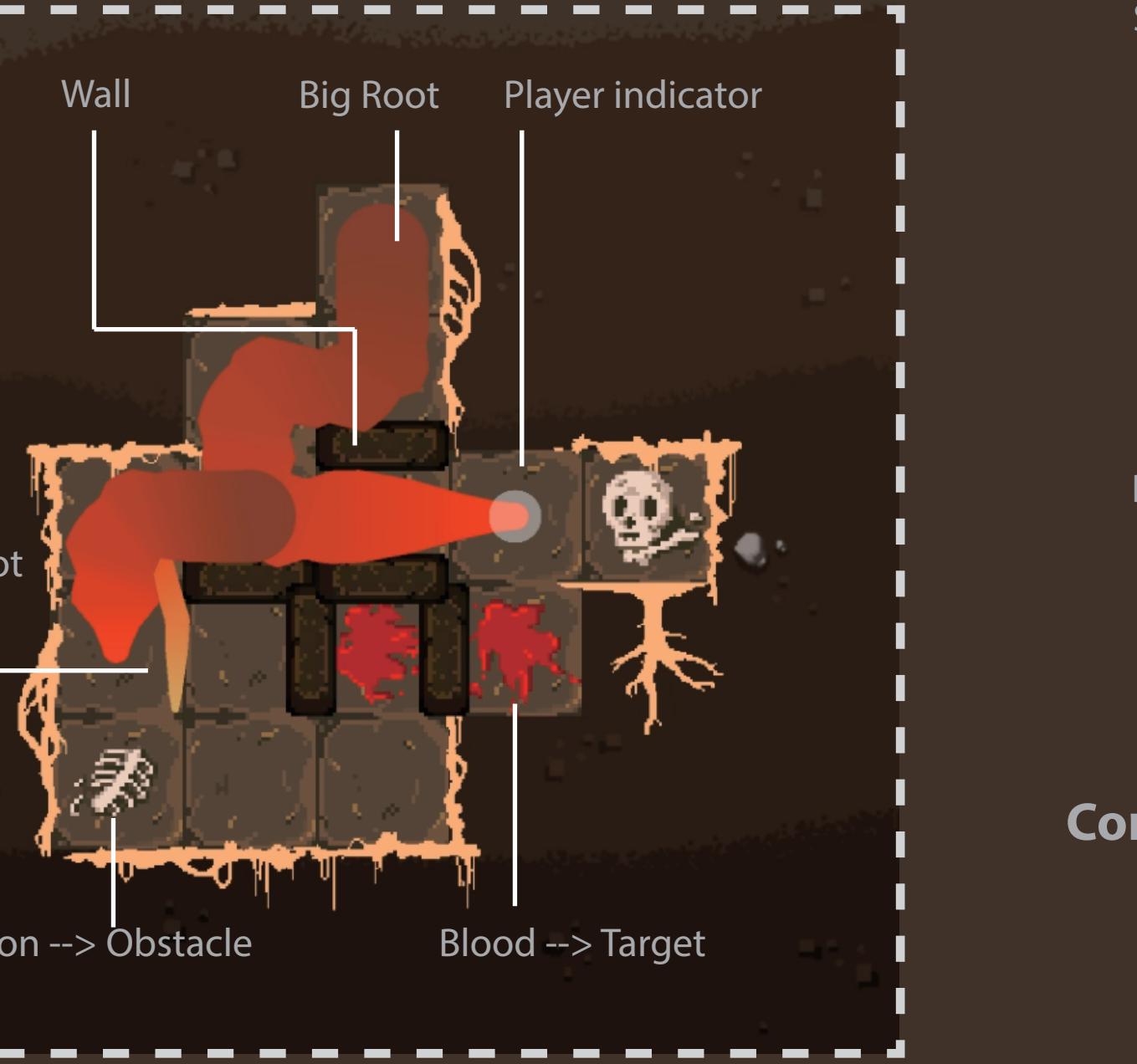
Introduction

In this sokoban-like puzzle game, player will control the **Root** of the "Bad Bad Tree", to move, branch and push away skeletons in order to forage for underground **blood**.

Though root **could not go back** or pass through itself, it could **branch out new root** body to approach more area.

To further develope the idea, we introduce the "**small root**", **moving along tile sides**, as a new and challenging mechanism for our puzzle.

Game View



Inspirations

Sokoban-like / tile-based puzzles



Elasticat



The Snake Cat



SNEKS

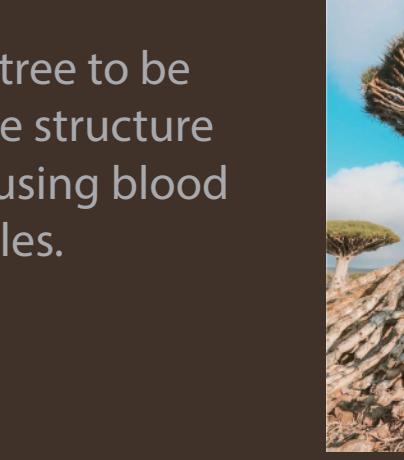
Game with Branching Root



Rooted

Dragon Blood Tree

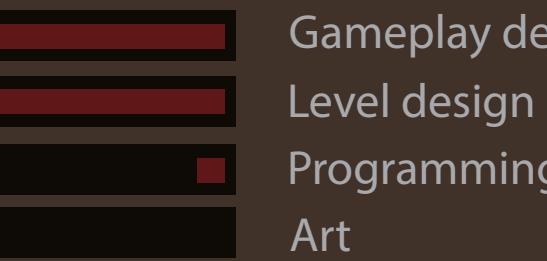
We used the image of a dragon blood tree to be the outlook of our root, as it has unique structure and aesthetics. Thus came the idea of using blood and skeletons to be target and obstacles.



Dracaena cinnabari

Contributions

in a team of five



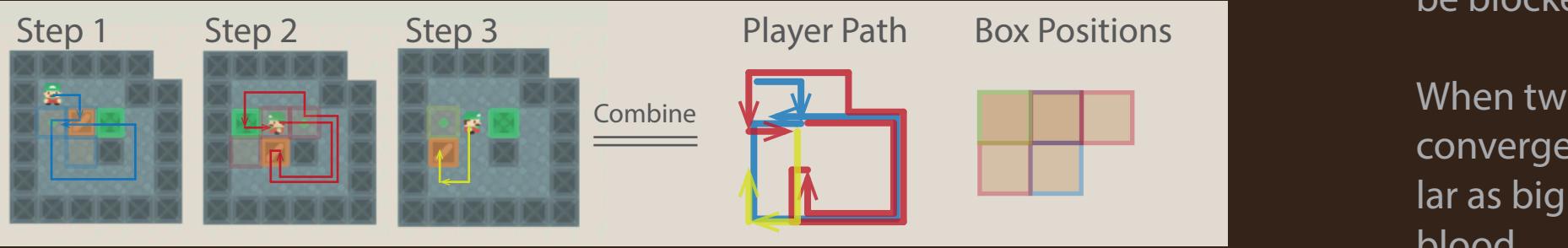
I conceived the core idea and mechanisms and designed all the levels, while the details of gameplay and player input were designed collaboratively.

Idea Developing

Root Can't Go Back !!!

Repeating Path is important in Sokoban like puzzles.
It will provide space for obstacles/targets to move.

Consider a simple and classic sokoban level as example.

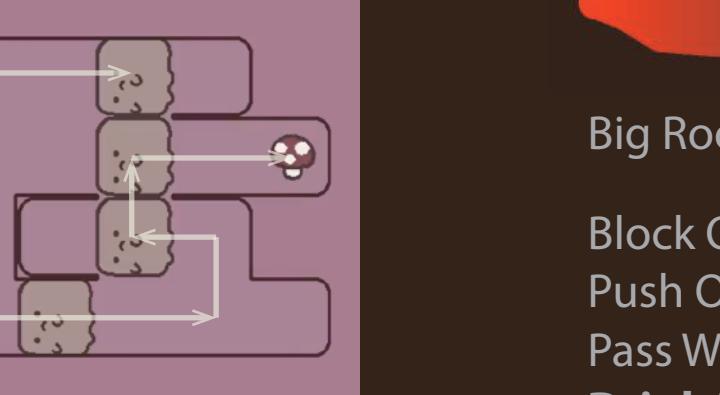


Player will repeat its paths and box will be in same tiles in different steps.

Another example is *Elasticat*, by Zera.

The cat is elastic, it could stretch out and shrink back. Player control the cat to push away hamsters and eat the mushroom.

By shrinking back, cat could get to any tiles while leaving space for a path to target.



Compensation? Small Roots !

If roots could just normally branch but could not shrink, the levels will be too similar and limited.

What if there is a way that root could affect obstacles before it actually move there, like, using **Small Roots**?

Small roots move along the side of the tile, thus not be blocked by obstacles but also can't push them.

When two small roots meet in same tile, they could converge into a **Middle Root**. Middle roots act similar as big root despite they can't diverge or drink blood.



The Go through Matrix

Facing Player \	Big Root	Middle Root	Small Root
Big Root	✗	✓	✓
Middle Root	✗	✗	✓
Small Root	✗	✗	✗

Root can't go through itself, but can go through smaller roots.



Big Root:

Block Obstacles

Push Obstacles

Pass Walls

Drink Bloods

Middle Root:

Block Obstacles

Push Obstacles

Pass Walls

Drink Bloods

Small Root:

Block Obstacles

Push Obstacles

Pass Walls

Drink Bloods

Levels

14 levels in 2 divisions were designed during the jam.

Levels in 1st division could be solved by simple branching.



Introducing
Move and Target

Introducing
Branch

Introducing
Obstacle

Practicing
More Obstacles

Developing
Less Walls

Developing
More Wrong path
No walls
More Targets

Levels

Levels in 2nd division are about the new mechanism of small roots.



Introducing
Branch Small Root
Converge Middle Root

Practicing
Small Root
Middle Root

Practicing
Small Root
Middle Root

Developing
Middle Root move more

Developing
Less Walls
Saving Space

Developing
No walls
More Targets

Levels

Illustration of some levels.

Level 1-6, choose side at the beginning.

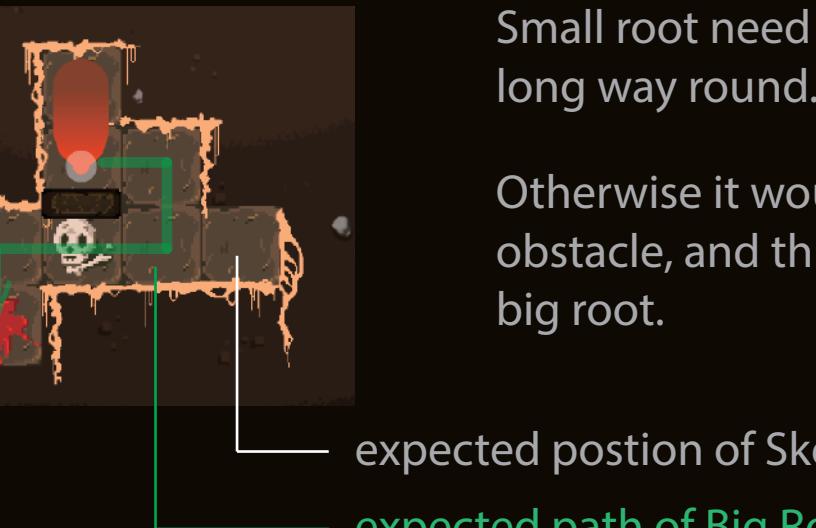


Going left seems easy to reach one blood, but can't reach another one.

Going right seem difficult that one skeleton will stand before you multiple times.



Small root path 1



Small root need to take a long way round.

Otherwise it would block the obstacle, and thus block the big root.

expected postion of Skelleton

expected path of Big Root



Small root path 2

Spaces to be used

Spaces to be saved



Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7



Step 1

Step 2

Step 3

Step 4

Step 5

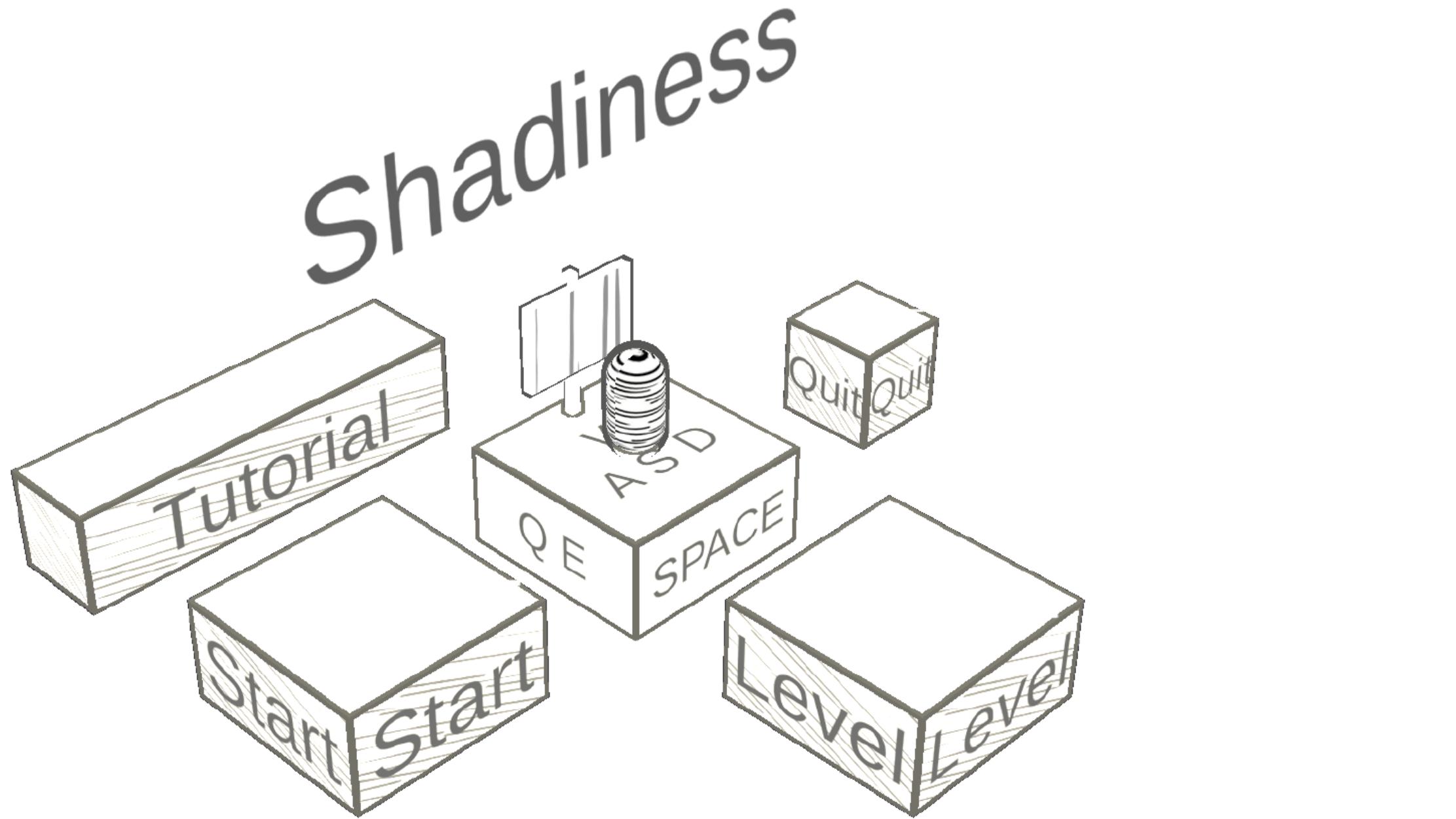
Step 6

Step 7



Step 7

Level 2-6, very strict about space.



Little Sandbox Game about Shade.
Solo-Developed with Unity,
2022.09 - 2022.12.

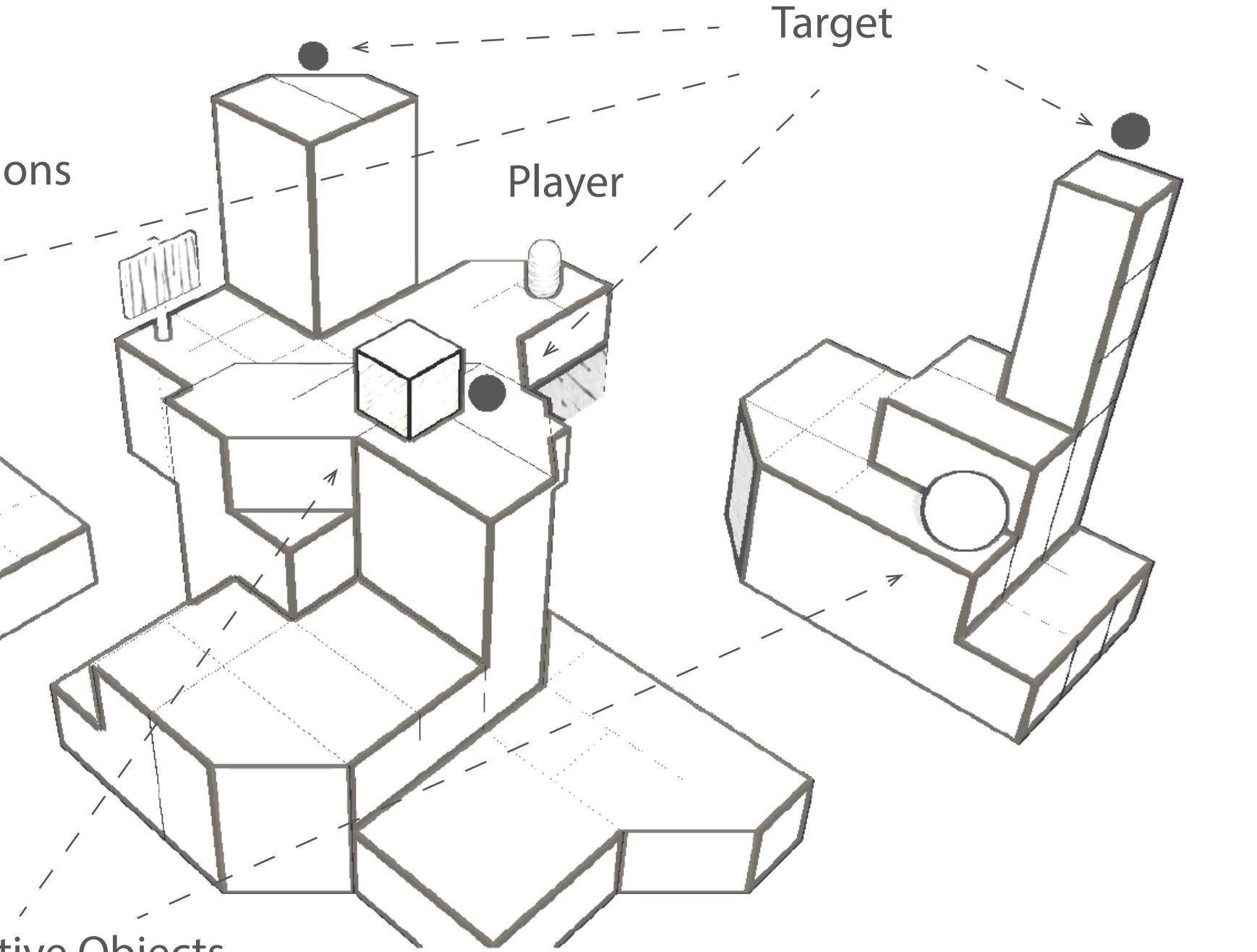
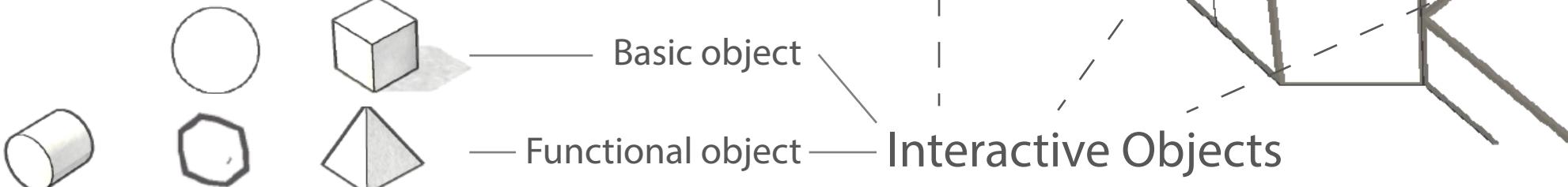
Video: <https://youtu.be/hNAAoKwfQbk>
Demo: <https://xiu0922koway.itch.io/shadlineee>

Shadiness

Introduction

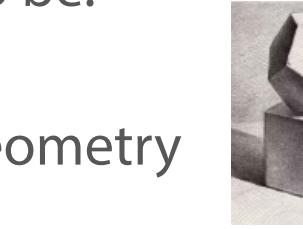
A 3D action puzzle game about line and shade, with small sandbox-like levels.

