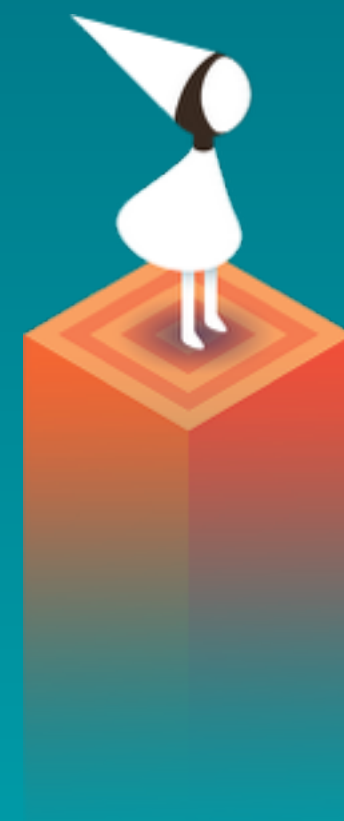


# THE ART OF MONUMENT VALLEY

KEN WONG  
LEAD DESIGNER, USTWOGAMES



GDC 2015

@kenwongart  
@ustwogames  
#monumentvalleygame

















APPLE  
DESIGN AWARD  
WINNER 2014



APP STORE 2014  
IPAD GAME  
OF THE YEAR



ACHIEVEMENT IN  
ART DIRECTION  
DICE AWARDS 2014



COMMUNITY  
CHOICE  
UNITY AWARDS 2014



BEST 3D  
VISUALS  
UNITY AWARDS 2014



CREATIVE CONTRIBUTION  
AUDIO  
DEVELOP AWARDS 2014



BEST iOS GAME  
POCKETGAMER  
AWARDS 2015



GAME OF THE YEAR  
POCKETGAMER  
AWARDS 2015



GRAND PRIX  
11TH IMGA



INNOVATION  
AWARD  
GDC AWARDS 2015



BEST VISUAL  
ART  
GDC AWARDS 2015



BEST MOBILE  
GAME  
GDC AWARDS 2015







# THE ART OF MONUMENT VALLEY



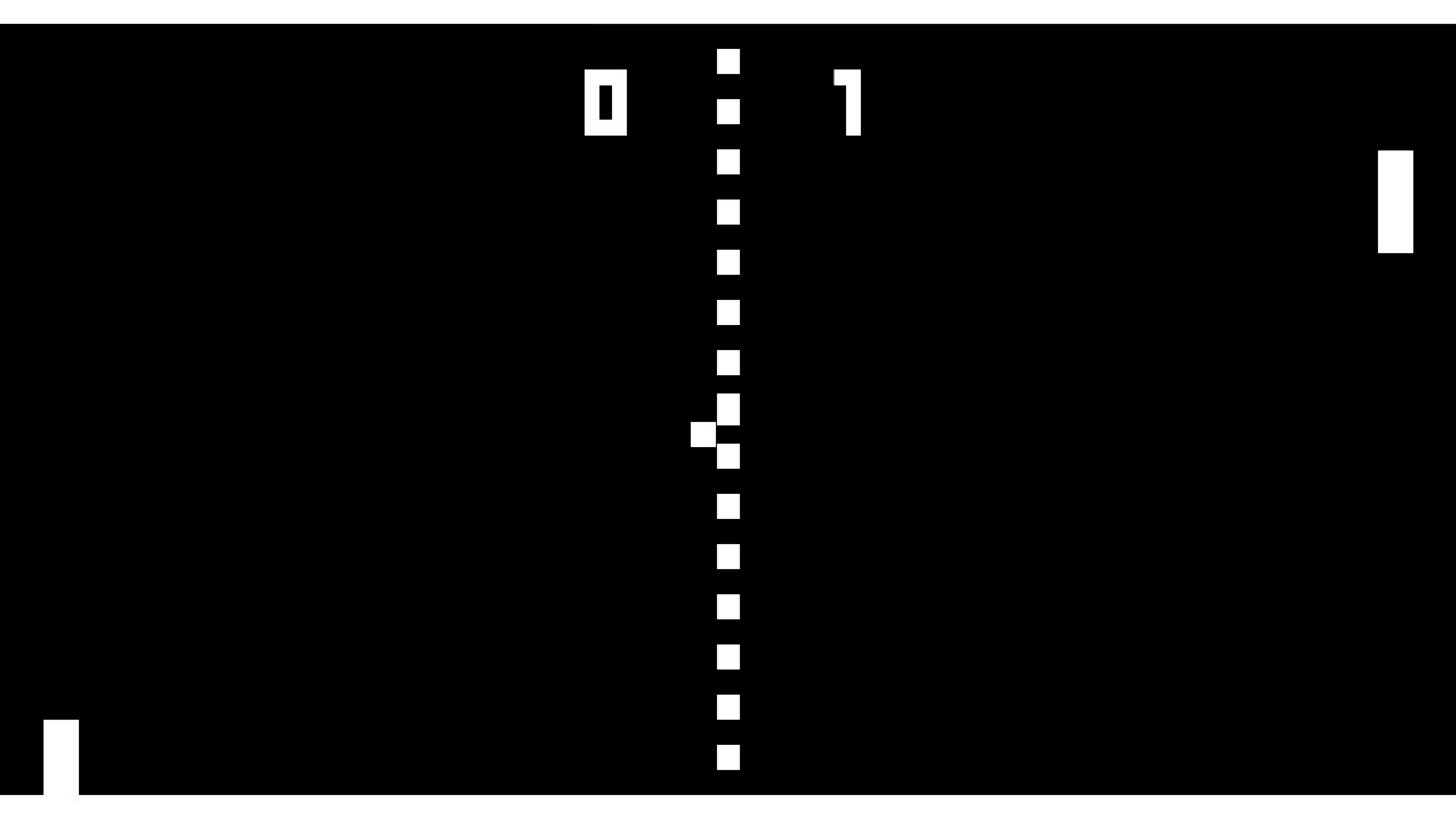
IN WHICH



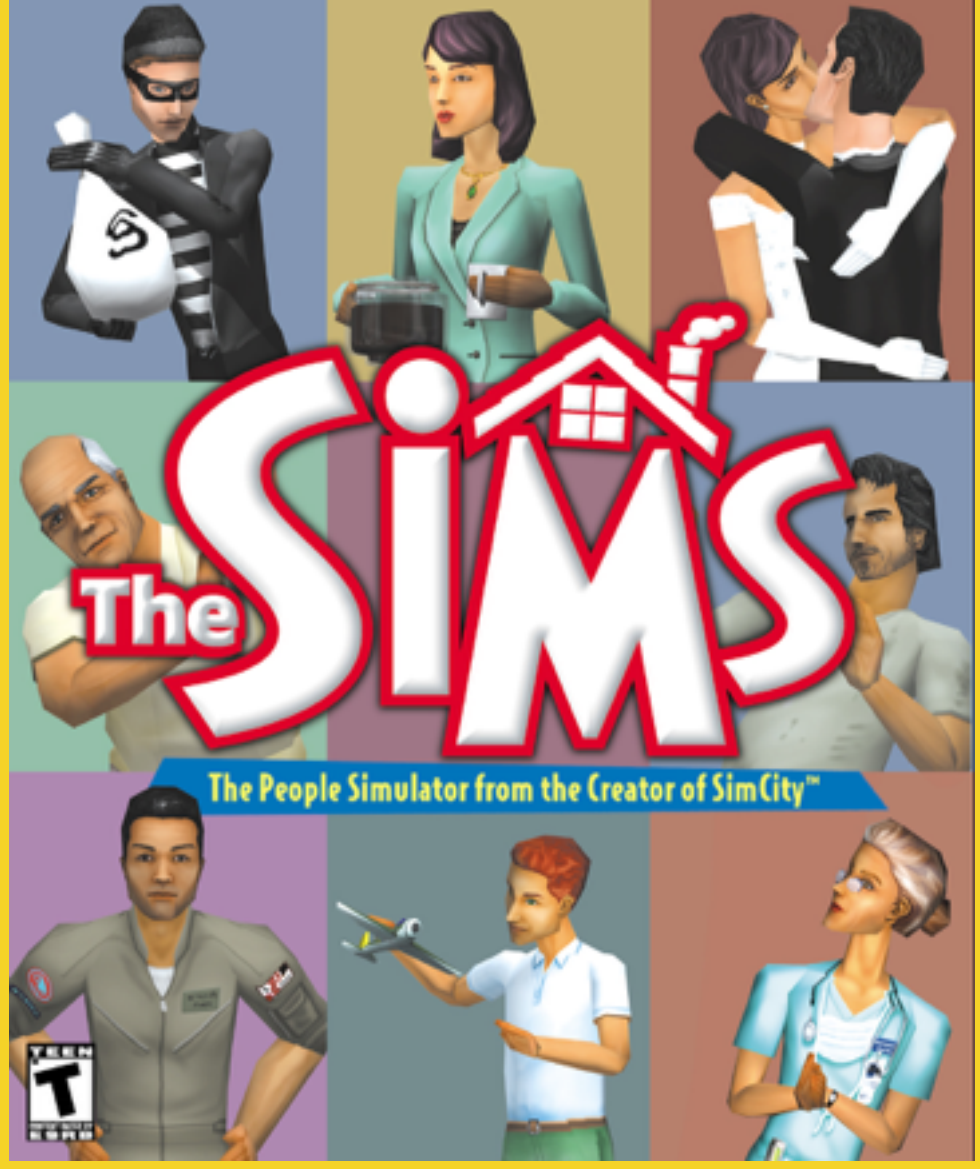
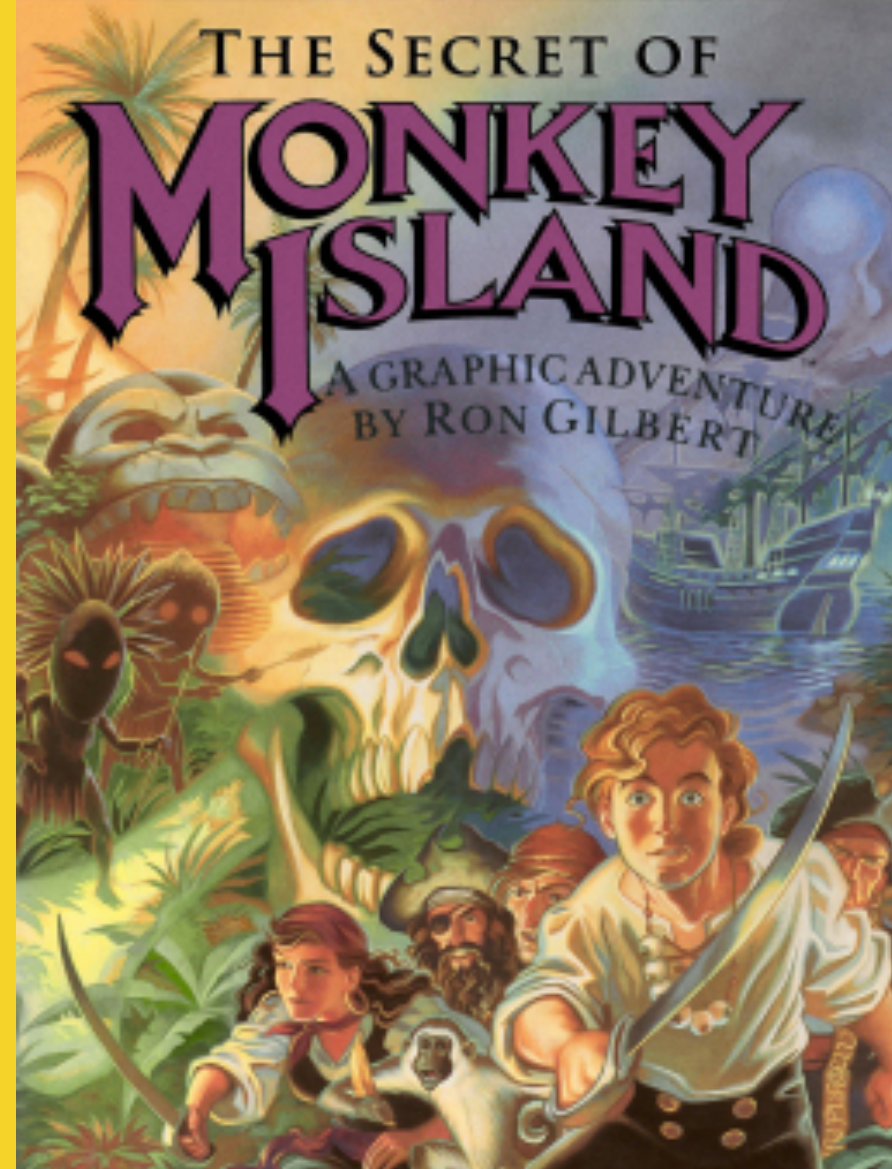
WE REVISIT  
THE ROLE OF VISUAL ART  
IN GAMES