In order to get over various obstacles, player would use the ability to change lineated shades of objects and create lines.

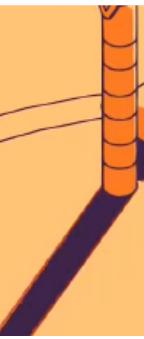


Inspiration

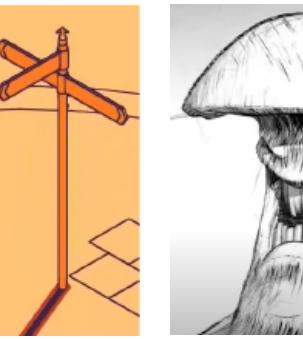
When learning sketch, I noticed shade would provide a sense of heaviness: the darker an object is, the heavier it felt to be.



Basic Sketch Geometry



NPR



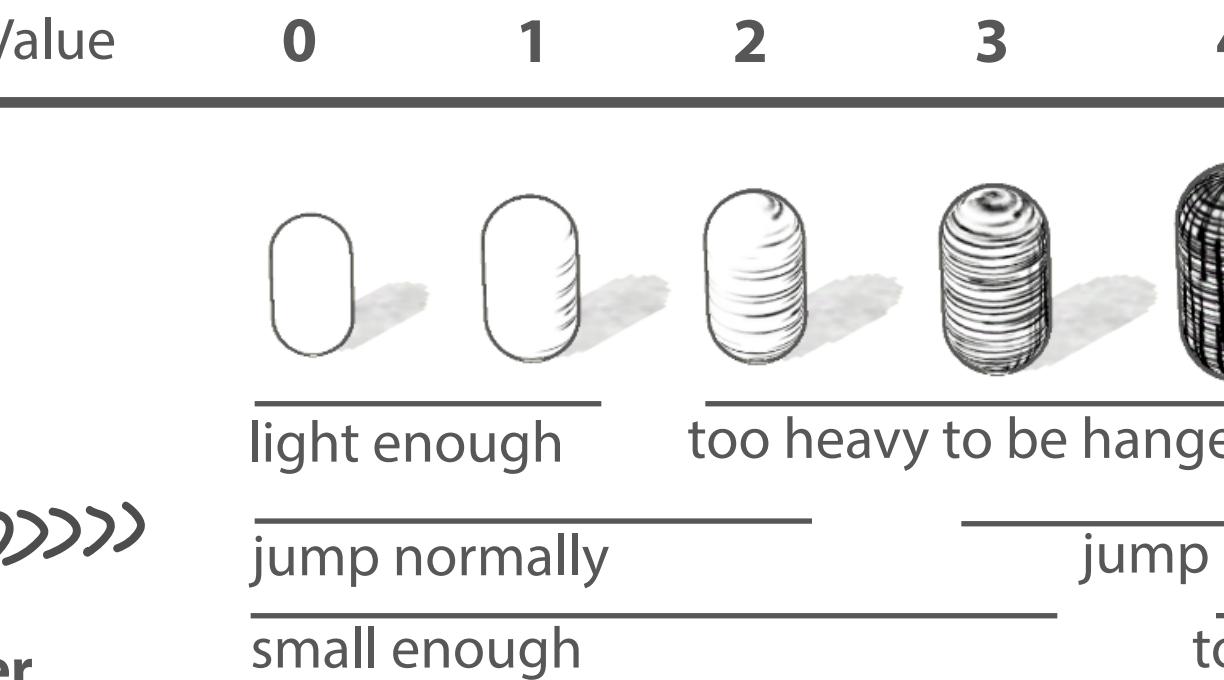
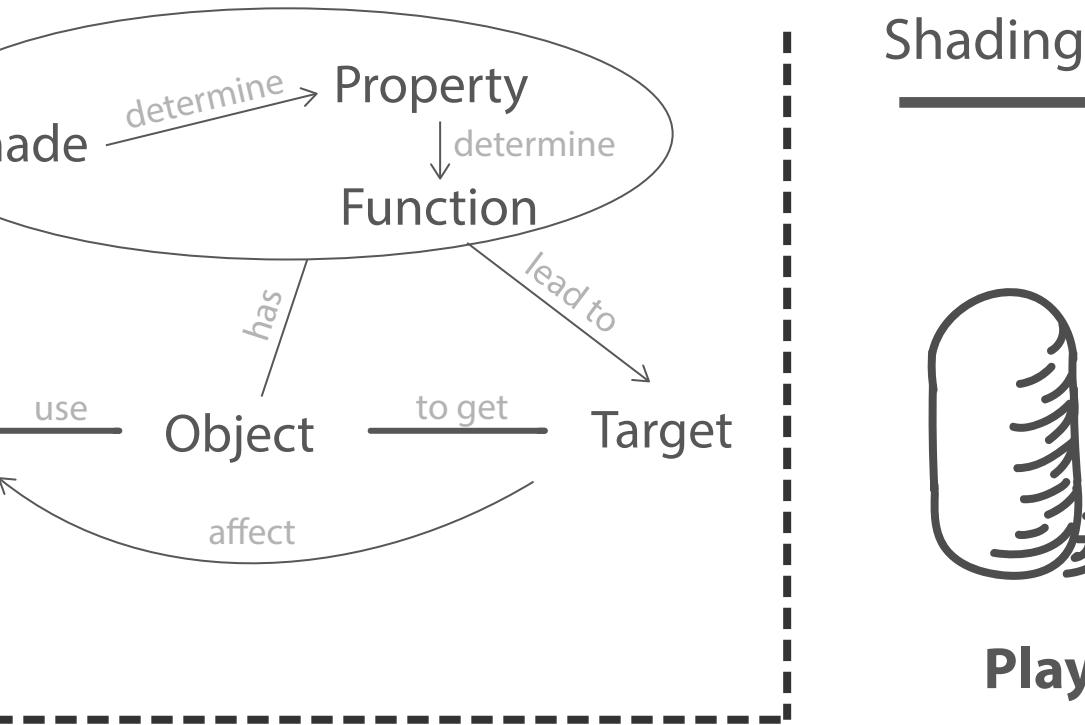
Sandbox Puzzle



Gamplay

Shading Value

Shading Value is the basic unit in game. By taking and giving discrete shading value, player could change the shade of itself and other objects, and therefore change their **properties and functions**.



Push
→ →
Player can only push objects "lighter" than him.

Player

Move & Jump



Space

Give Shade

Select

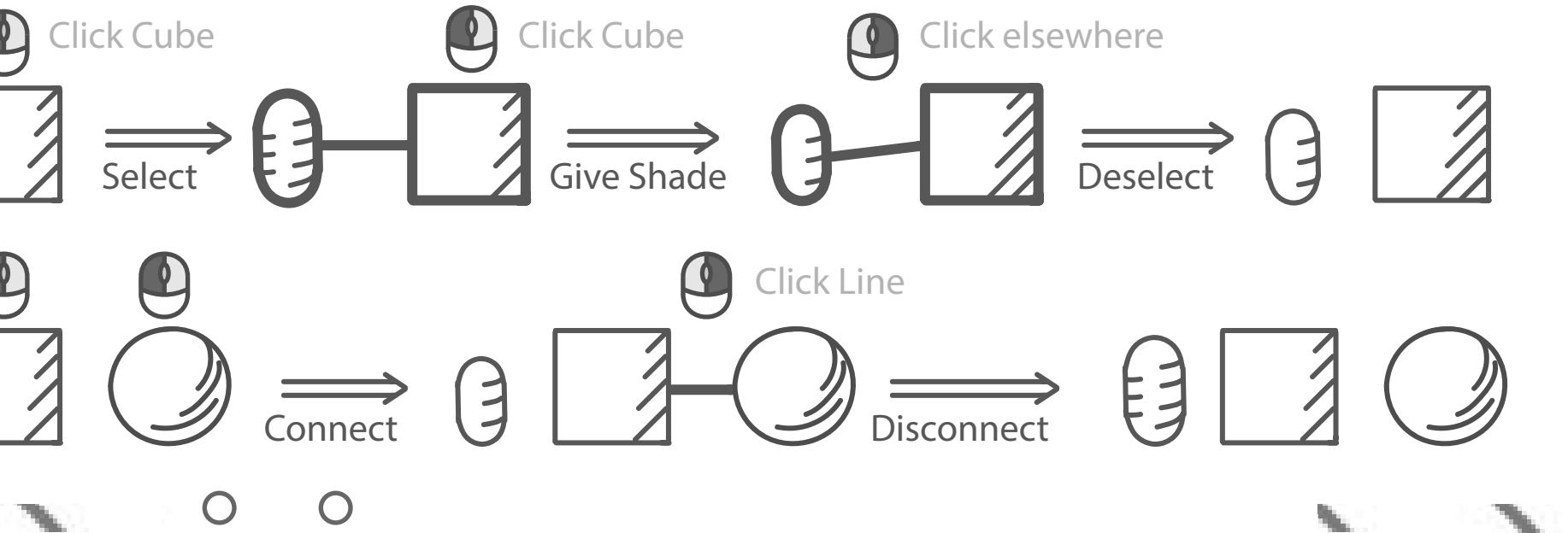
Take Shade

Deselect

Line Length

Camera Rotate

Camera Zoom



Target

reach target

absorb target

Add 1 Shade Value

Player can only absorb target when his shade value less than 3, hence the order of absorbing is need to be consider.

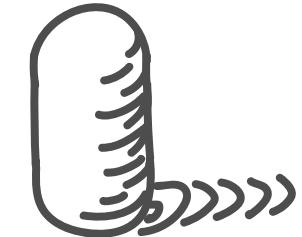
Interactive Objects

There are 5 interactive objects in game.

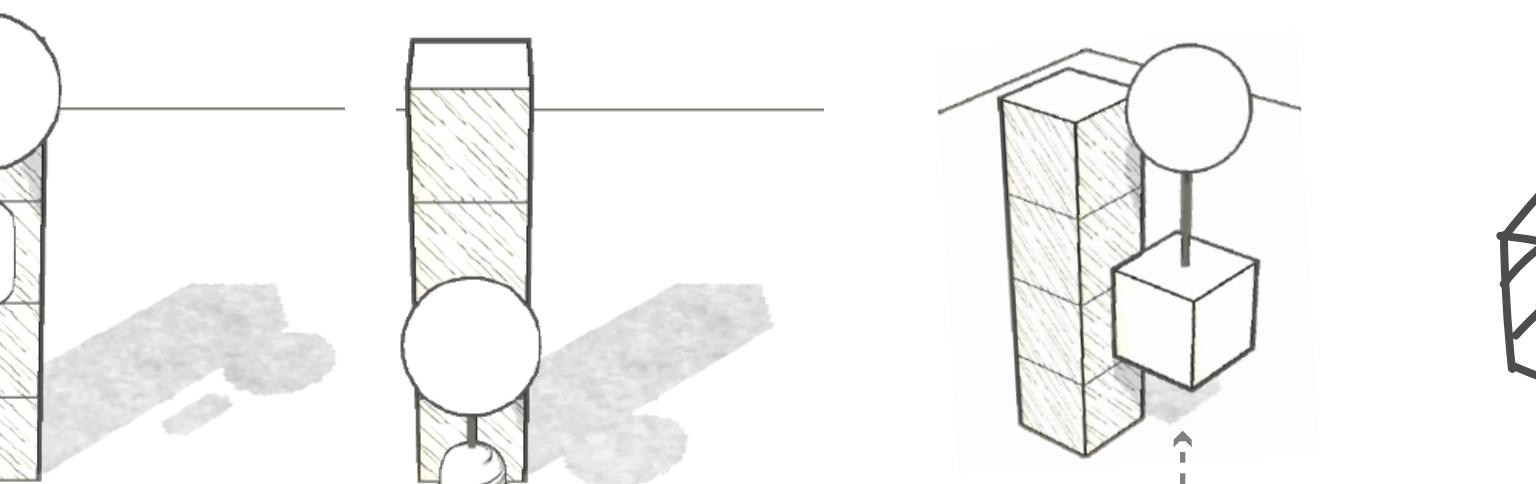
Cube and **Sphere** are 2 basic objects, as the core puzzle solving elements through all levels.

Shading Value

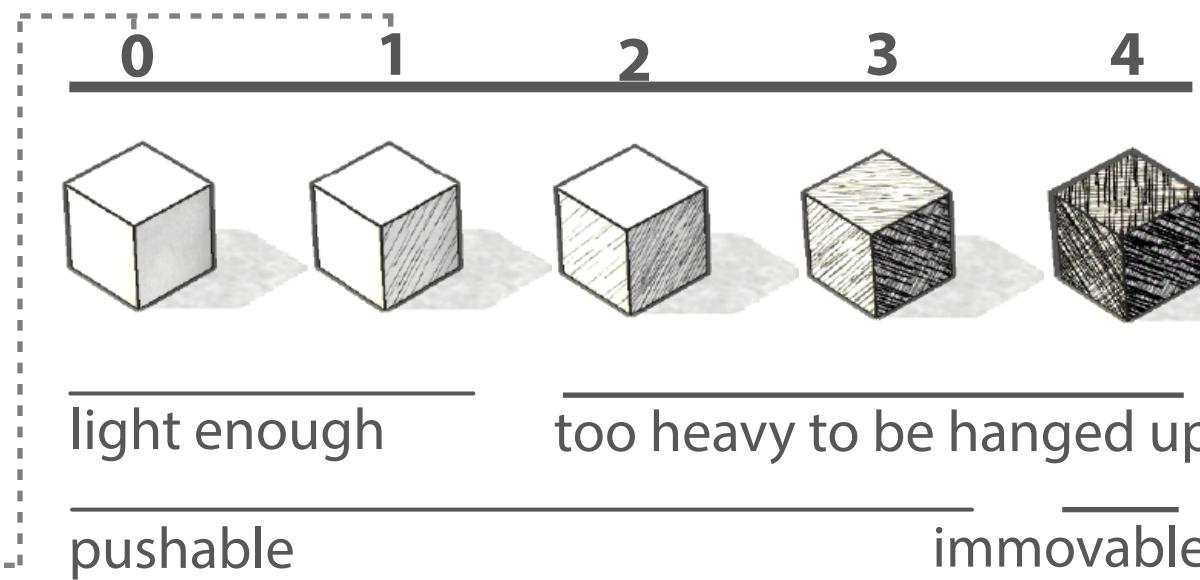
0 1 2 3 4



Player



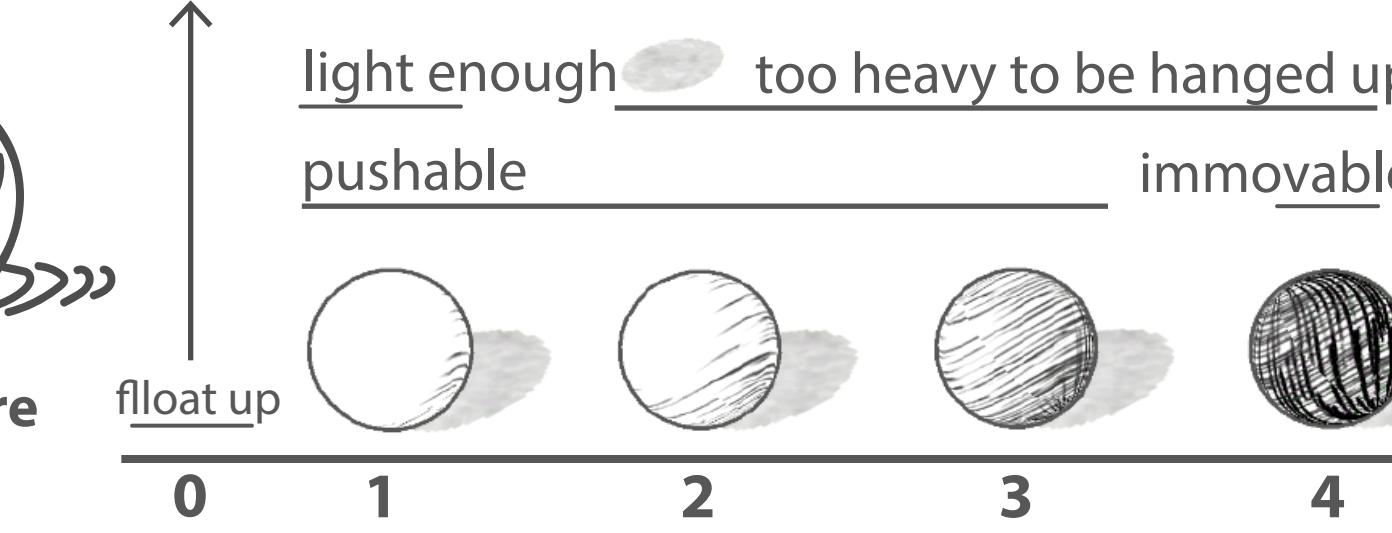
Cube



Cube could **be piled up and stood on** as an approach to **go higher**.

Sphere could **float up** to be a balloon and thus **carry player and objects**.

The size of these two object is slightly smaller than 1 unit in game.



Shading Value

4

3

2

1

0

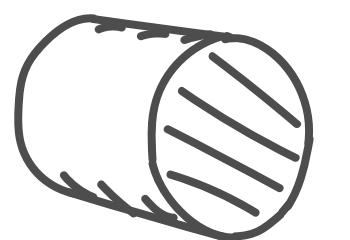
0

1

2

3

4



Cylinder

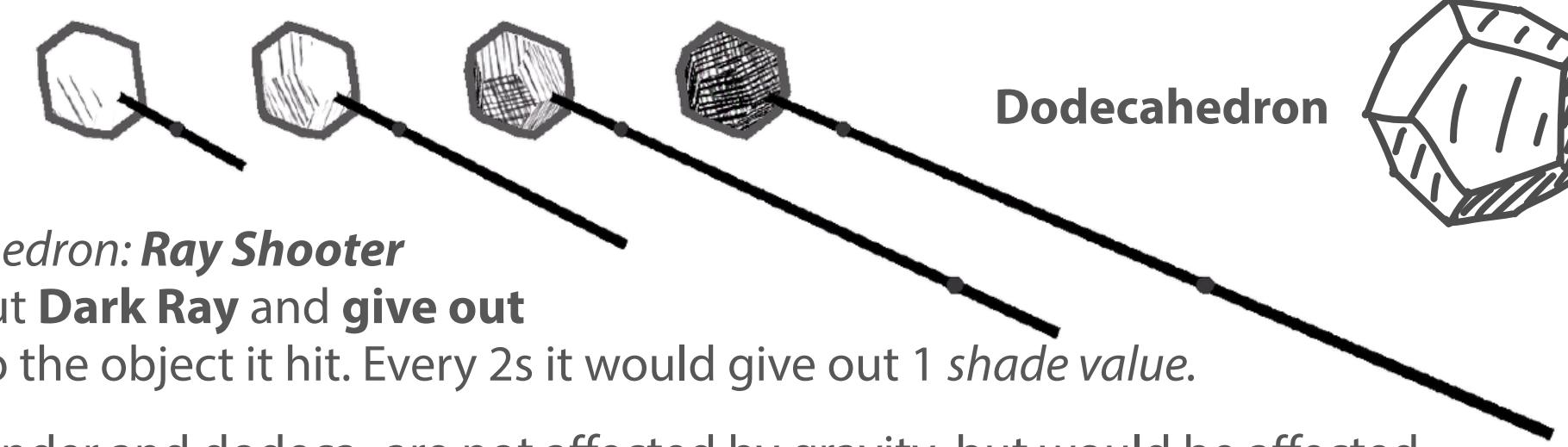
Cylinder: Wind Blower
Blow wind according to its own shading value:
the darker, the farther.



Pyramid

Pyramid: Rotater

Rotate 90° when shade value changes. If shade value decrease, pyramid will rotate clockwise; if the shade value increase, it will rotate anti-clockwise. And Pyramid would **stick into** object its spike touches and **rotate along** with the object, when it is not too dark and heavy.

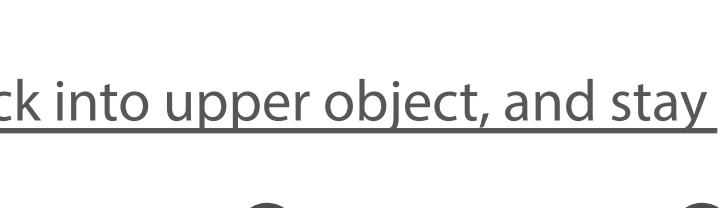


Dodecahedron

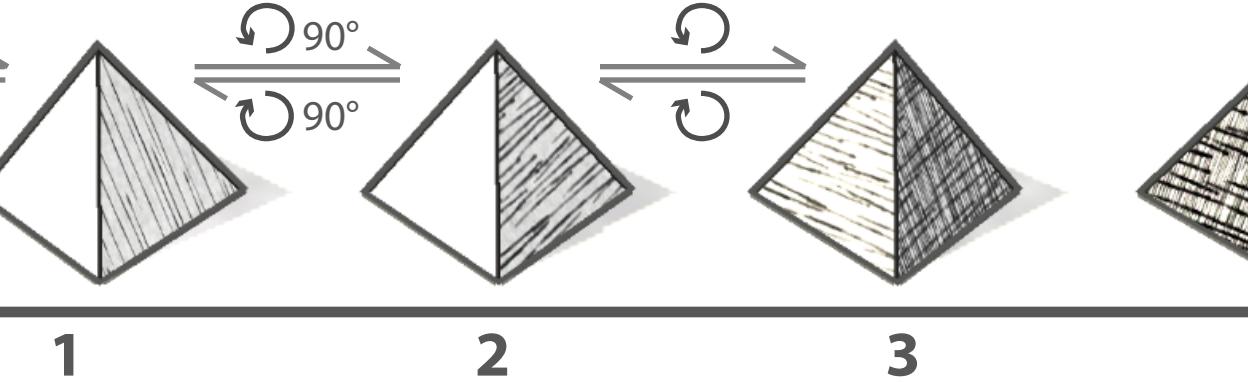
Dodecahedron: Ray Shooter

Shoot out **Dark Ray** and **give out shade** to the object it hit. Every 2s it would give out 1 shade value.

Both cylinder and dodeca- are not affected by gravity, but would be affected by other cylinders or pyramids.



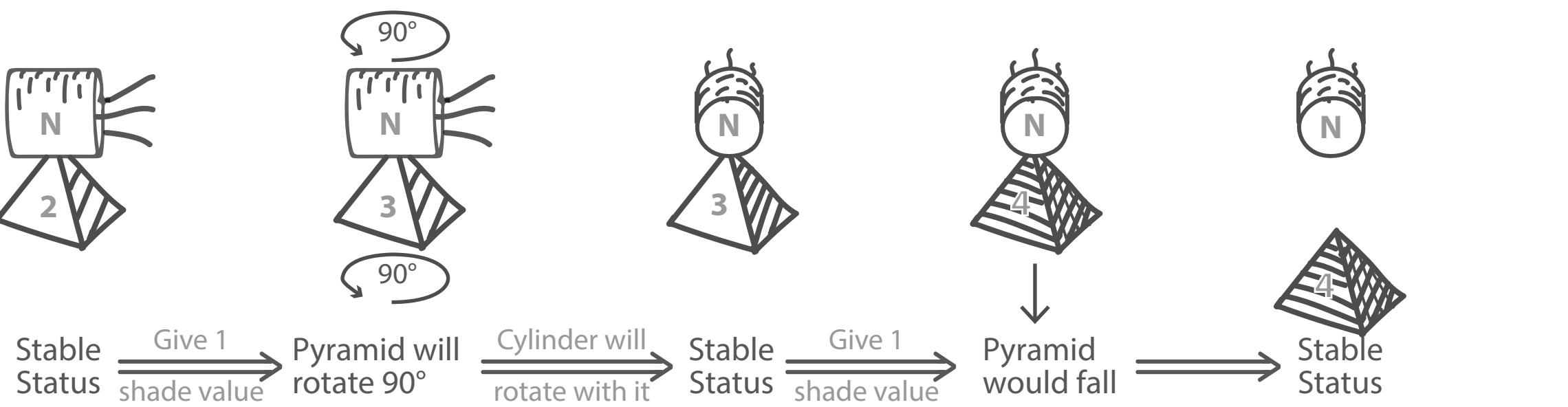
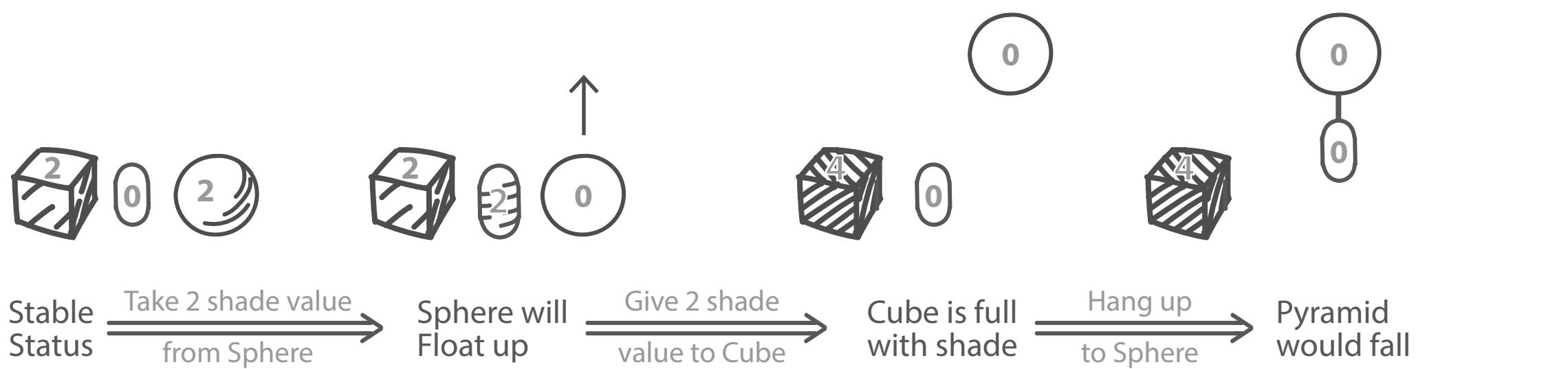
leave and fall



mass properties
same as Sphere

Object Functions

Illustration of functions and combination of objects.
N and numbers represent shade values or distance.



Stable Status

Give Dodecahedron 1 shade value

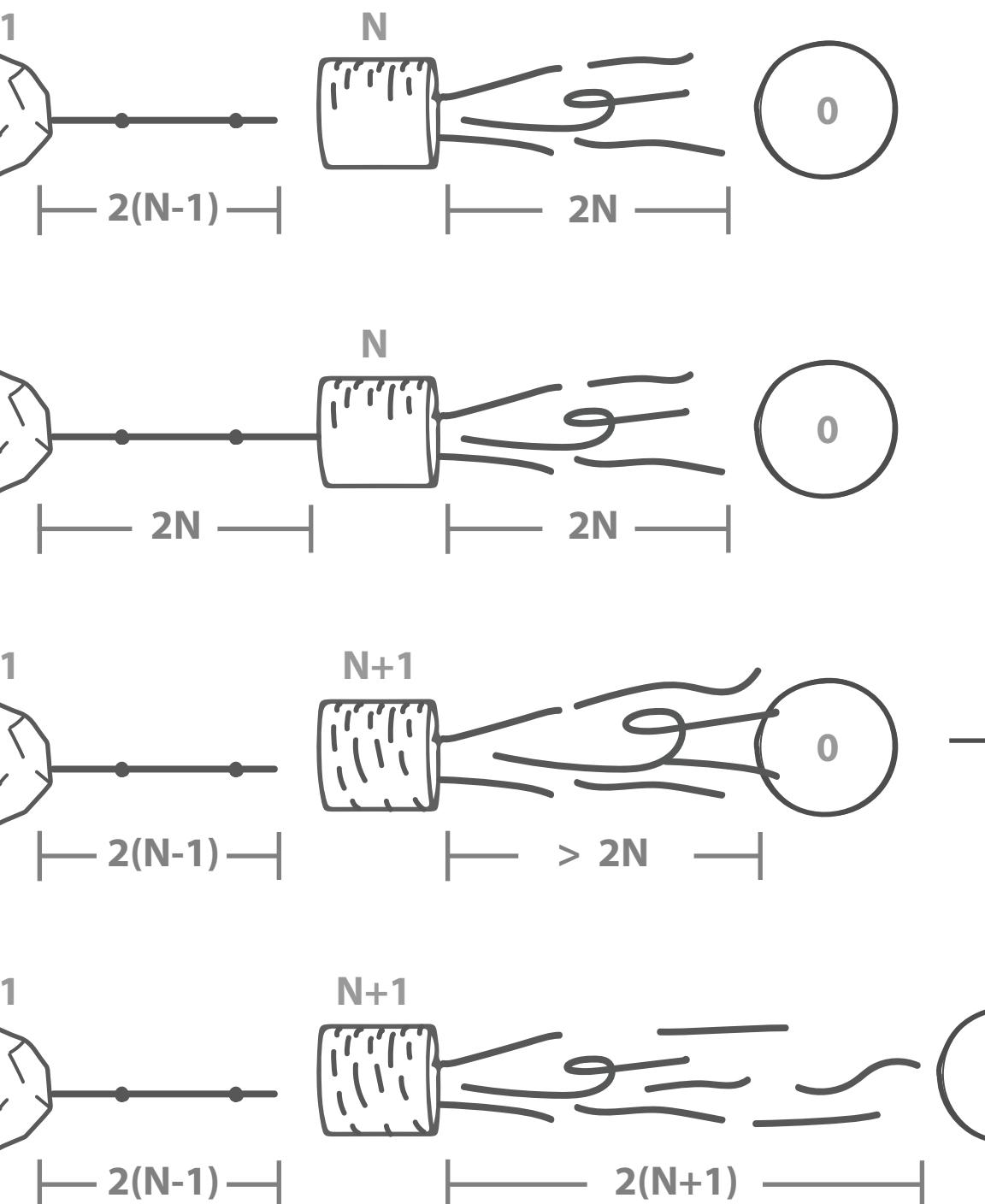
Ray reach Cylinder

Dodecahedron give out 1 shade value

Wind reach Sphere

Wind Push Sphere away

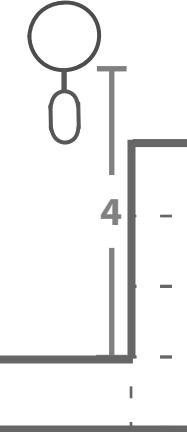
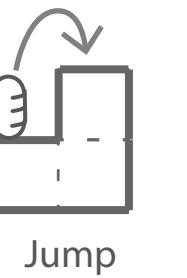
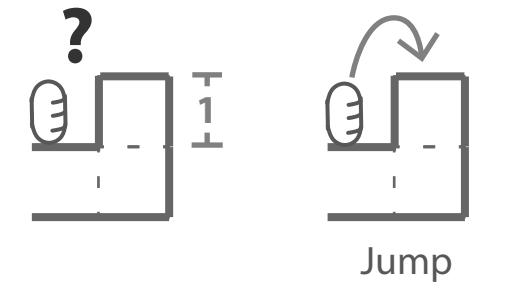
Stable Status



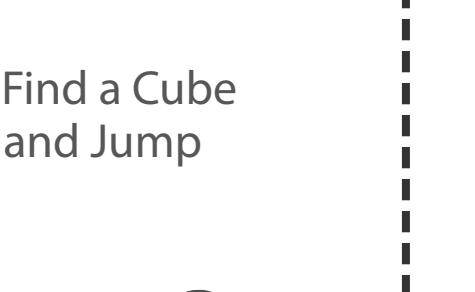
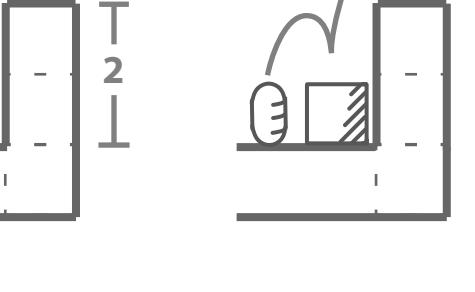
Level Design

Barriers and Approaches

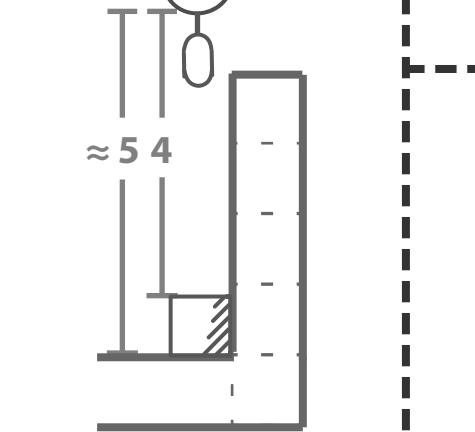
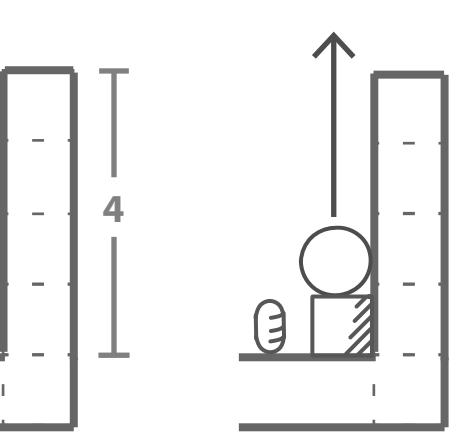
1. Height



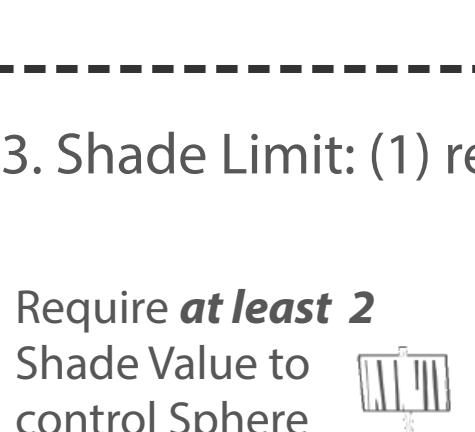
Jump



Find a Cube
and Jump

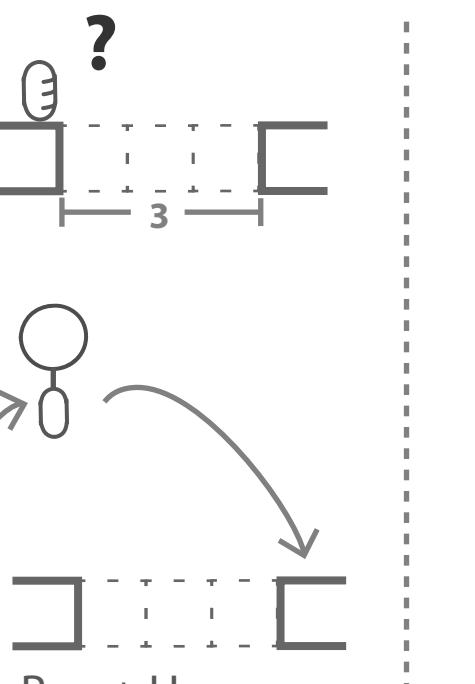


Float up a Sphere
on the Box

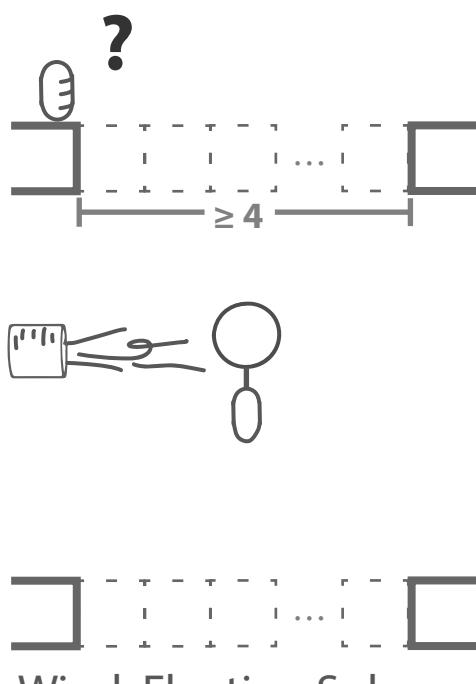


Hang Up

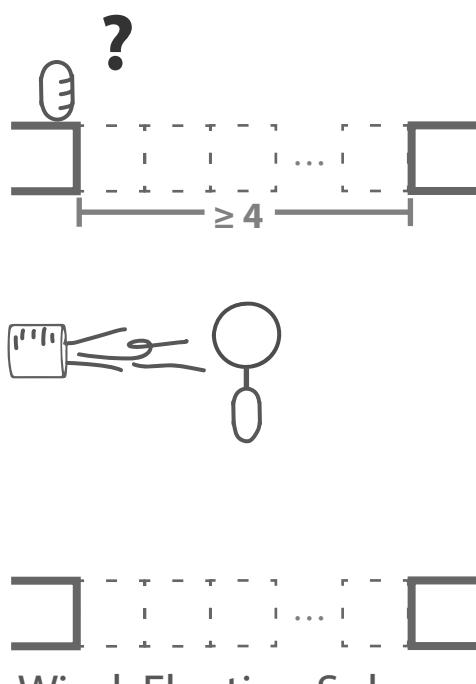
2. Distance



Jump to limitation



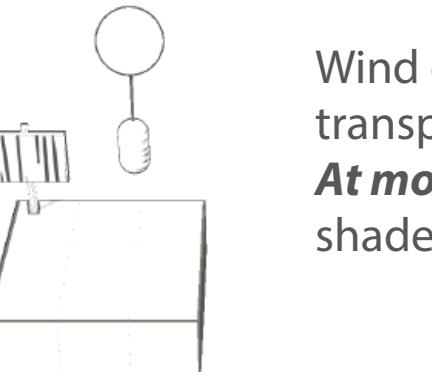
Run + Hang up



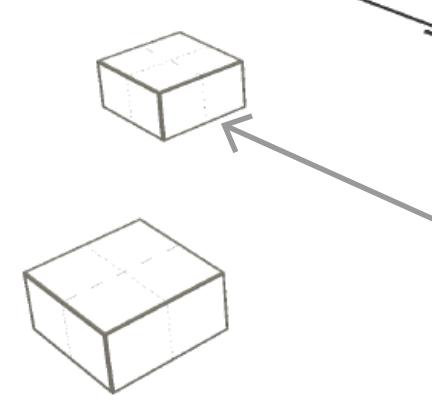
Wind, Floating Sphere

3. Shade Limit: (1) regional shade limit

Require **at least 2**
Shade Value to
control Sphere

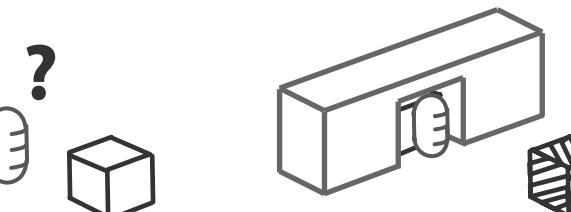
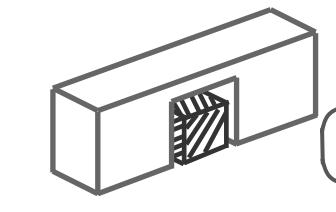


Wind could
transport
At most 1
shade value

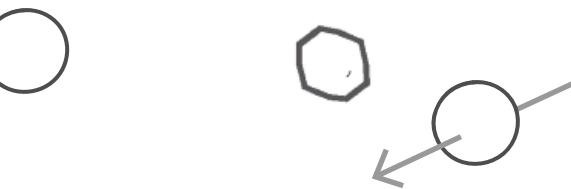
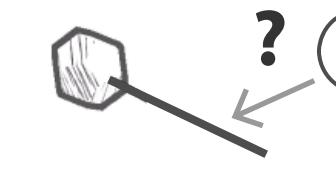


If target region require
controlling of floating
Sphere, Player would
have to find more shade
from other regions.