- We create entire **player experiences** — not just mechanics dressed up with art and story.
- For some players, **enjoyment** comes more from story, **art**, sound, less from gameplay.



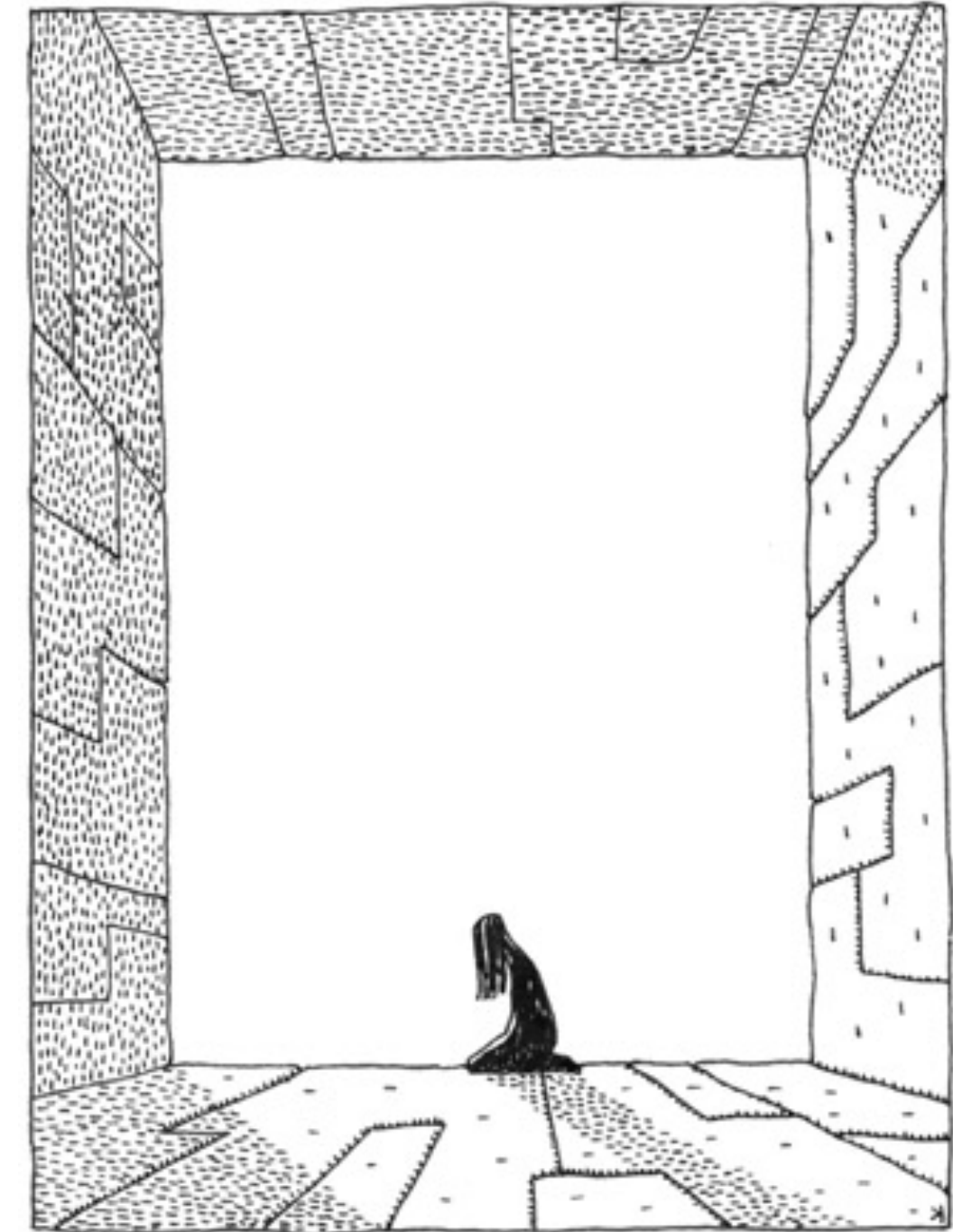
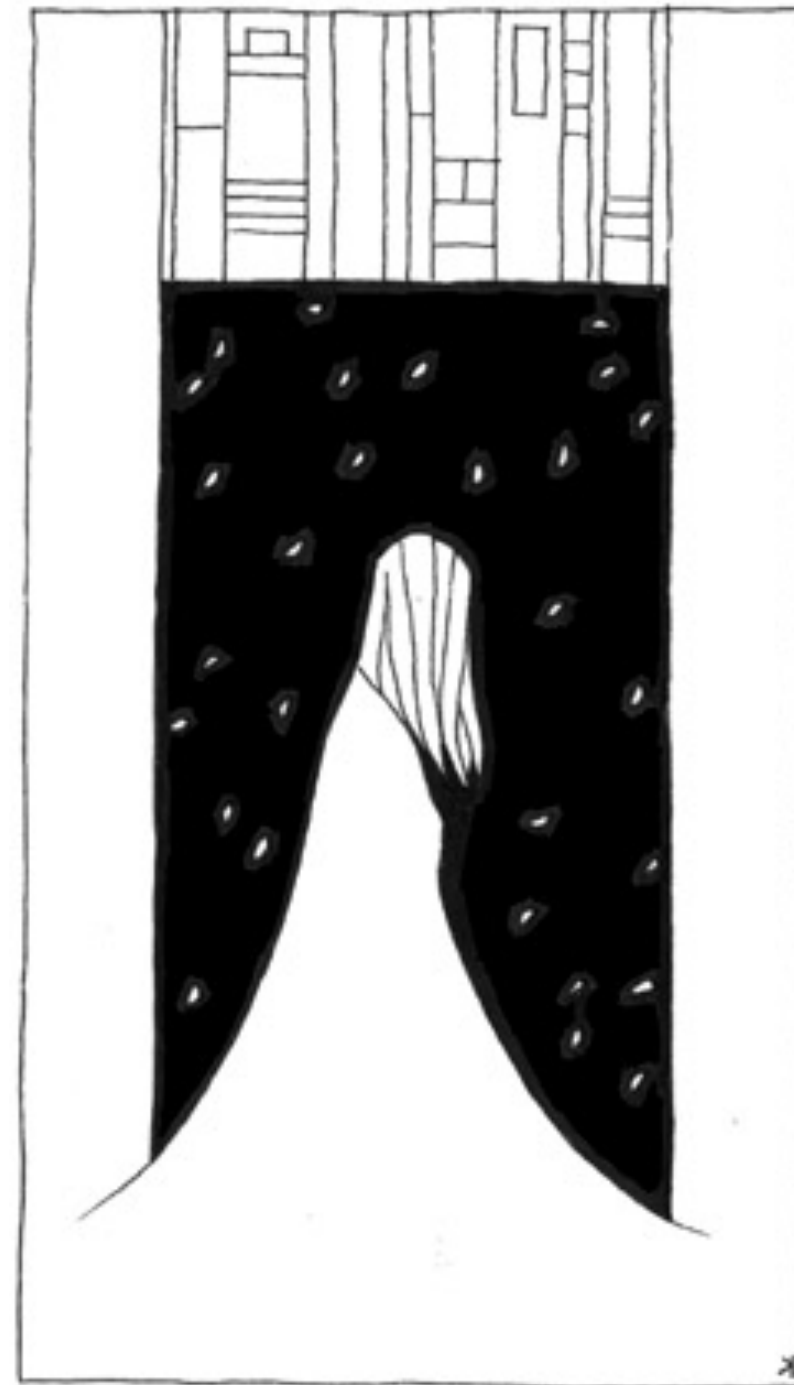
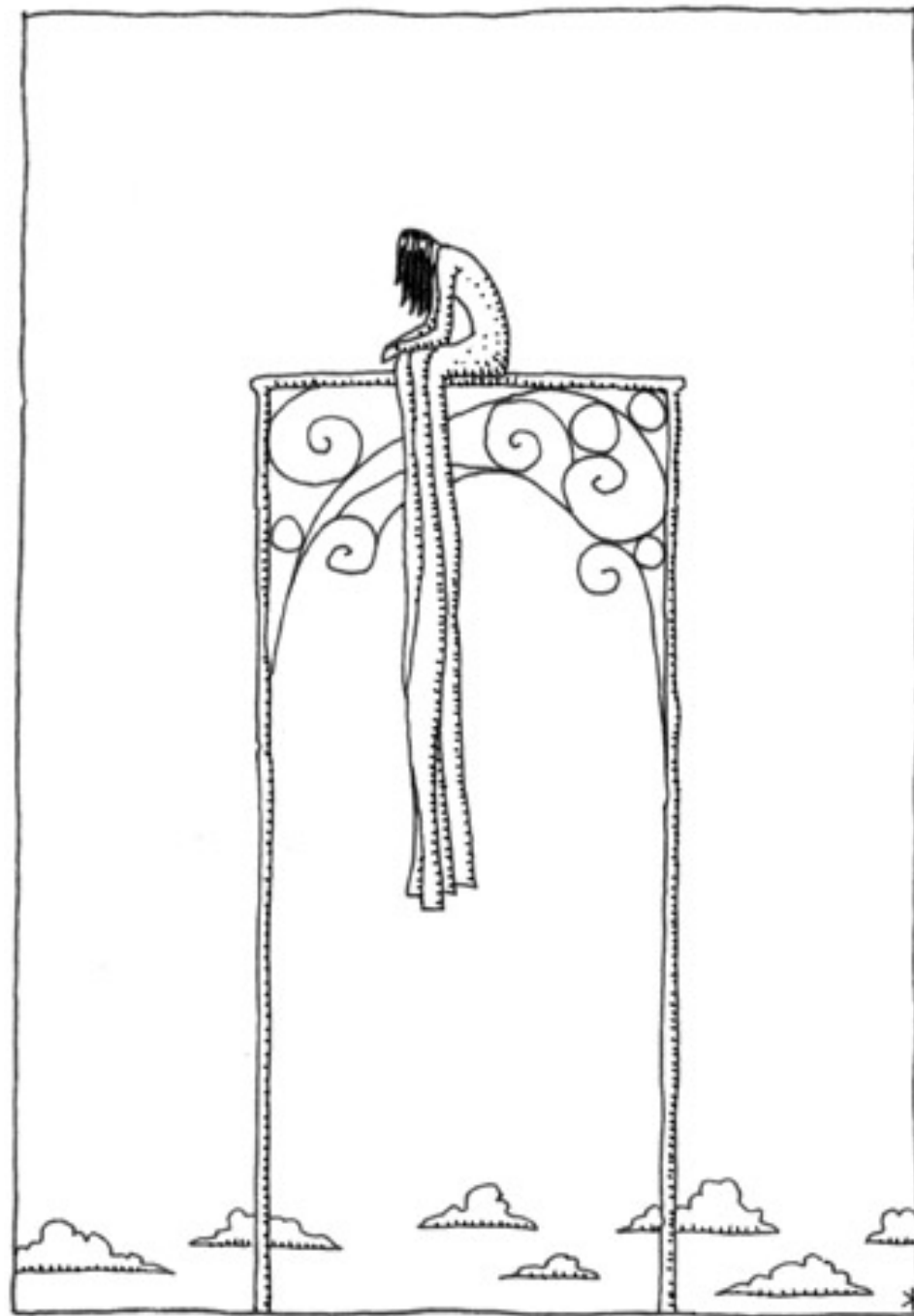
Designing with **aesthetics** as a **focus**  
leads to the creation of **different experiences.**