Small passage with a Heavy Box



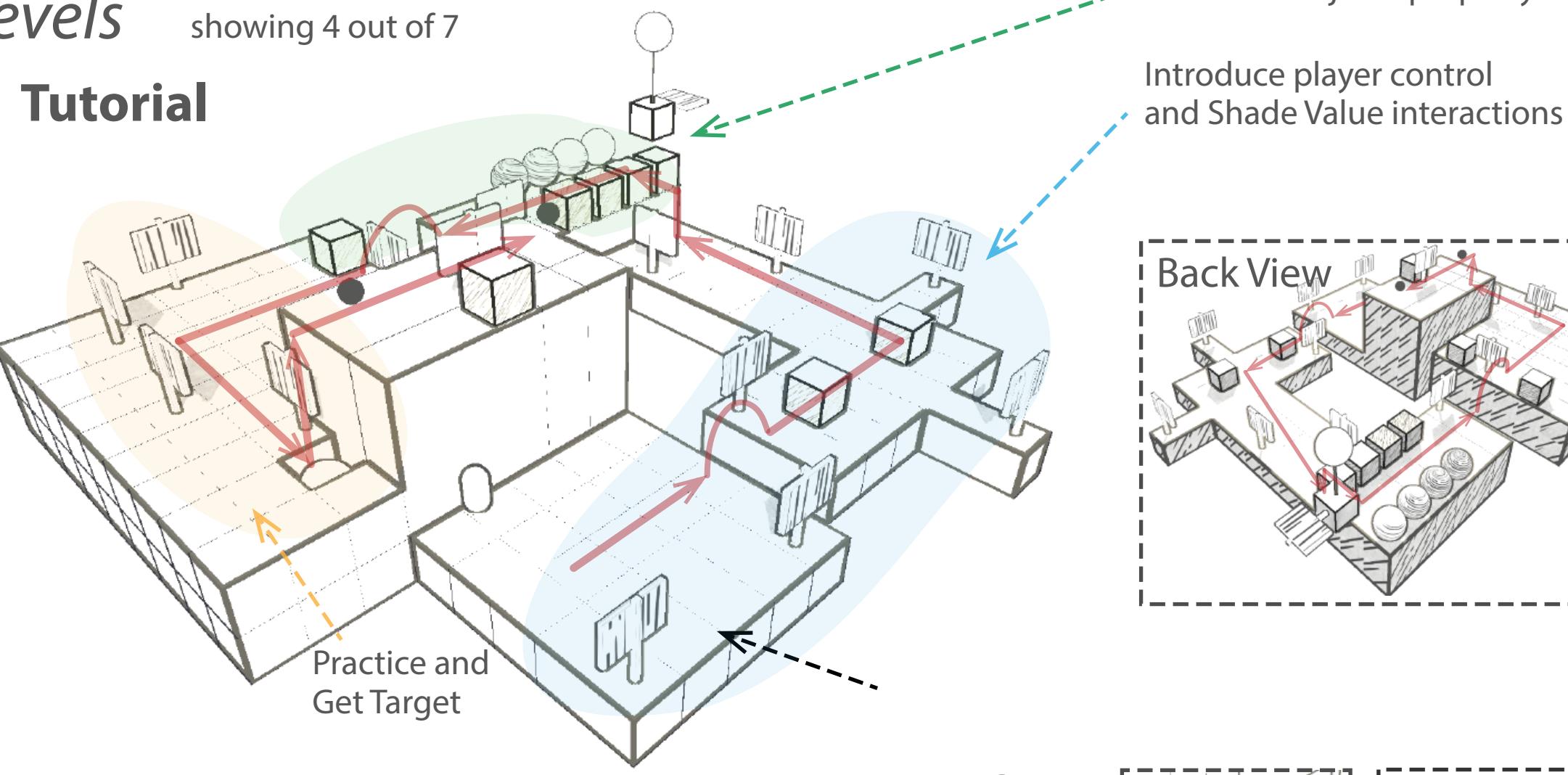
Ray affect Sphere path



Levels

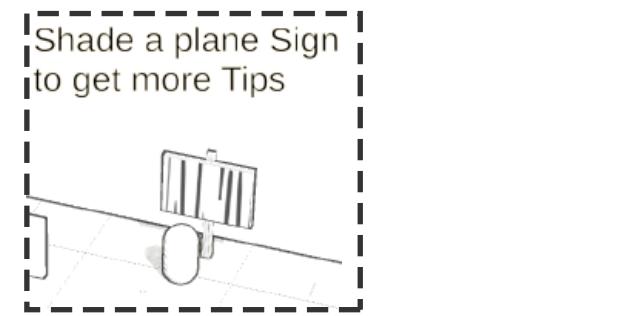
showing 4 out of 7

Tutorial



Player Path

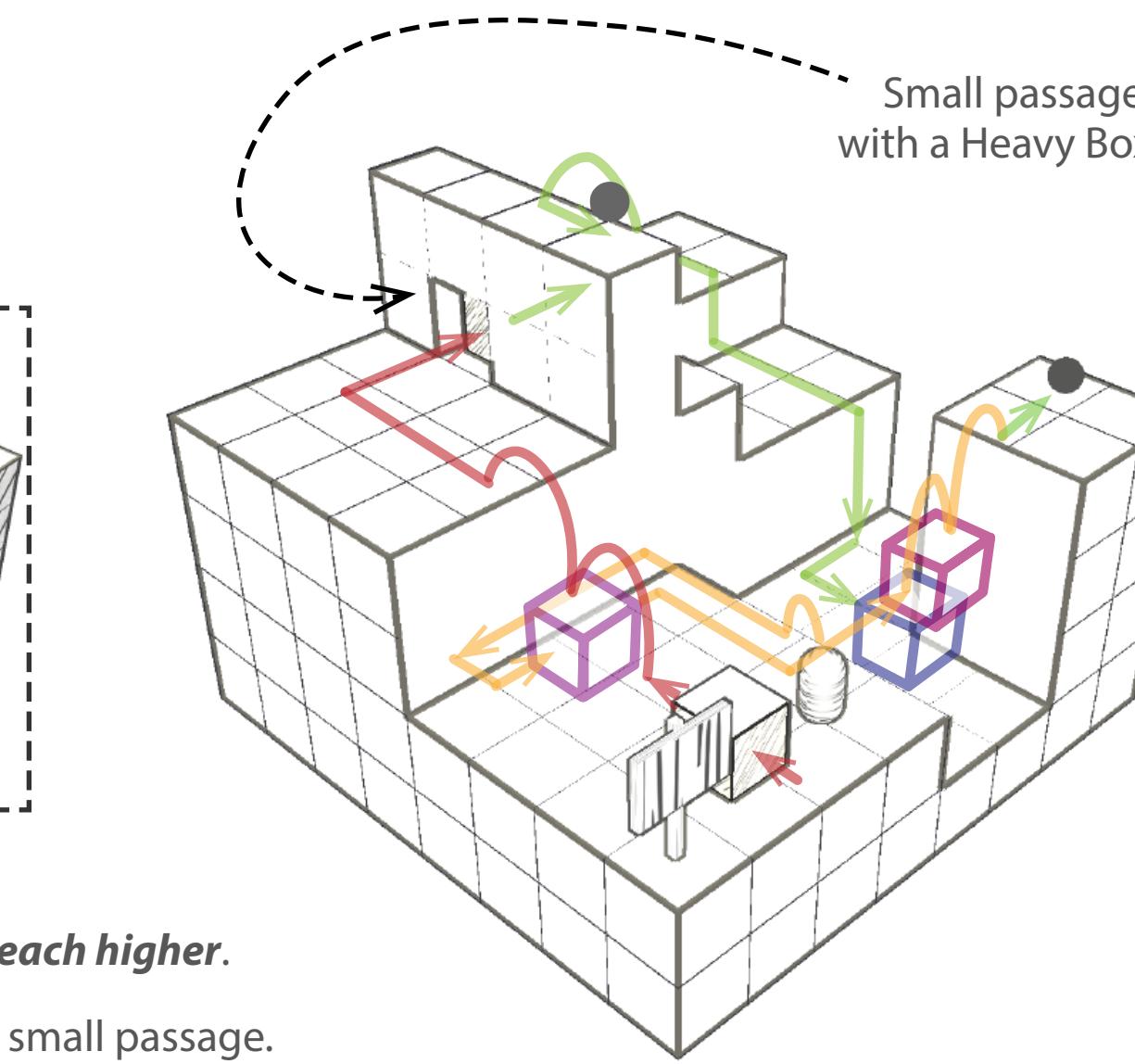
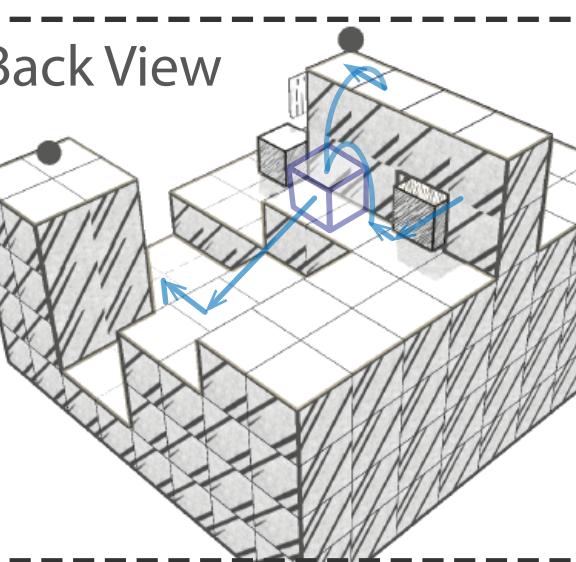
Tutorial Region



cts' property
er control
ue interactions

el 1 Sokoban

s: Height + Shade Lim

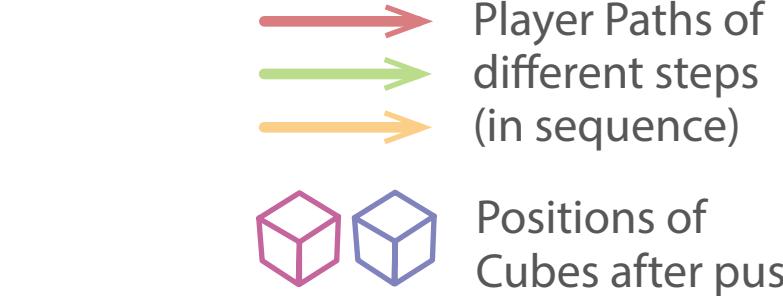


Cubes to right position to *reach hi*

ge shade of the cube in the small p

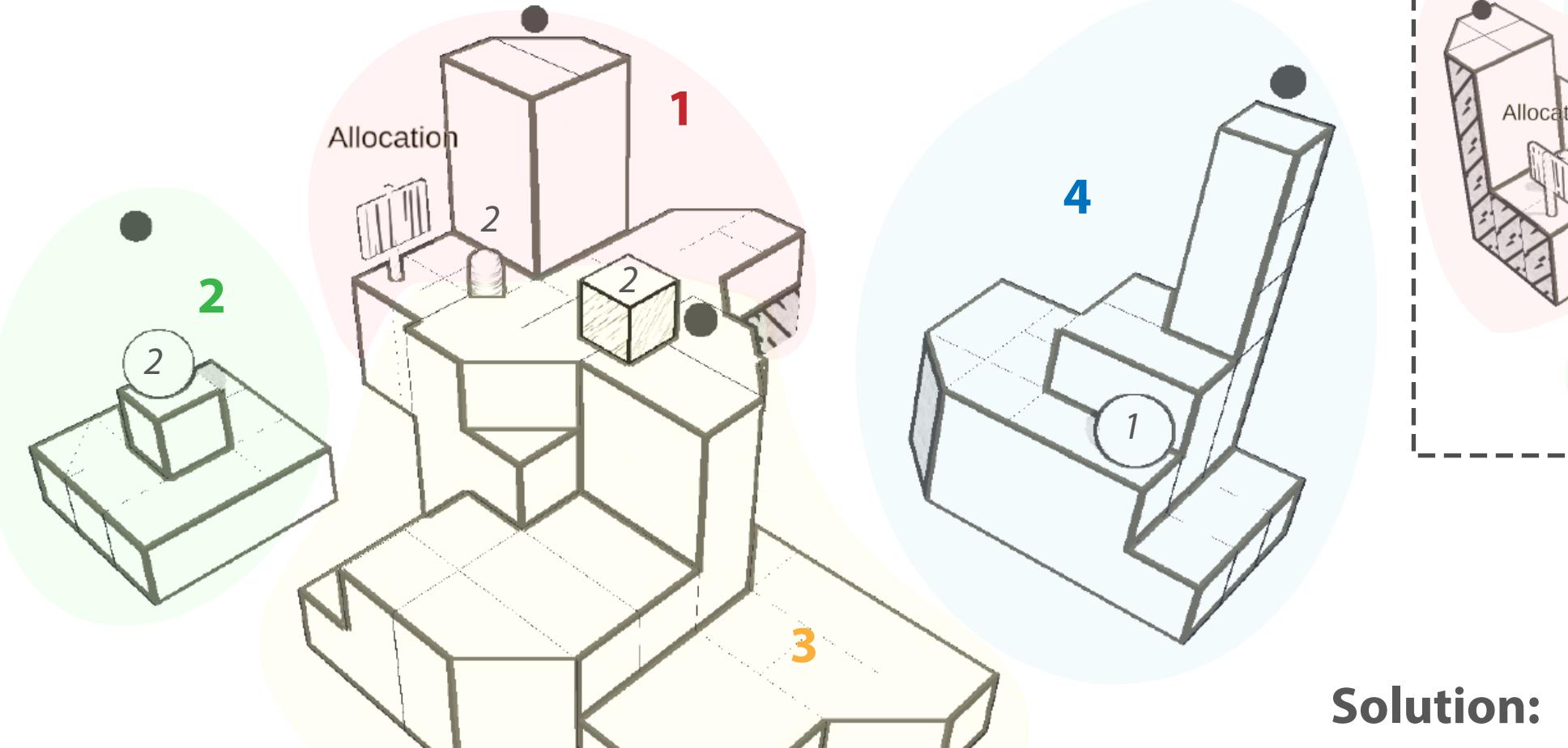
note of ***your own shade value***, to a
n't jump normally high or push aw

Note of the ***Sequence*** of moves



Level 4 Allocate

Barriers: **Shade Limit** + Height + Distance



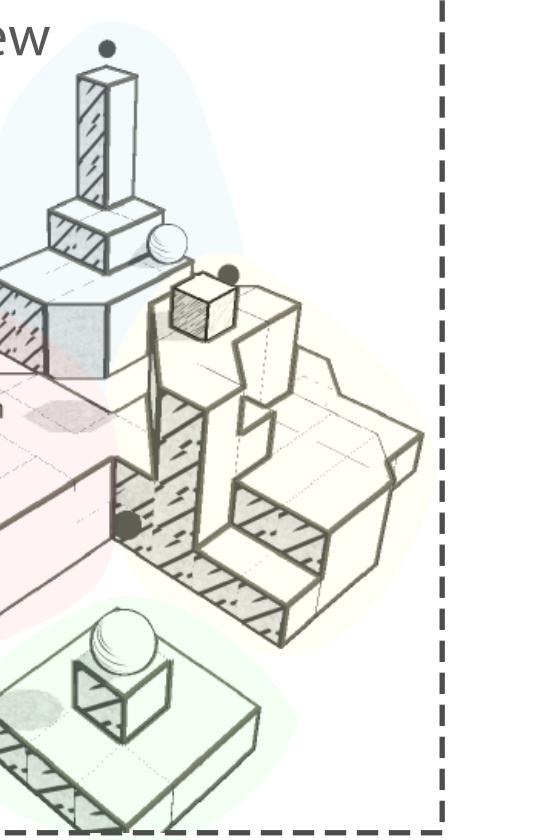
1 2

Level Region

Region Number

Initial Shade Value

1 2



Right View

Solution:

Use **sphere in 2** to reach targets in **1** and **2**.

Use **sphere in 4** to reach target in **4**.

Directly reach targets in **3**.

Shade Values Limit:

4 objects could contain shade value:

Player, **Sphere**, **Cube** and **Sphere**.

Their shade values at the beginning respectively:

2, 2, 2, 1 (a total of 7).

4 **targets** in the level, each provide 1 shade value.

So the **shade values need to be contained** is:

$$7+4 = 11.$$

Theoretically, the shade value capacity is:

$$4+4+4+4 = 16 > 11.$$

However, if targets in region 1,2 or 4 is the last to reach:

(1) the sphere's shade value need be 0 (to float),

(2) and player's shade value need less than 1 (to hang up).

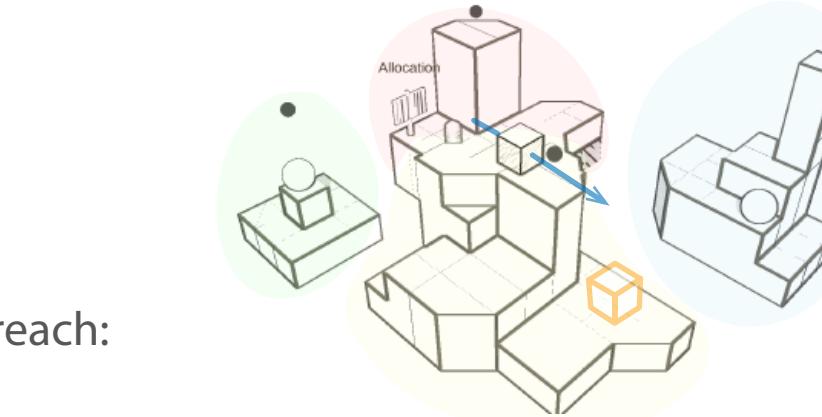
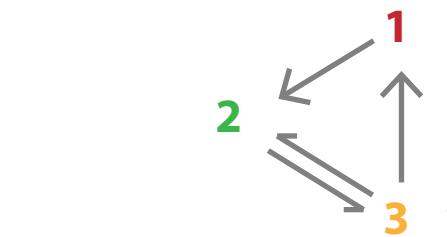
So the shade value capacity now is:

$$1+0+4+4 = 9 < 11.$$

The capacity is lower than the need.

Therefore target in 3 should be the last to reach.

Pass-ability between 4 regions at the beginning, dotted line with arrow for pass by spheres.

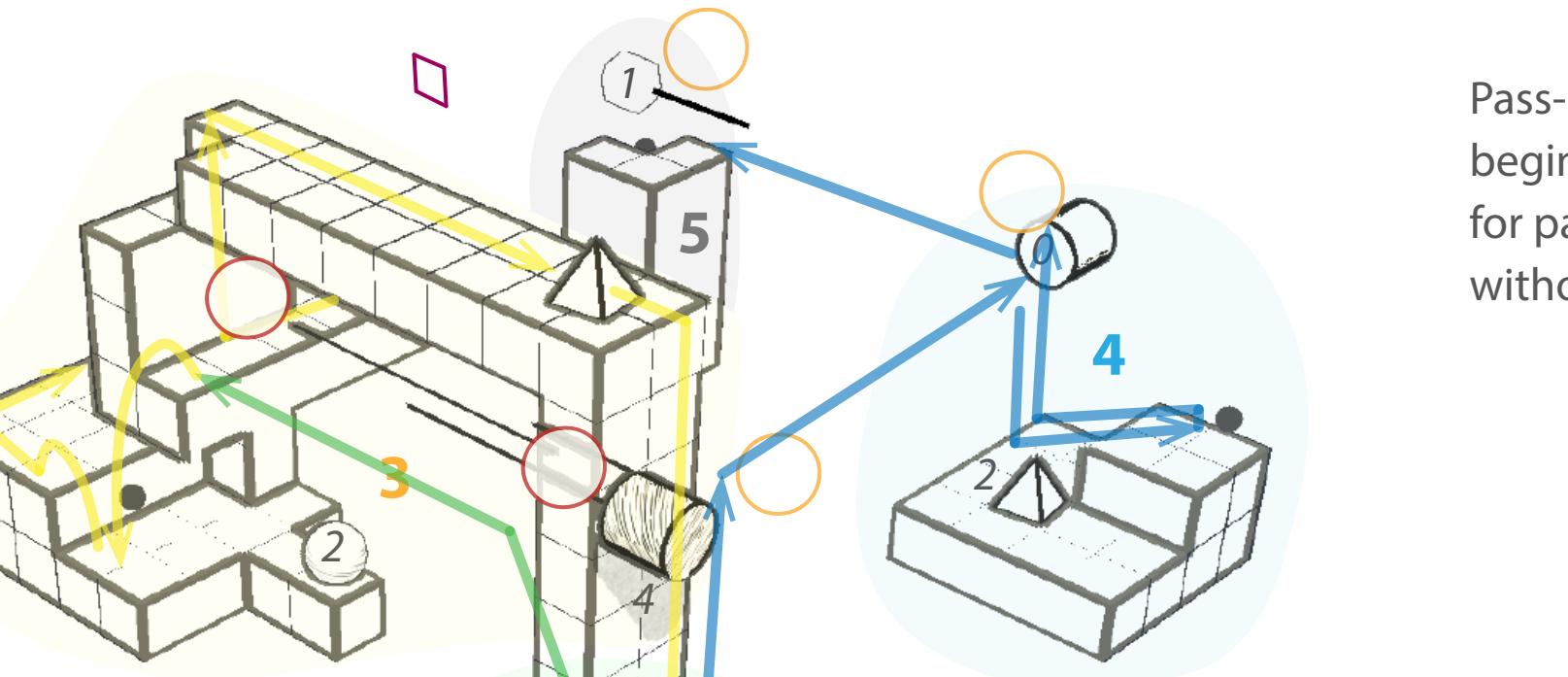
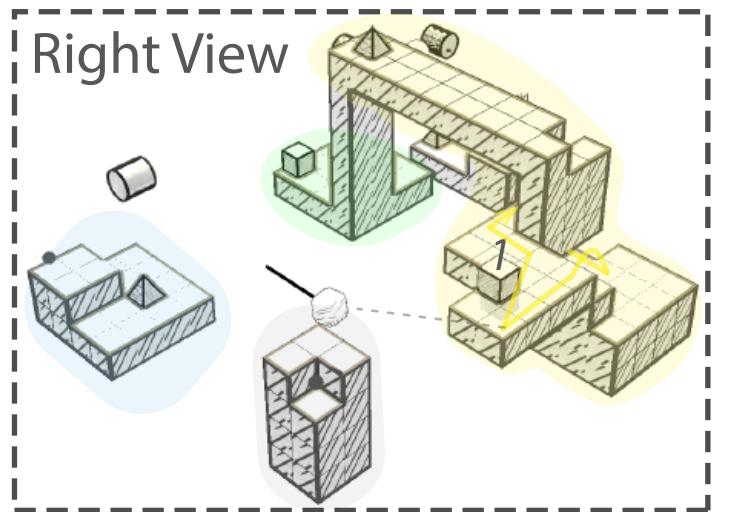


To reach **region 4, Cube in 3** need to be pushed to specific position, in order to be:
(1) container of shade value;
(2) anchor of **Sphere in 4**

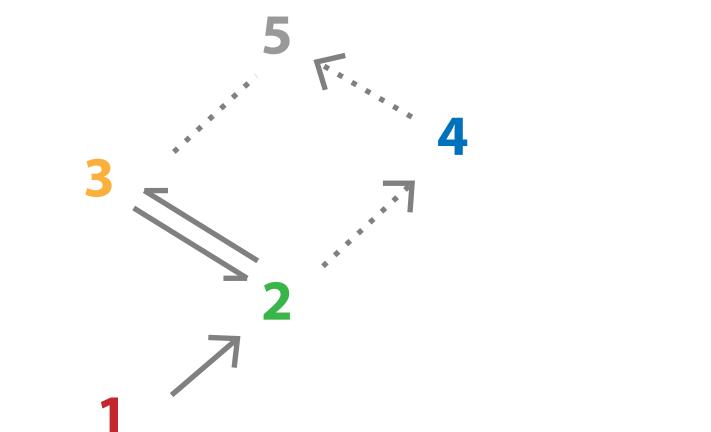
Level 6 Rotating

Barriers: Distance + Shade Limit

- 1 2
- 12
- Level Region
- Region Number
- Initial Shade Value
- Positions of objects after move



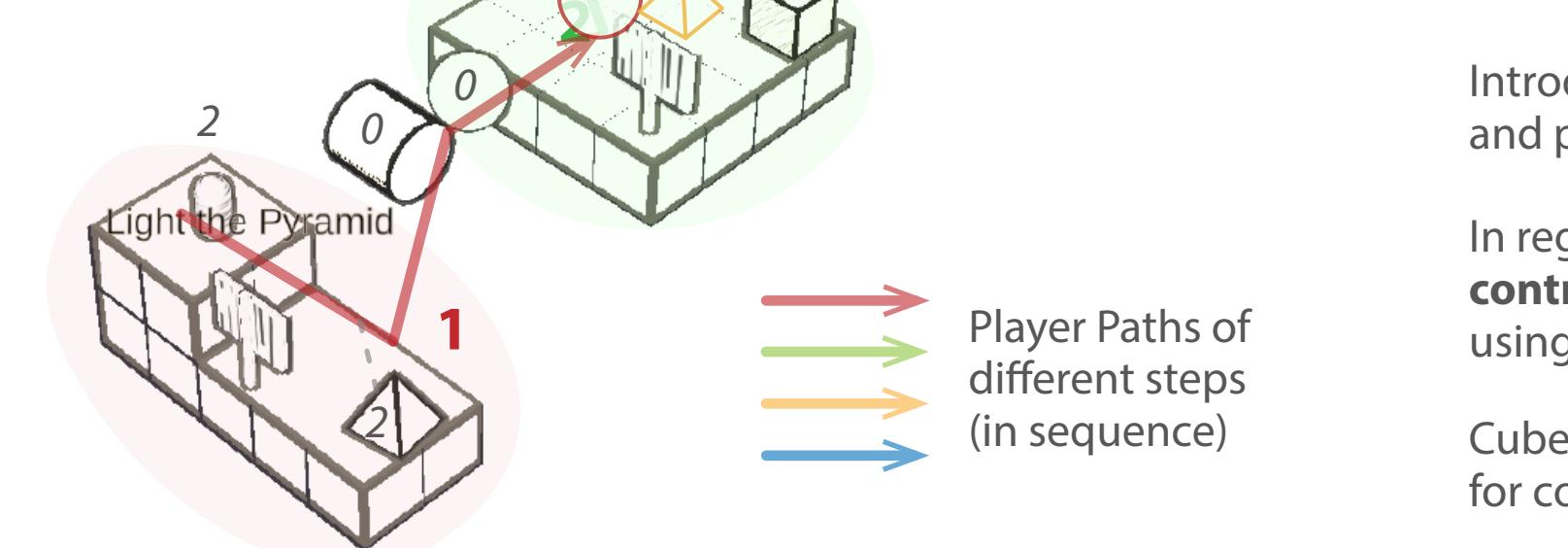
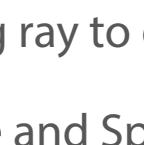
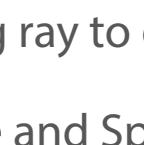
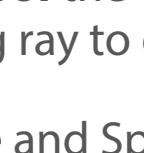
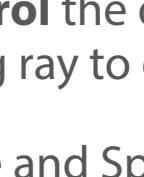
Pass-ability between regions at the beginning. Dotted line with arrow for pass by spheres, dotted line without arrow for only selectable.



Introducing the pyramid in **region 1**, and practicing interactions in **2 & 4**.

In region 3, player need to **remotely control** the dodecahedron in region 5, using ray to give cylinder shades.

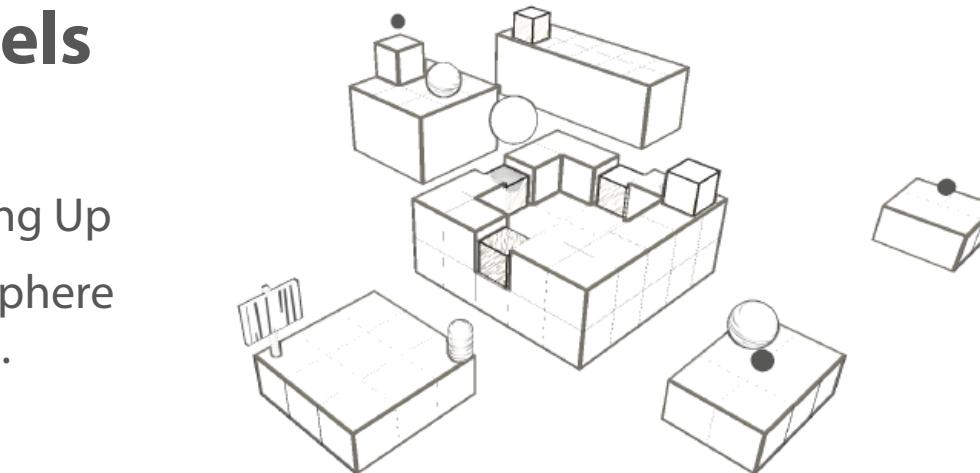
Cube and Sphere in region 3 are used for contain shade values.



Other Levels

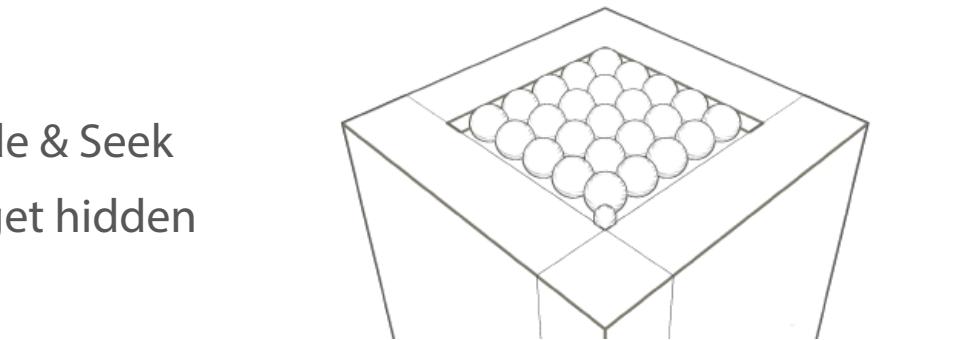
Level 2 Hang Up

Practicing Sphere interactions.



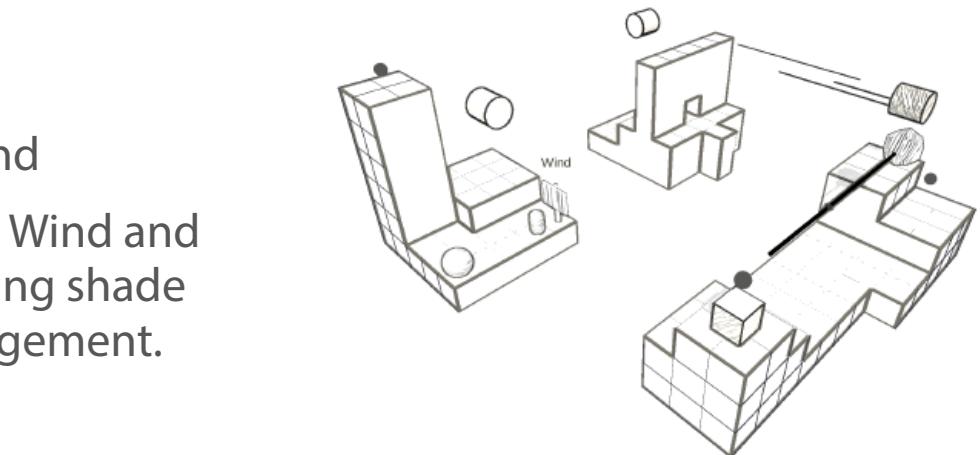
Level 3 Hide & Seek

Find the taget hidden in spheres.



Level 6 Wind

Introducing Wind and Ray, practicing shade value management.



Shader

Sketch Style Shader is referring the famous article
“Real-time hatching”, Praun et al. 2001 on SIGGRAPH.

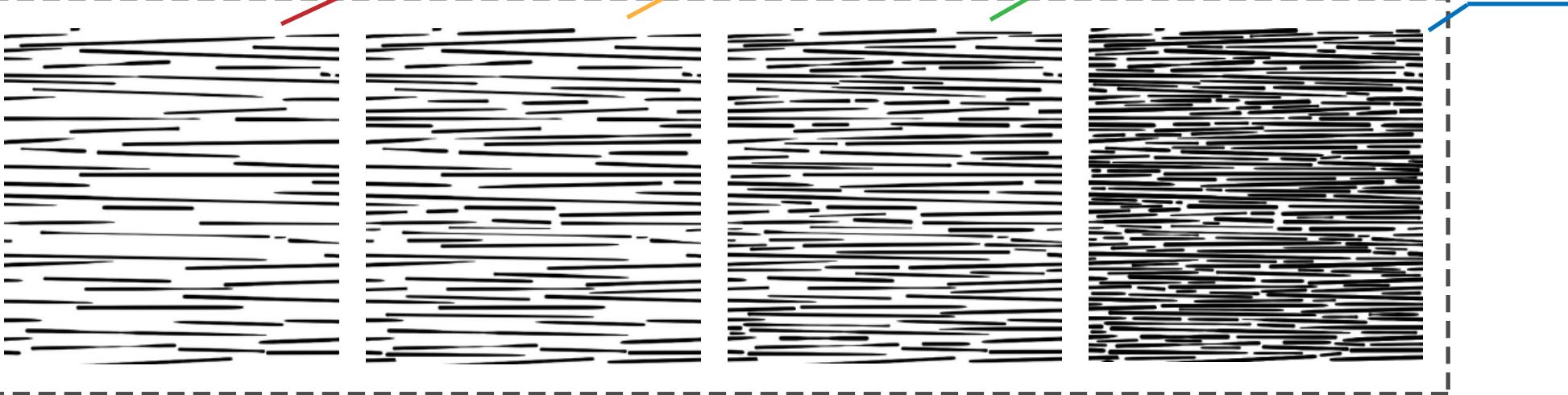
Input

Normal Vector
Main Light Direction

Half-Lambert Lighting

$$\text{Dot Product} \times 0.5 + 0.5$$

Texture Sampling



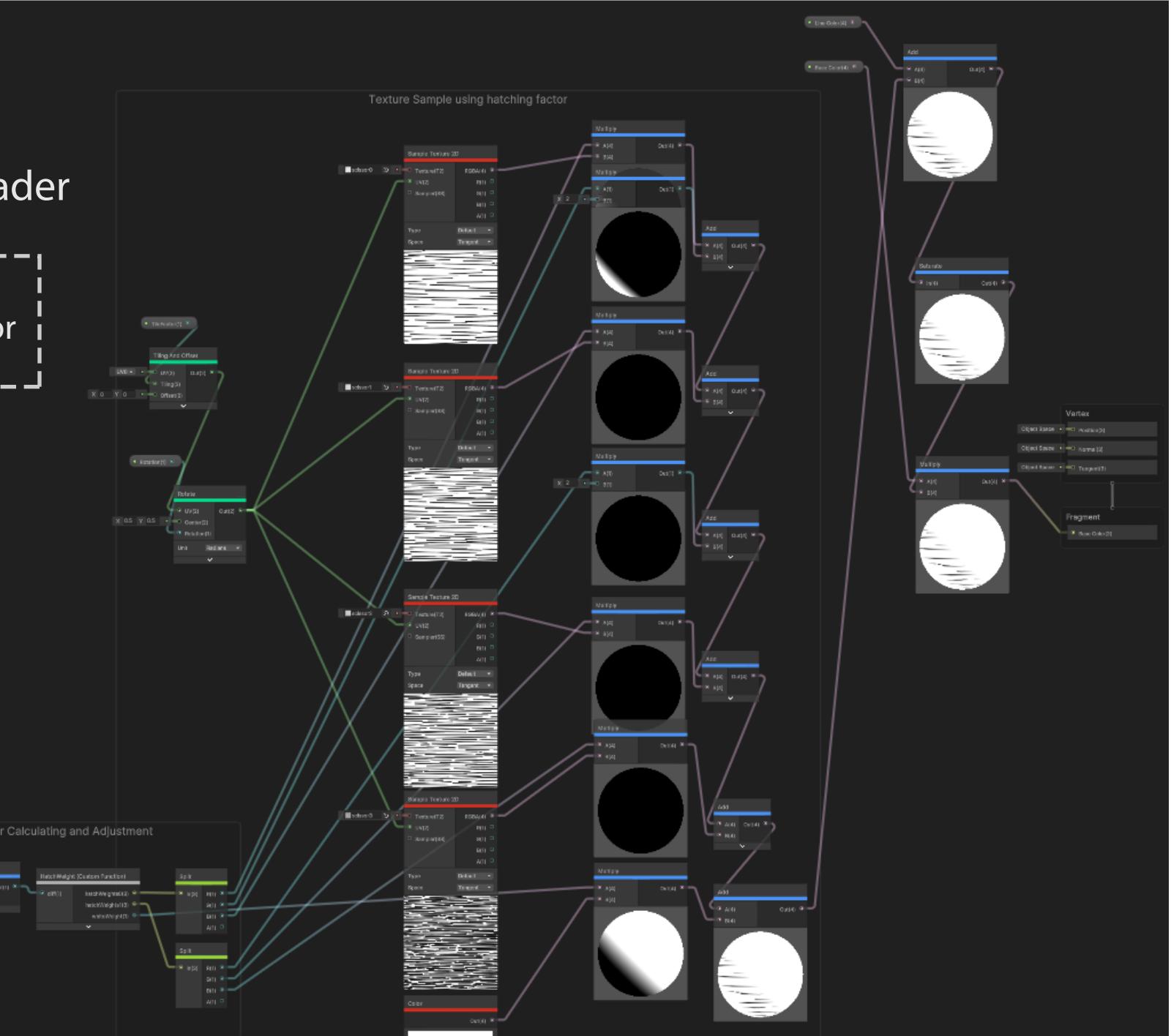
Shading Factor Calculation



Multiple

Add

Base Color





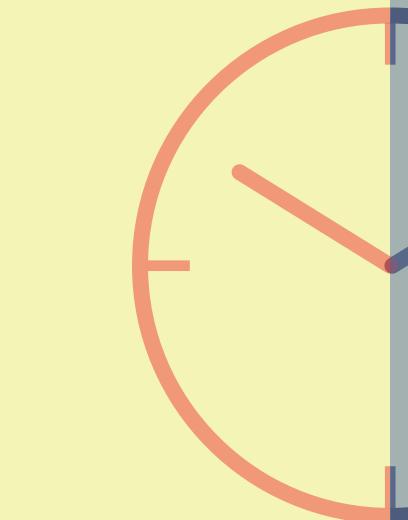
A 2D platformer with
10 seconds limit

Ludum Dare 51
Every 10 Seconds

Jam version on ldjam.com

A puzzle game with
a Time Shadow

traveling back
Every 10 Seconds



Update version on itch.io

Introduction

In this multi-timeline game, player will control a ignited bomb to get to target before explosion.

Player would finish a level within several well-planned explosion with its helpful time shadow.

Each level is a challenge in both action and puzzle.

Rules

 You have **10 seconds** to reach the **Target** before you **explode**.



There are **doors** blocking your way.
Step on their **buttons** to keep them open.

You will reborn after explosion.
A **shadow** of you will repeat your last path.



Shadows clone your paths.
They won't be blocked by doors
but could step buttons for you.

Game View



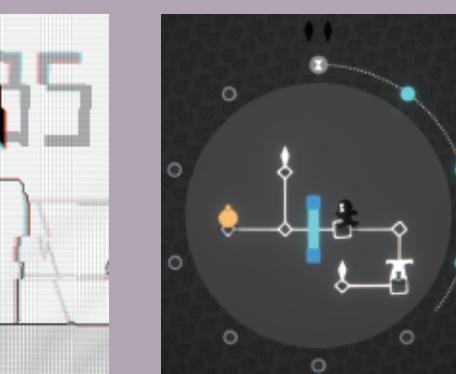
Inspirations



Braid



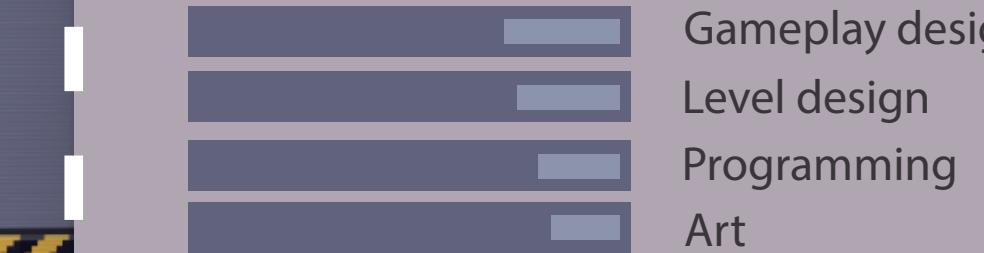
Retro Rift



Glich Loop

Contributions

in a team of six.



- Gameplay design
- Level design
- Programming
- Art

Details of gameplay was discussed collaboratively;
I delivered an overall analysis of level structure
and designed 2 levels.

I wrote the codes of game manage and UI event,
and presented the particle and screen effect.