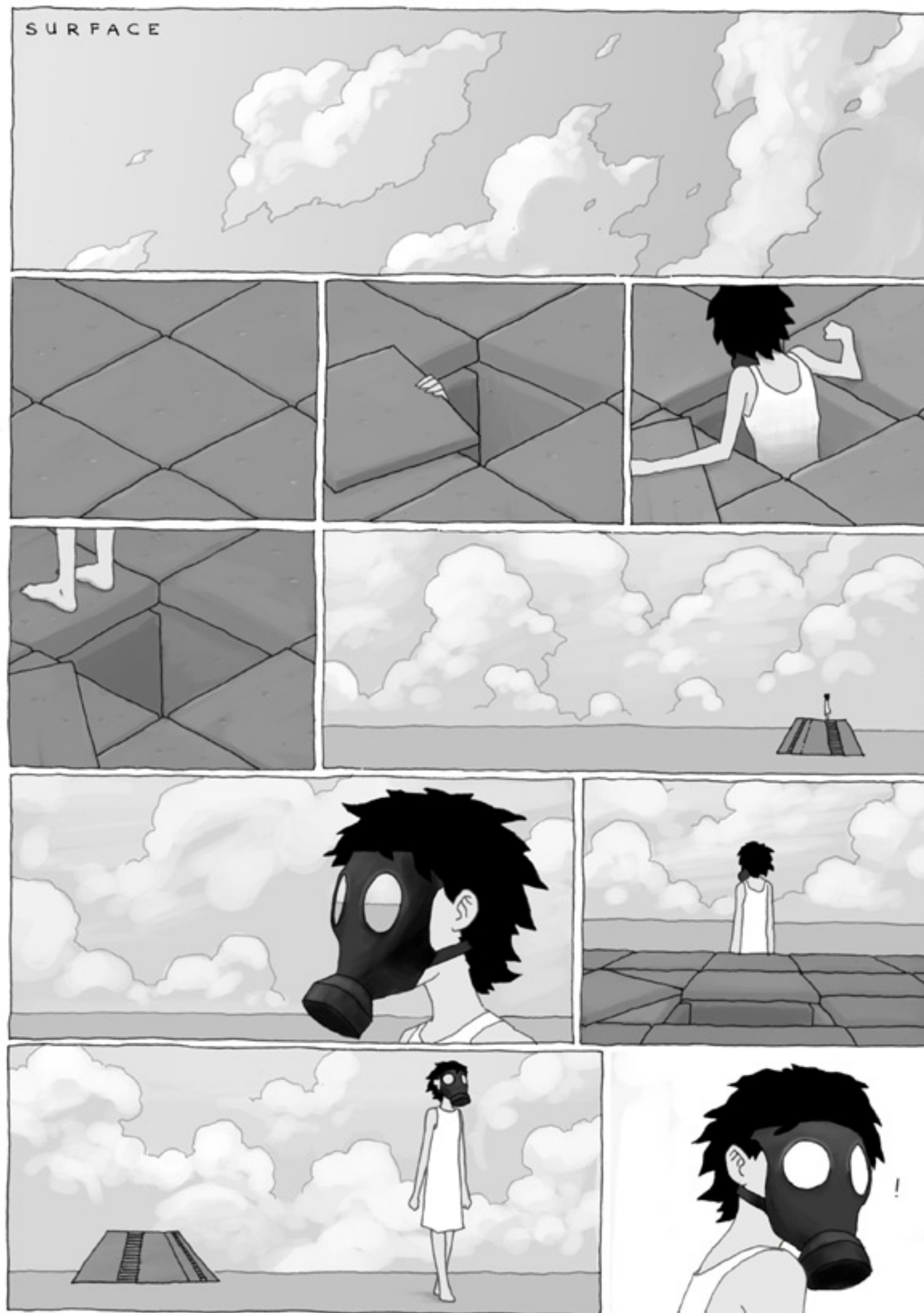
# THE ARTIST AS GAME DESIGNER



# MY ILLUSTRATION WORK















AN AMERICAN