Illustration

Button & Door

Keep stepping to open

Player

Step 1



Shadow

Step 1



Step 2



Step 2



Step 3

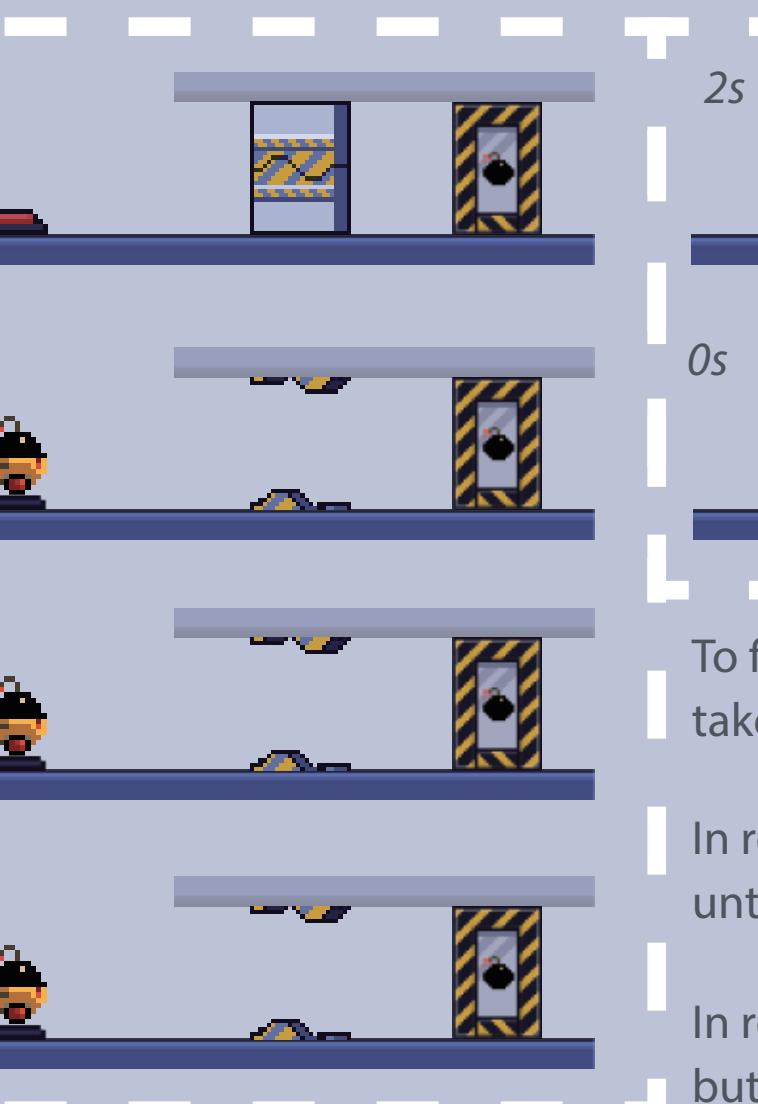


Step 3

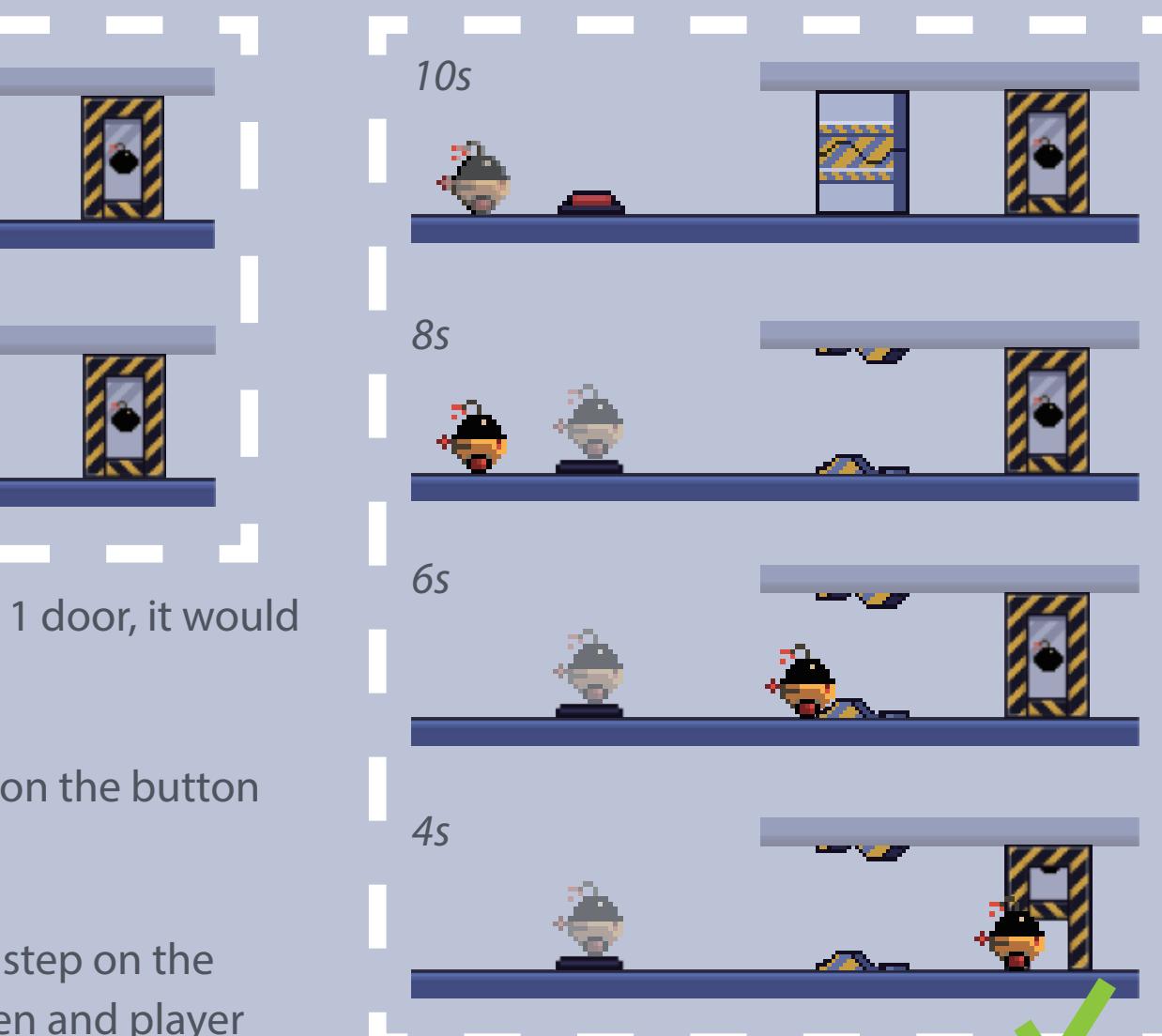


How to pass a Door ? *The Basic Solution*

Round 1



Round 2



To finish a simple level with 1 door, it would take 2 rounds.

In round 1, player standing on the button until explosion.

In round 2, the shadow will step on the button, the door will be open and player could pass.

Level Structure

How many basic structures?

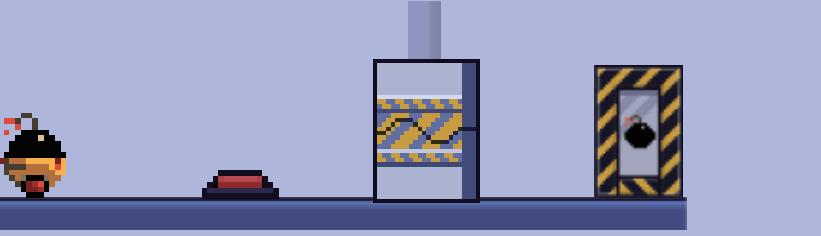
Essentials of a level: player , target  (and barrier: )

Case 0, No Button & Door



Structure 1

Case 1, One Button & Door



Structure 2

Door block the path.

No solution

Button have to be outside the door.

Case 2, Two Button & Door

Following out logic in Case 2, there are 2 questions we should consider:

Does a Door block the path to Target? & Is a Button outside a Door?

There are also some preconditions to make the door and level meaningful:

- (1) The 2nd Door must block the path to Target.
- (2) The 1st Button must be outside every Door;
the 2nd Button must be outside the 2nd Door.

Thus the situations for 2 questions are:

The 1st Door **BLOCK**
the path to Target.

it must block 2nd Door

The 1st Door **DON'T BLOCK**
the path to Target.

it must block something



The 2nd Button
Inside 1st Door.



The 2nd Button
Outside 1st Door.



Structure 4

Structure 5

1st Door block nothing, not a new structure.

Level Structure

Solutions

Solution for **Structure 1** is direct.

Solution for **Structure 2** was the *basic solution* illustrated above.

Structure 5 is similar to **Structure 2** and has same solutions.

Here we focusing on **Structure 3** and **4**:

Structure 3

Round 1

Step 1



Step 2

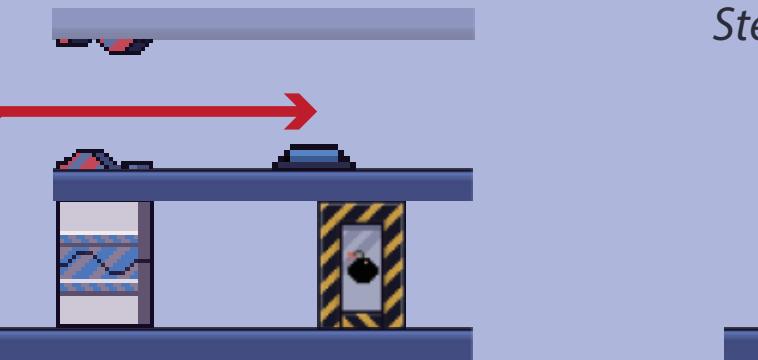


Round 2

Step 1



Step 2

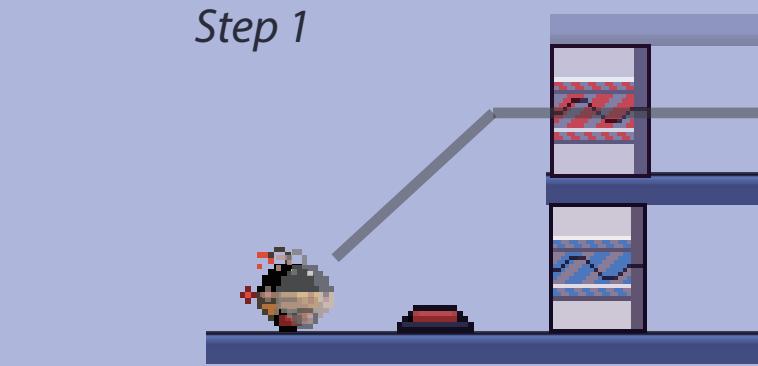


Step 3

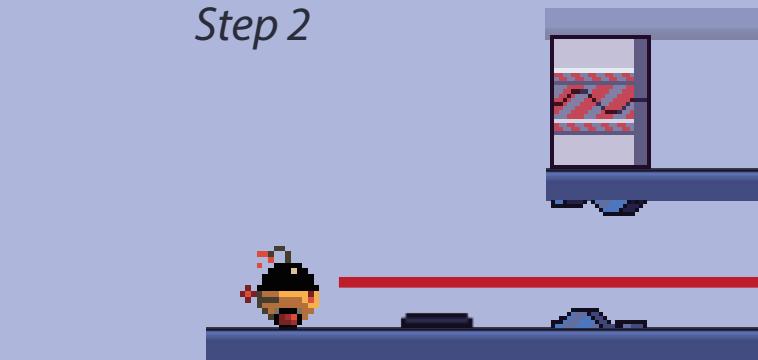


Round 3

Step 1



Step 2



Step 3



Solution of **Structure 3** could be understand as two successive “*basic solution*” processes.



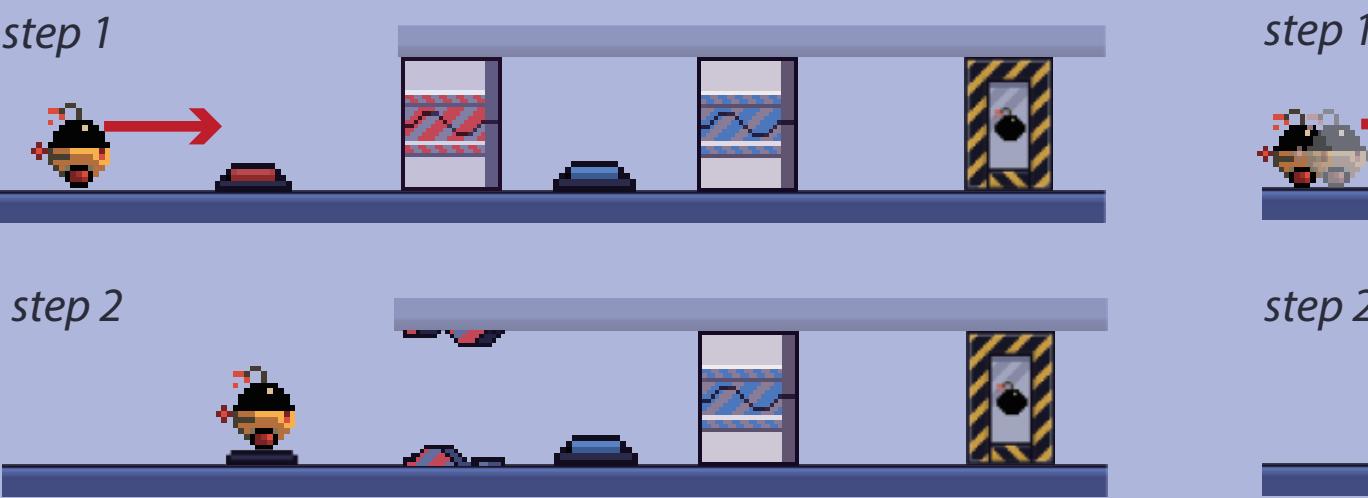
Round 2 is the overlap of both process, when both shadow and player were stepping on buttons.

An example of **Structure 2** in our game is level 5.



Structure 4

Round 1



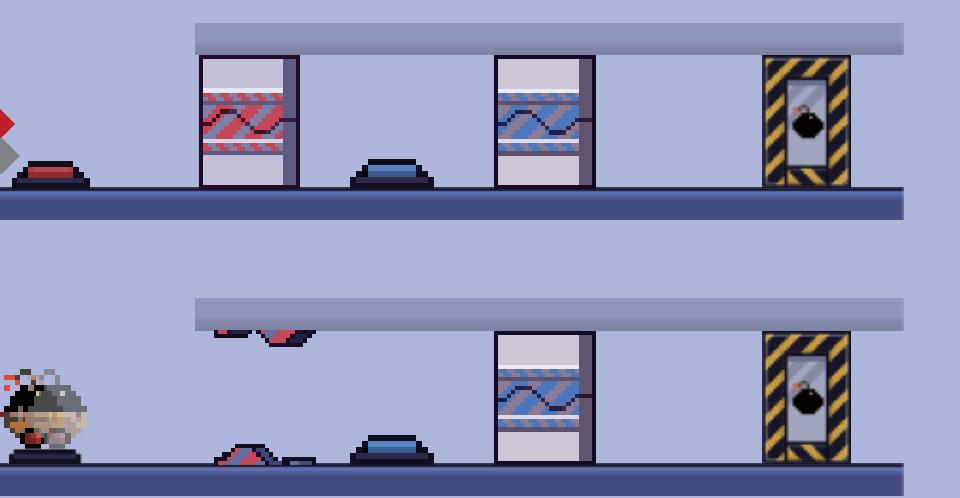
An example of Structure 2 in our game is level 6.



The Player's **waiting** in round 2 step 2 is the key.

Player could pass through the first door in round 3 only when he did this waiting in round 2.

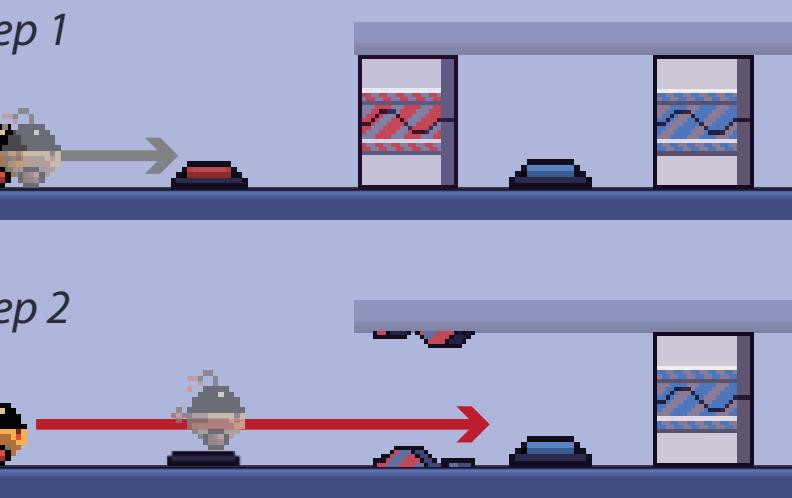
Round 2



The Player's **waiting** in round 2 step 2 is the key.

Player could pass through the first door in round 3 only when he did this waiting in round 2.

Round 3



step 3



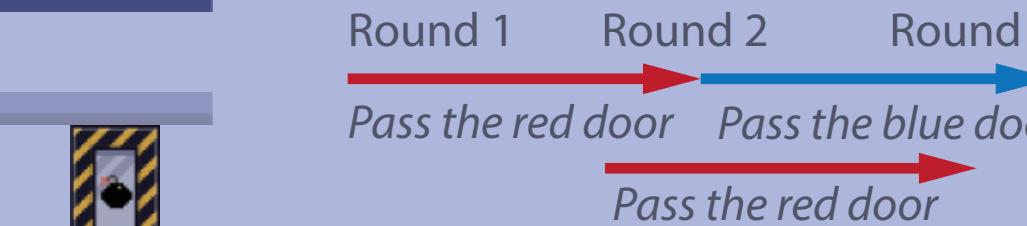
step 4



step 5



Solution of Structure 3 could be understood as three "basic solution" processes.



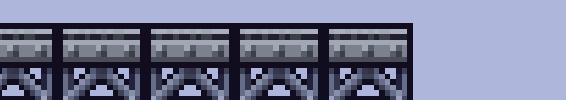
There is still a successive relationship as above. And the 3rd process started early in round 2.

In round 2, player have to step on both buttons successively. The time of stepping on each button will be depended on level specifics.

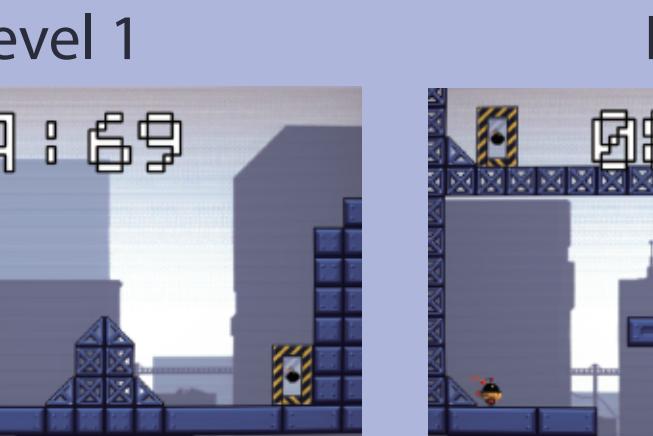
Levels

We delivered 10 levels during LD51. We only used at 2 two Button & Doors in our levels. Reasons are:

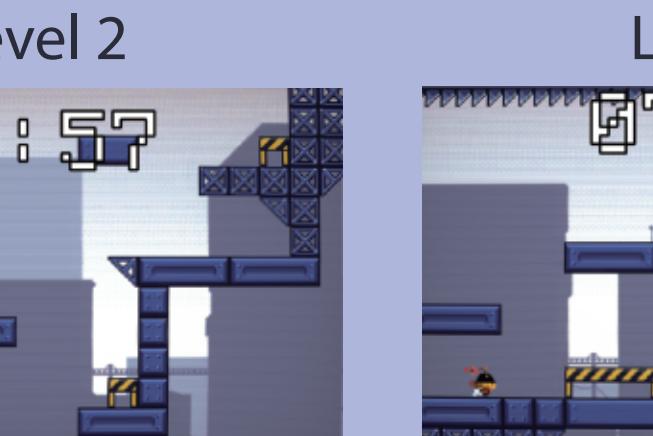
- (1) Player could only affect 2 buttons at the same time with only 1 shadow. Because of this, structures with more button & doors are basically combination of and nesting of structure 3 & 4, and their solutions will be cumbersome and repetitive.
- (2) Only 10 seconds of one round. Too many operations would be difficult in a round.
- (3) Don't take too many rounds. More rounds means more mistake opportunities and more repeat to finish level.



By bringing in small mechanisms like *spike*, *crumbling platform* and *moving platform*, we presented levels with more challenges on acting and timing.



Structure 1
Introducing Move and Target



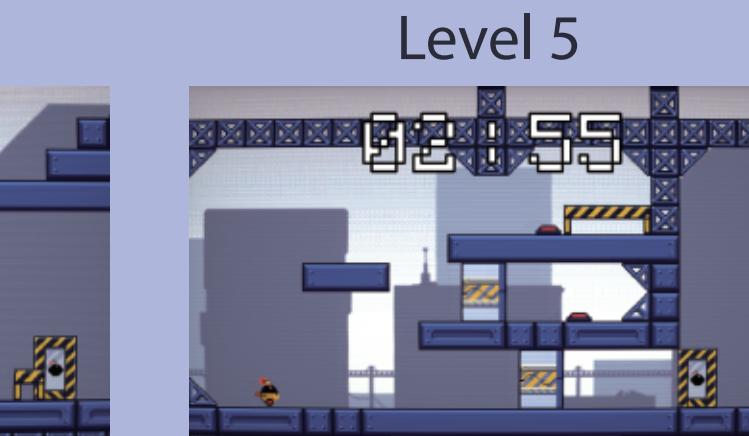
Structure 1
Practicing



Structure 2
Introducing Shadow, Button & Doors



Structure 2
Practicing



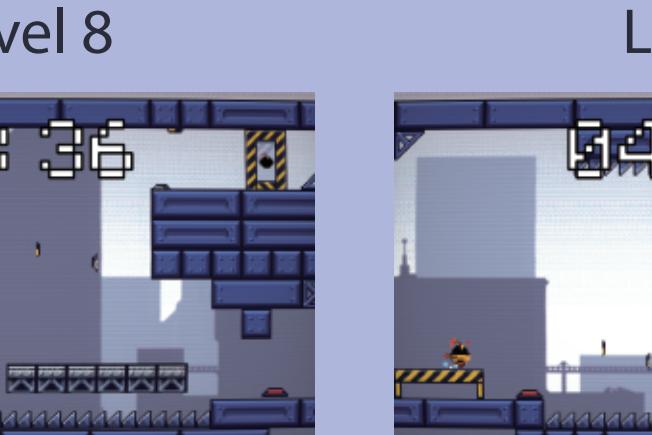
Structure 3
Introducing Two Button & Doors



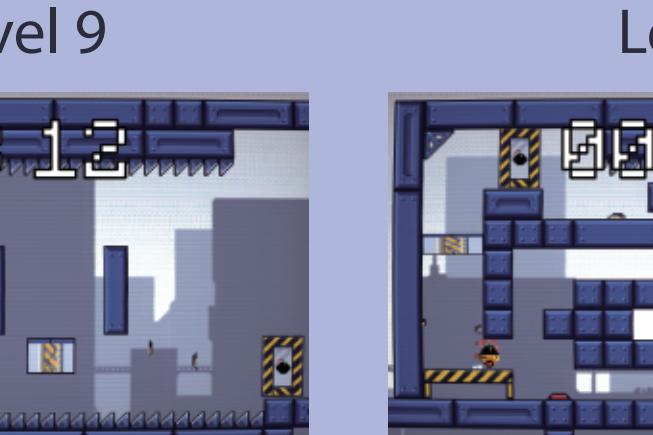
Structure 4
Developing



Structure 3
Practicing



Structure 3
Developing Challenge in Jump



Structure 3
Developing Challenge in Timing

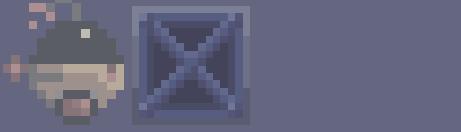


Ending
Challenge in Timing

After Jam

After LD51, we adjust levels' arrangement and reduced previous levels to 8 as the first division.

We introduced a new mechanisms, **Shadow Box**, and bring 4 new levels as the second division.



The Box could also generate a shadow repeating its path in last round. Both box and its shadow could affect button.



Now player could affect at most 4 buttons at the same time, which brings us more possibilities of level design.

Level 2-1



Level 2-2



Besides generating time shadows, box also have other functions:

as a stepping stone:

- (1) for player jump higher: level 2-2
- (2) blocking Spikes: level 2-1, level 2-2



Level 2-3



Level 2-4



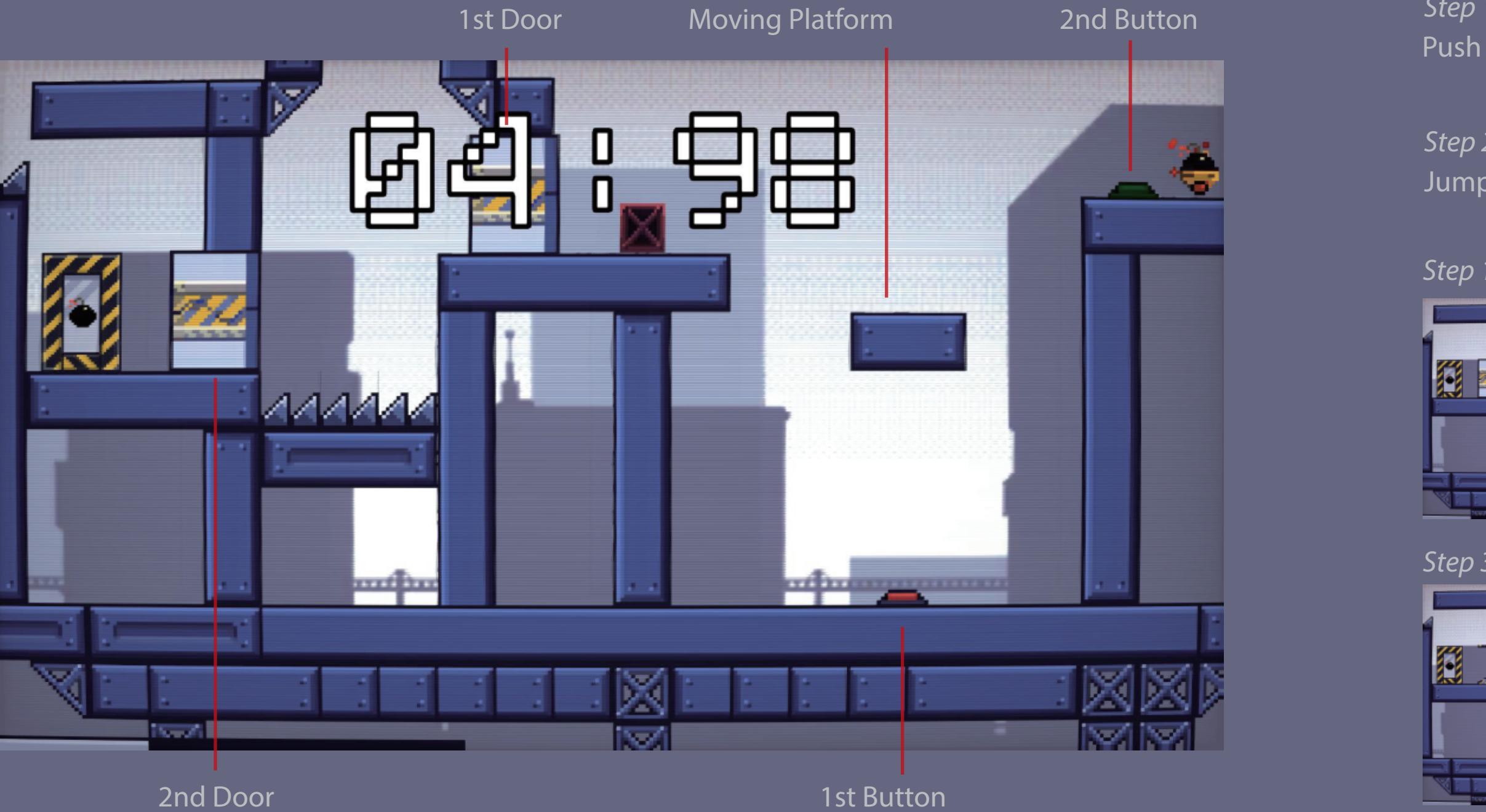
or go to places player can't go or can't get back:

- (3) Passing through Spikes: level 2-2, level 2-3
- (4) Going deep down: level 2-1, level 2-4



I designed level 2-1 and level 2-4.

Illustration of level 2-1: challenge in timing and jumping.



Round 1

Step 1
Push Box to 1st Button.

Step 1

Push Box to 1st Button.

Step 2

Jump back to step 2nd Button.

Step 1

Box shadow press 1st Button.

Step 2

Push Box through 1st Door;
Box land on the Spikes;
Jump on Box.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.



Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

Step 2

Box shadow press 1st Button.

Step 3

Player Shadow step on 2nd Button.

Step 4

Reach the Target.

Step 1

Push Box to 1st Button.

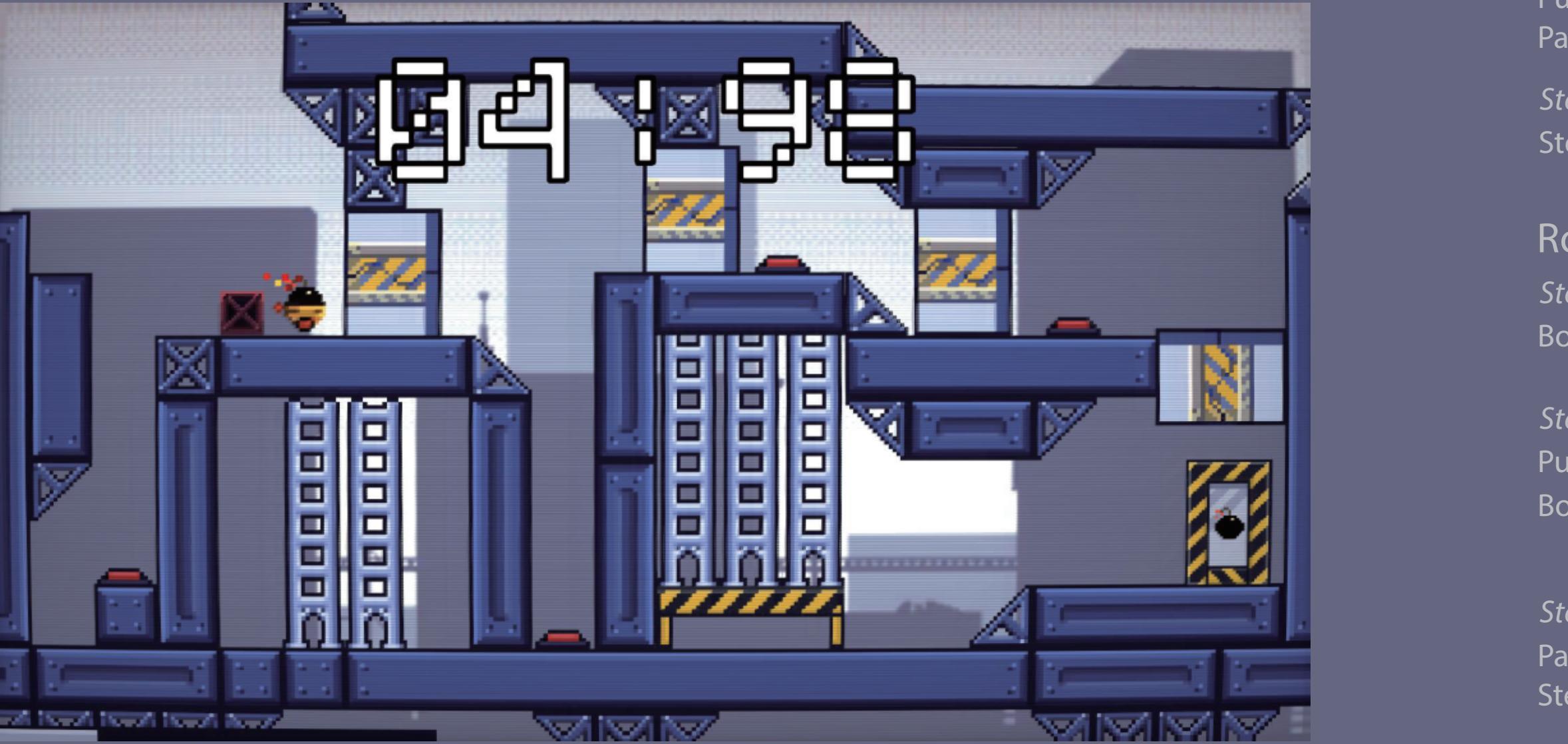
Step 2

Box shadow press 1st Button.

Step 3

<p

Illustration of level 2-4: challenge in puzzle solving



Buttons and doors are arranged in order from left to right.

Round 1

Step 1

Push Box to 1st Button;
Pass through 1st Door.

Step 2

Step 2nd Button.

Step 1



Step 2



Round 2

Step 1

Box shadow press 1st Button.

Step 2

Push Box through 1st Door;
Box Land on 2nd Button

Step 3

Pass through 2nd Door.
Step on 3rd Button.

Step 1



Step 2



Player could step 1st Button in
Round 1.
The purpose of first 2 rounds is
to let player reach 3rd Button.

Round 3

Step 1



Push Box to land on 1st Button.

Step 2



Box Shadow land on 2nd Button;
Pass 1st and 2nd Doors.

Step 3



Step on 3rd Button, and wait;
Shadow Step on 3rd Button.

Step 4



Pass through 3rd Door;
Step on 4th Button.

In round 3, all four objects (player, player's shadow, box and box's shadow) are stepping on a button.

The movements in round 3 and 4 are basically certain, because the 1st and 2nd buttons have to be pressed by box and the 3rd and 4th buttons can only be stepped by player.

The waiting in step 3 of round 3 is similar as the waiting in *structure 4*. After solving previous levels, this obstacle won't be too complex for players.

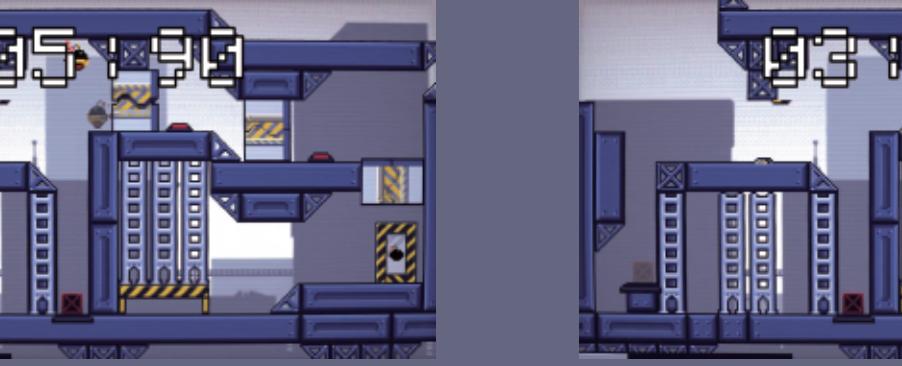
Round 4

Step 1



Shadow Box land on 1st Button.

Step 2



Pass through 1st Door;
Push Box to land on 2nd Button;
Pass through 2nd Door.

Step 3



Shadow Step on 3rd Button;
Pass through 3rd Door.

Step 4



Shadow Step on 4th Button;
Pass through 4th Door.



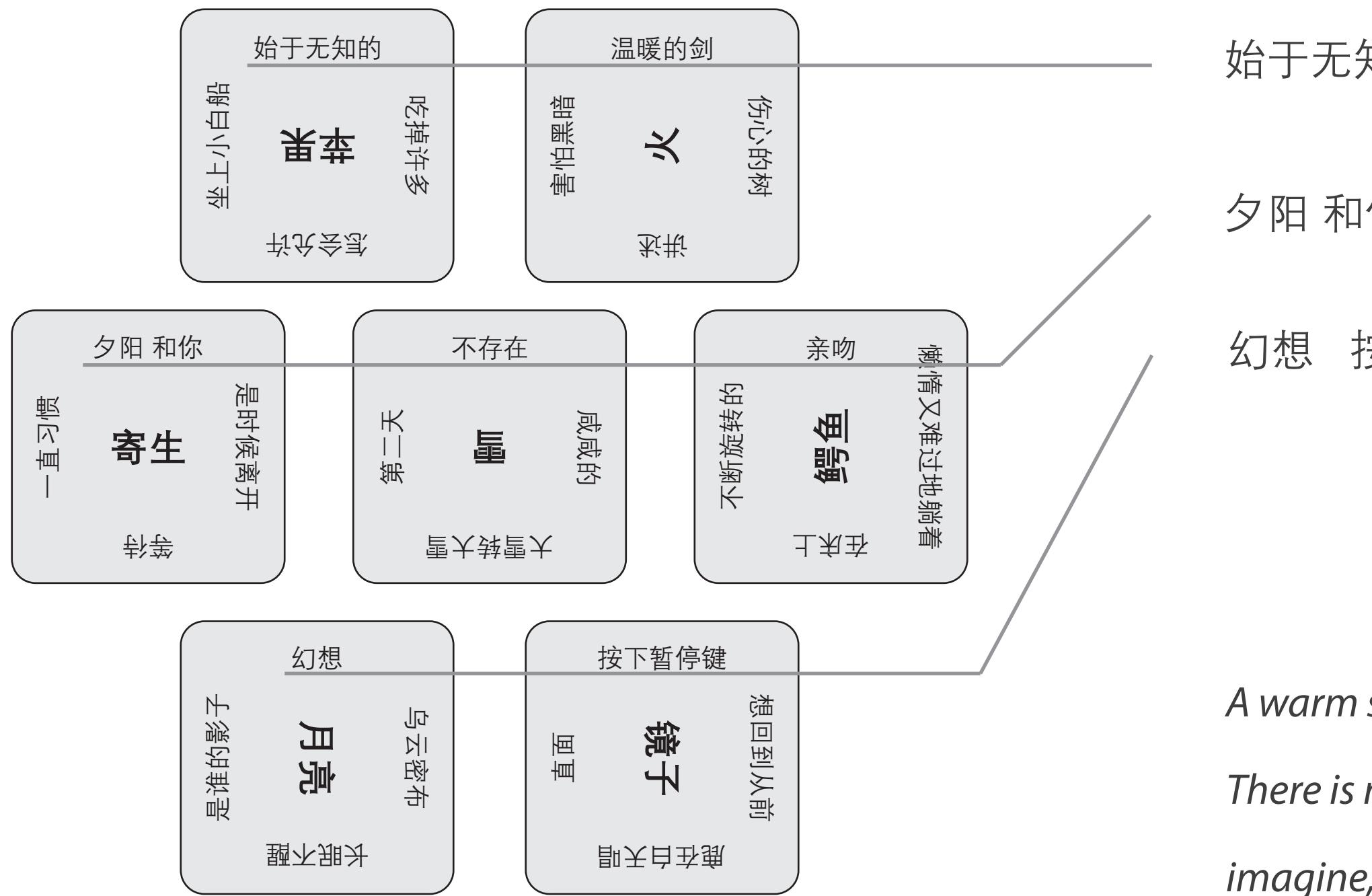
Level 2-4 is our only level
requiring 4 rounds to finish.
Thus we kept other elements in
level 2-4 to be simple.