MCGEE GAME









USTWO IS NOT A GAMES COMPANY

ustwo





# THE GAMES TEAM



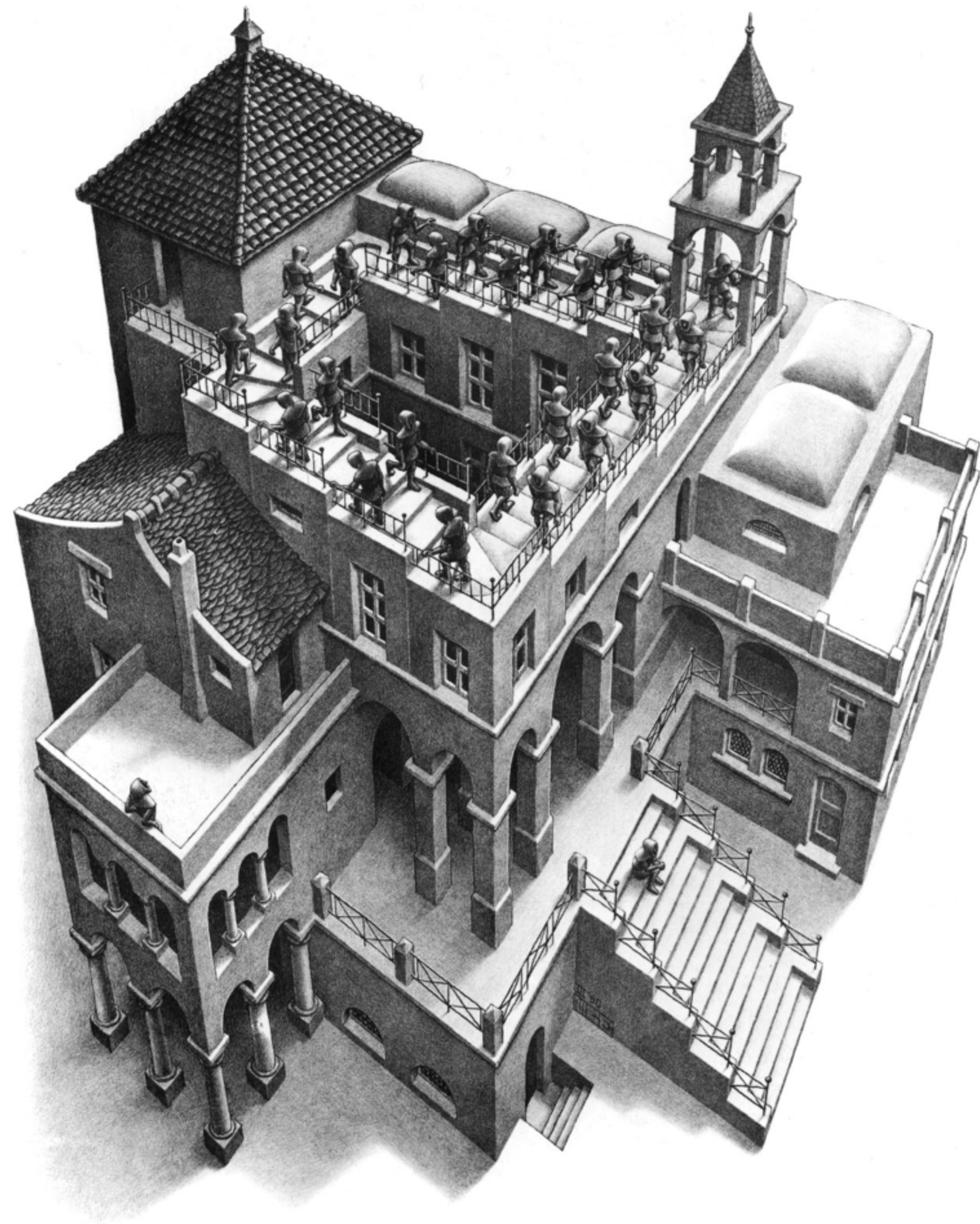




# A LOVE OF ARCHITECTURE

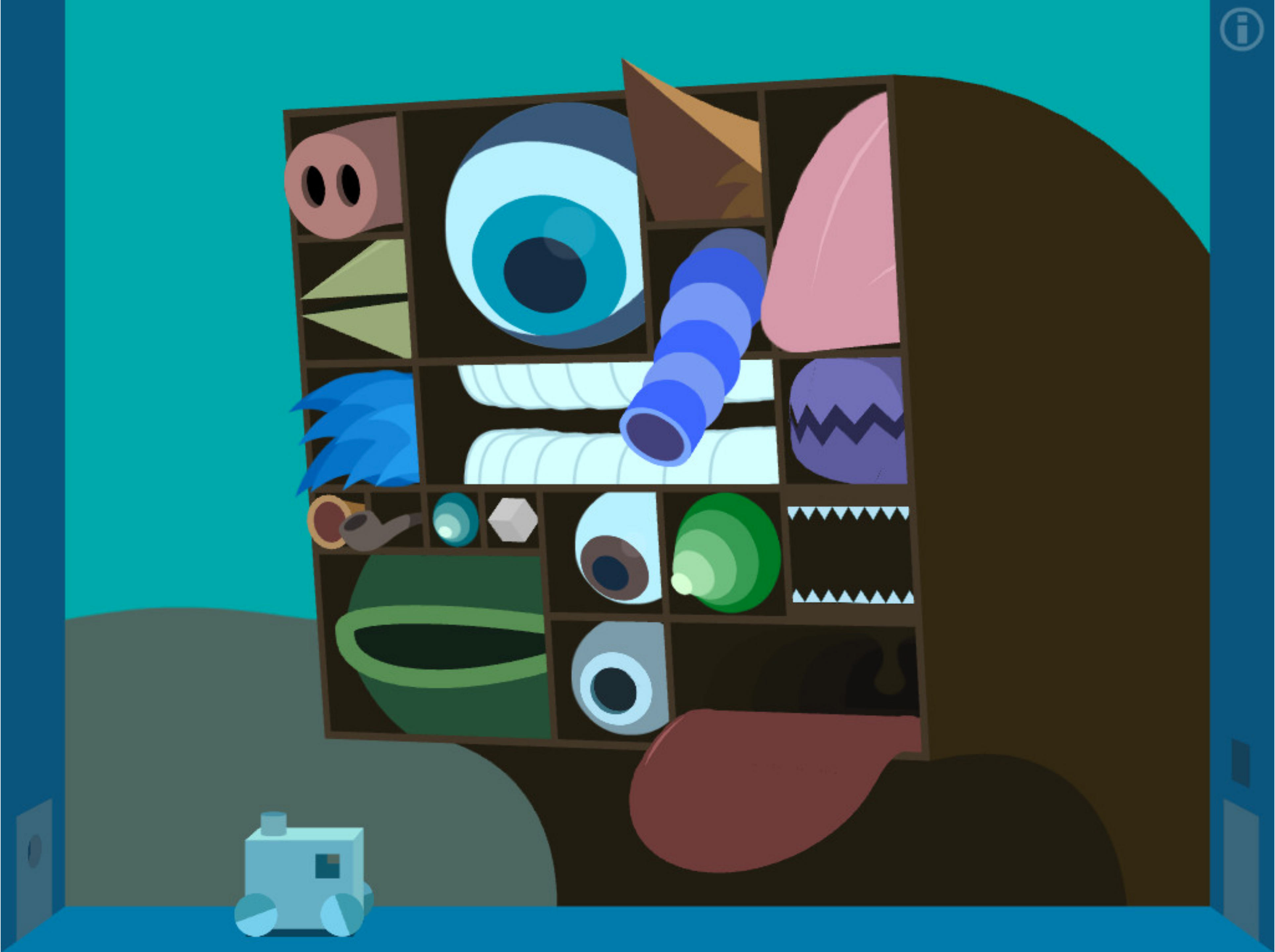








WINDOSILL  
VECTORPARK  
2009