Rose and Poem

玫瑰与诗：动物园

A print & play card game To write and guess a poem

<https://xiu0922koway.itch.io/rose-and-poem>



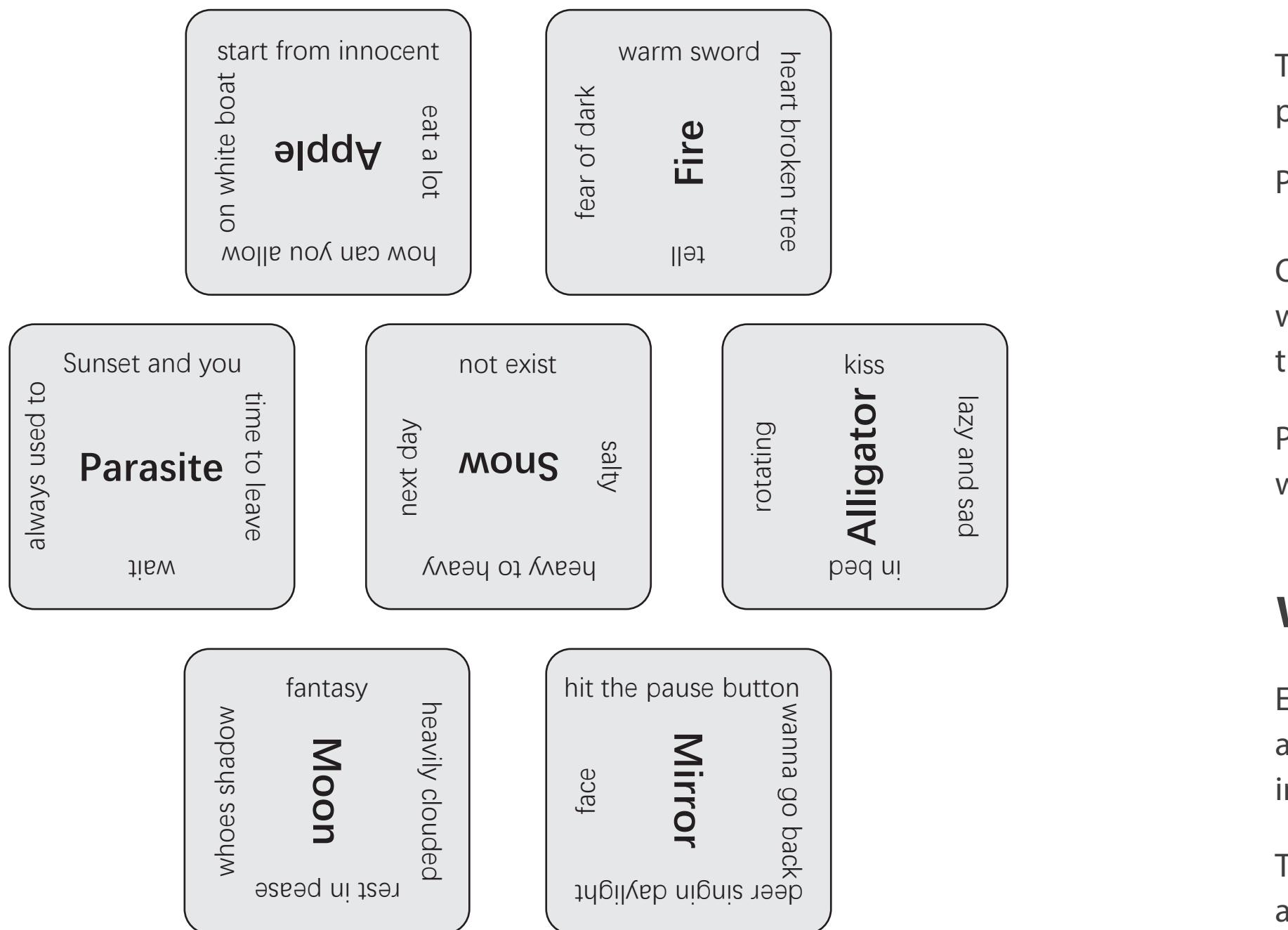
的 温暖的剑

不存在 亲吻

下暂停键

*word from innocence.
o sunset no you. Kiss,
it the pause button.*

Translation of cards above



Introduction

This game is about writing and interpreting poems with a certain corpus.

Play time: 10 ~15 min Player: 2

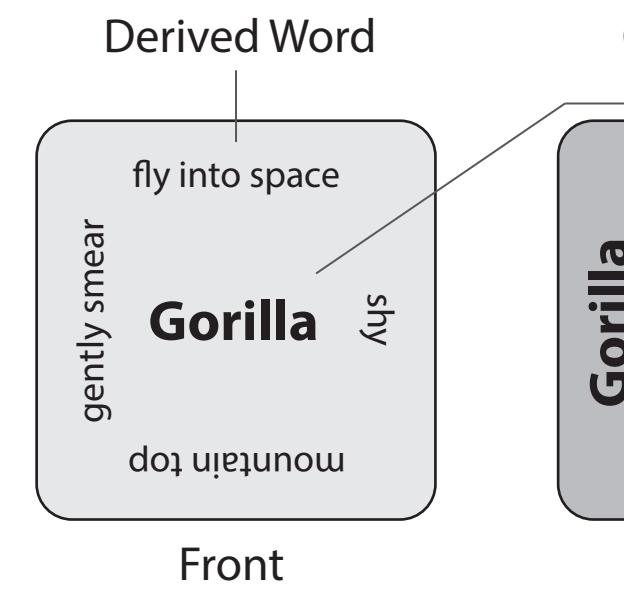
One player will use these square cards to write a poem, the other player will guess the specific words and phrases.

Pepare 2 sets of cards to play. The 2nd set will be the reference for guessing.

Word Cards

Each card has a **Central Word**, representing a core image, and four **Derived Words** relating to its central image.

There are 30 cards in the game. 15 cards are about animals, like gorilla, rhino and cat.

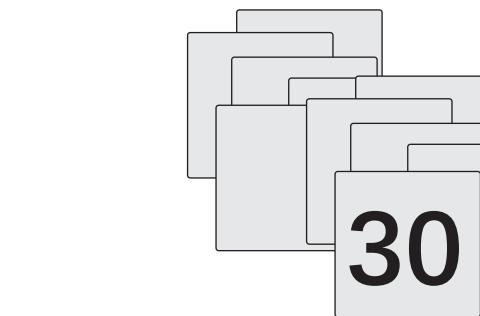


Usage

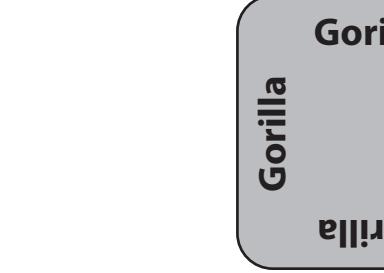
To use a central word in poem, please place the card with the back face up.

To use a derived word (or phrase), please place the card with the front face up, and rotate the card until the derived word is facing forward.

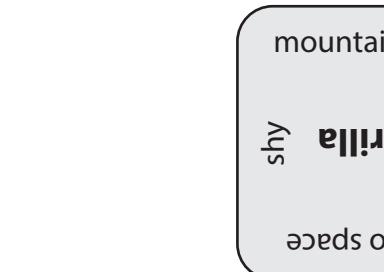
A set of cards



Use Gorilla



Use Mountain Top



Inspiration

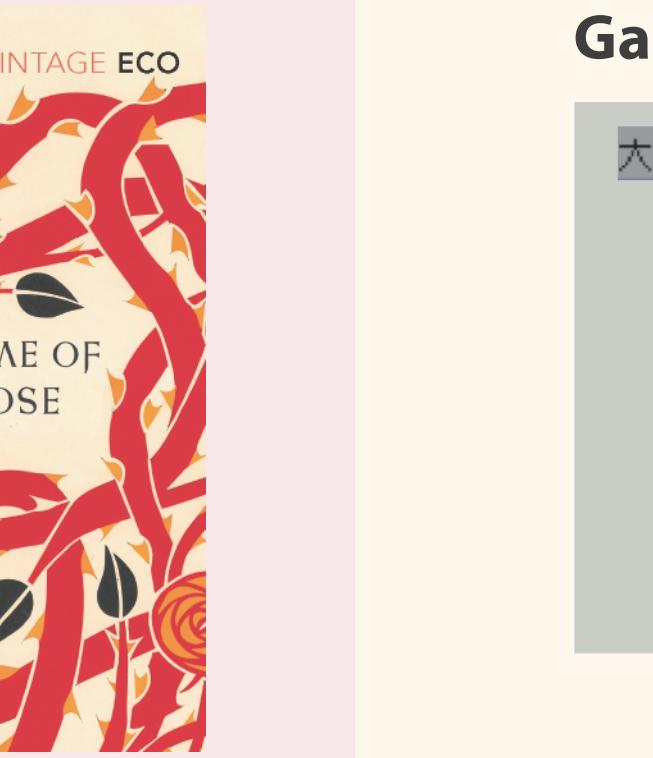
From Saussure's "arbitrariness of sign" to Derrida's "instability of meaning", the uncertainty of interpretation has been widely discussed.

In *Interpretation and Overinterpretation*, Umberto Eco limited this uncertainty by proposing the idea of *intentio operis*, the intention of the text.

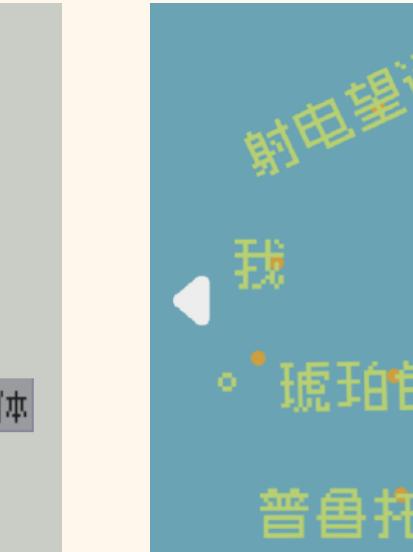
In this game, I tried to represent the intention of the Central Word with four Derived Words, as a simulation to both creating and interpreting.

Interpretation from a much wider semantic field is now transformed into guessing from four (weakly or strongly) related words or phrases, which could have more potential interpretations. This transformation gives guessing more fun.

The name of the game is also inspired by Eco's work, *The Name of the Rose*.



Games about poem writing:



Make a Poem



詩心引力



射电望远镜

我

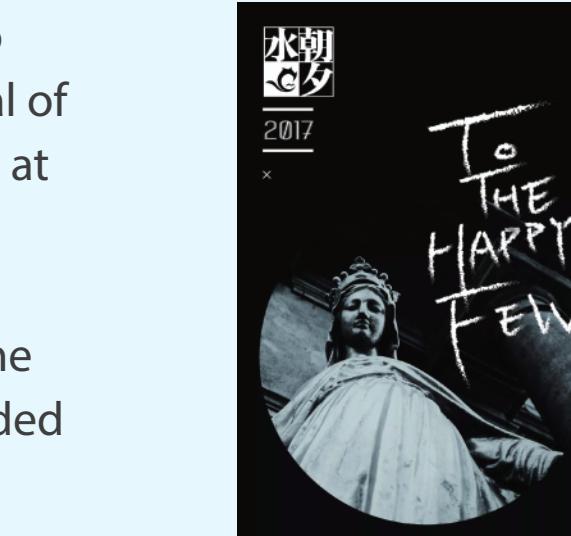
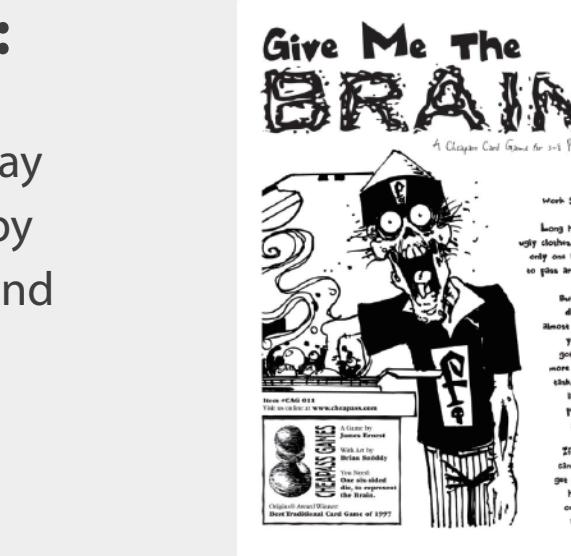
琥珀色的

温暖的家

普鲁托的心

Print & Play games:

Idea of present a print & play board game was inspired by the work of *James Ernest* and his *Cheapass Games*.



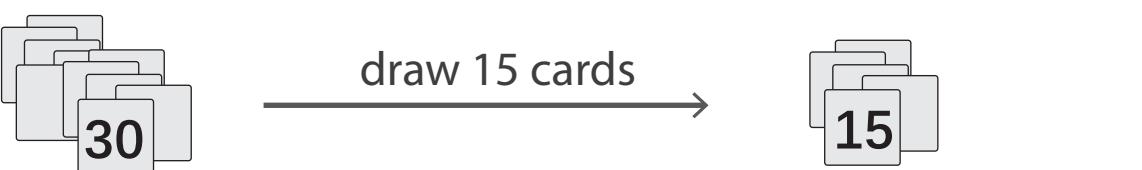
The game was prepared to publish on the 2023 annual of an art community, 水朝夕, at Zhejiang University.

Friends here also helped me to do game test and provided some word cards.

Illustration

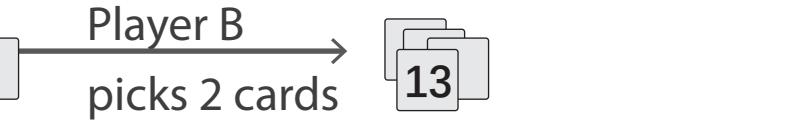
0.Prepare

Draw 15 cards from library.



1.Specify

Player B specify 2 words for Player A to use in the poem.



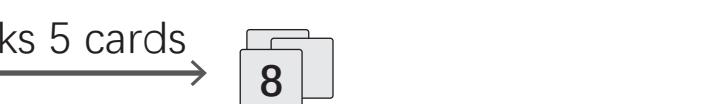
Player A



words that player B choose

3.Write a poem

Player A picks another 5 words, use this 7 words to write a poem.



4.Guess

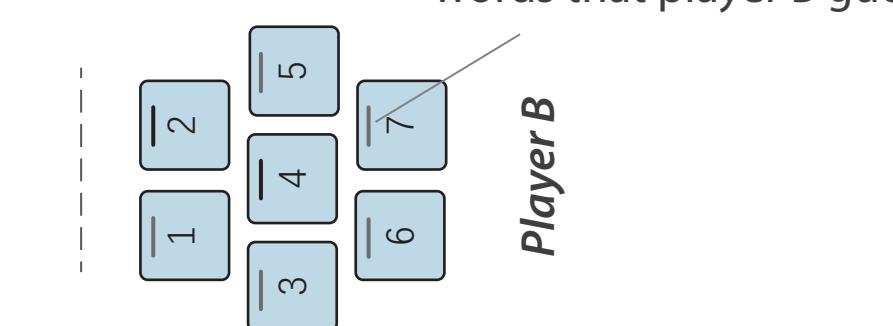
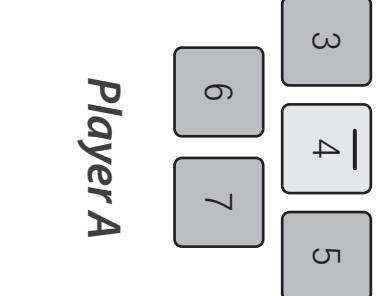
Player B will show the guess and player A will answer how many cards were guessed right.



2nd set of cards



"Only three are right."



The 5 cards that player A picked should face down.

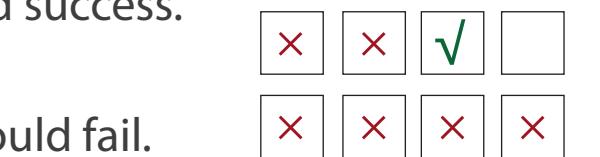
Player A could use a central word or a derived word.

The poem should have a 2-3-2 structure:

The 1st line and the 3rd line each has 2 cards, and the 2nd line has 3 cards.

5.End

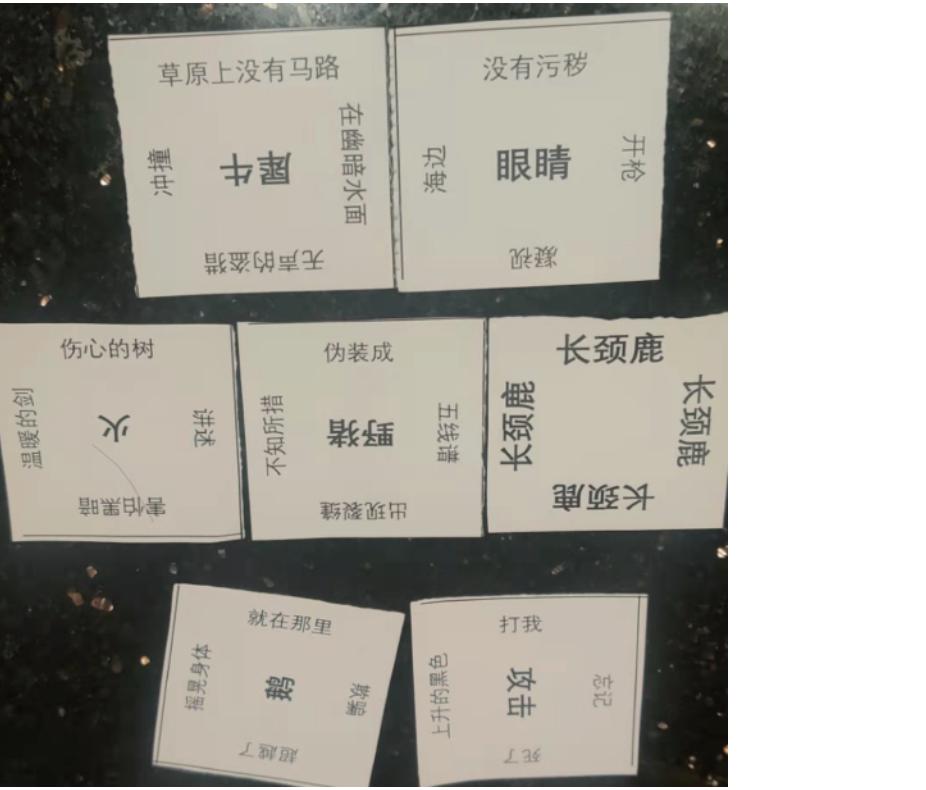
If player B guessed the whole poem within 4 tries, player B would success.



Or player B would fail.

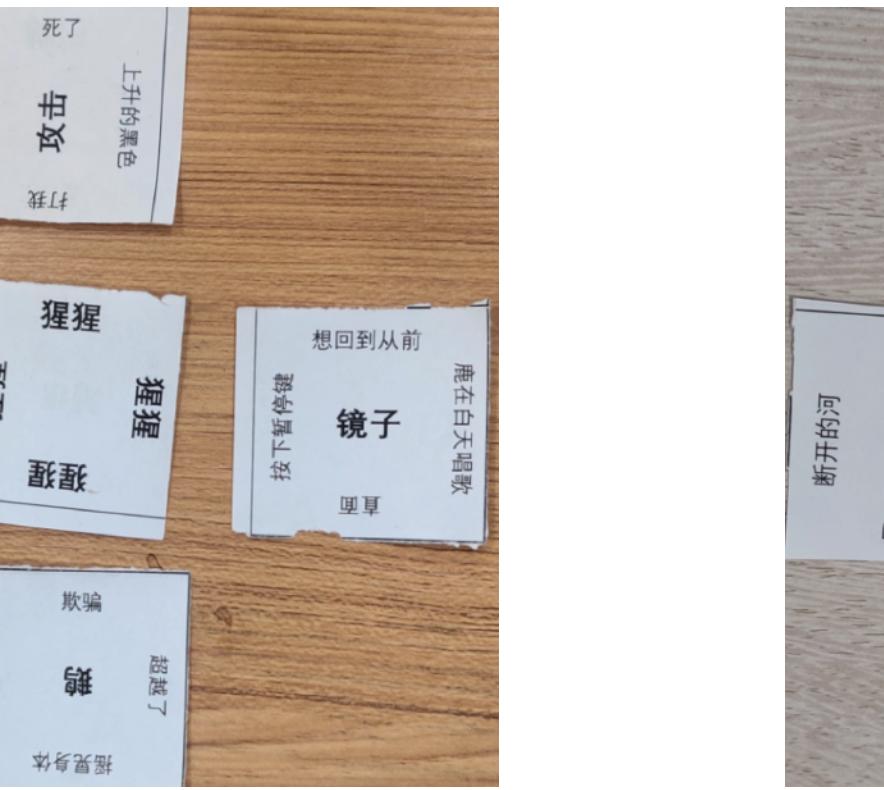


Poems



草原上没有马路 没有污秽
No roads in savanna, no squalor.

伤心的树 伪装成 长颈鹿
A heartbroken tree disguised as giraffe,
就在那里 打我
punched me right there.



现代生活 死了
Modern life is dead.

不断旋转的 猩猩 想回到从前
A whirling gorilla wish to go back,
却看不见 欺骗
but can't see the deceit.



街角的甲壳虫 在笼子里
Beetle on the street corner, locked in the cage.

地球仪 舔舐潮汐 草原上没有马路
Globe lick the tide, no roads on the grassland.

石头 降落到花园
A rock lands on the garden.

Poetry is difficult to translate, and so are the words and phrase that compose it.

Because of the differences of grammar and semantics between Chinese and English, literally translating of the corpus in cards and combining them would be probably unreadable.

Thus, I translated poems listed here by meaning.

I'm looking forward to make a English version with the help of native speakers.

The core mechanism of this game is integrated in the form of the word card.

It is encouraged for player to add their own corpus or define their own rules like the structure of poem or the guess methods.