**FIRST CONCEPT ART**

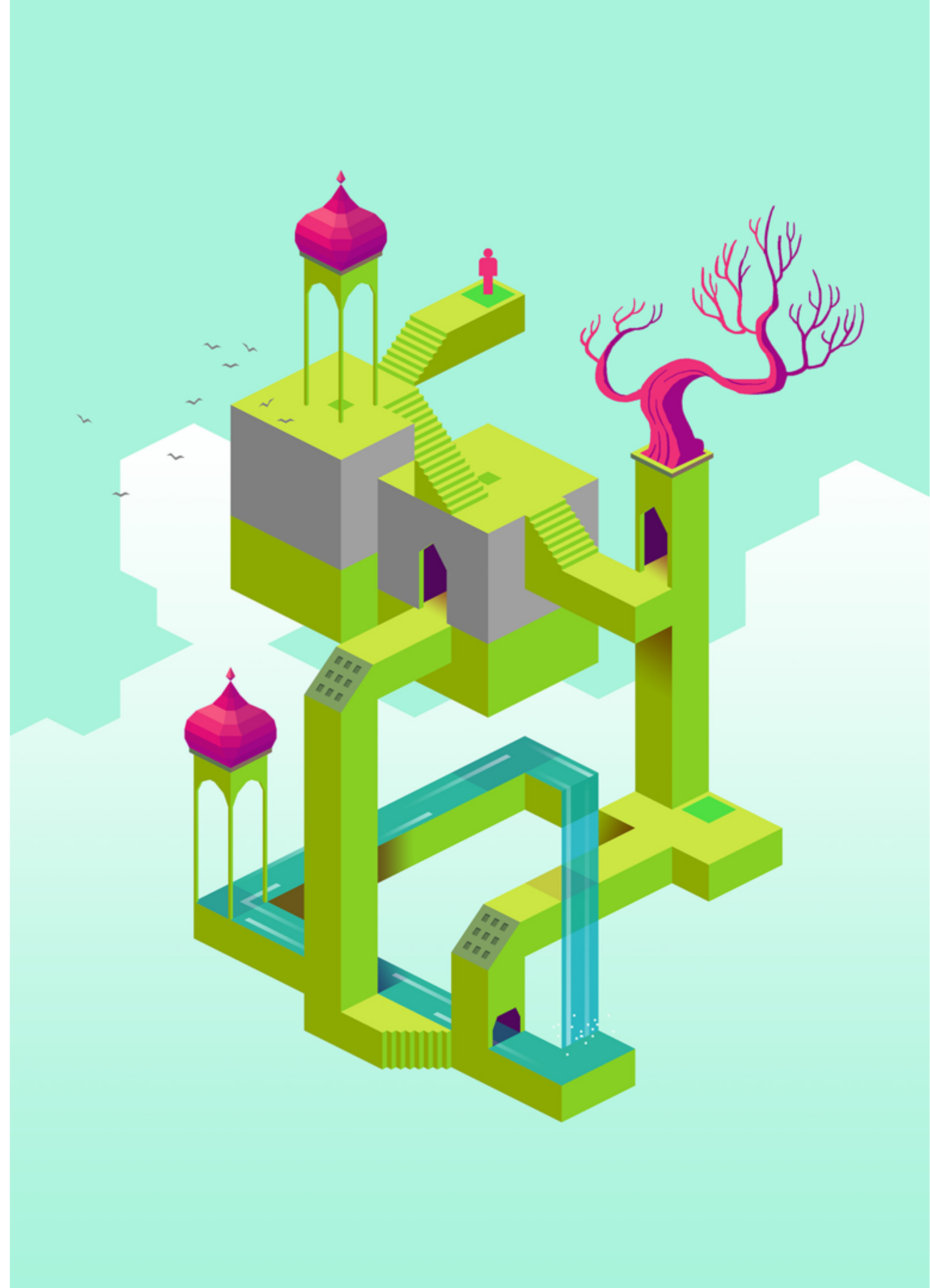
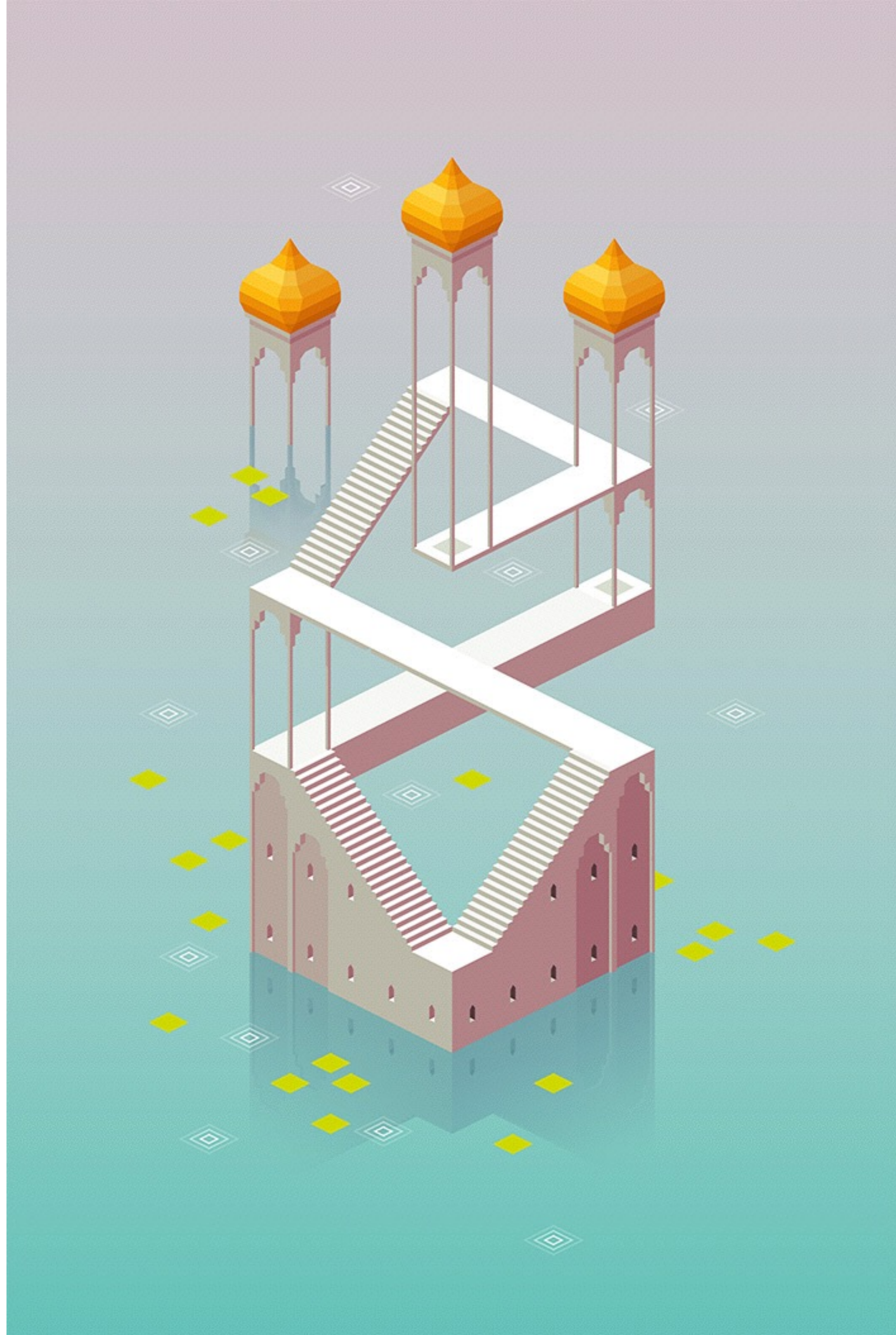


IMPOSSIBILITY





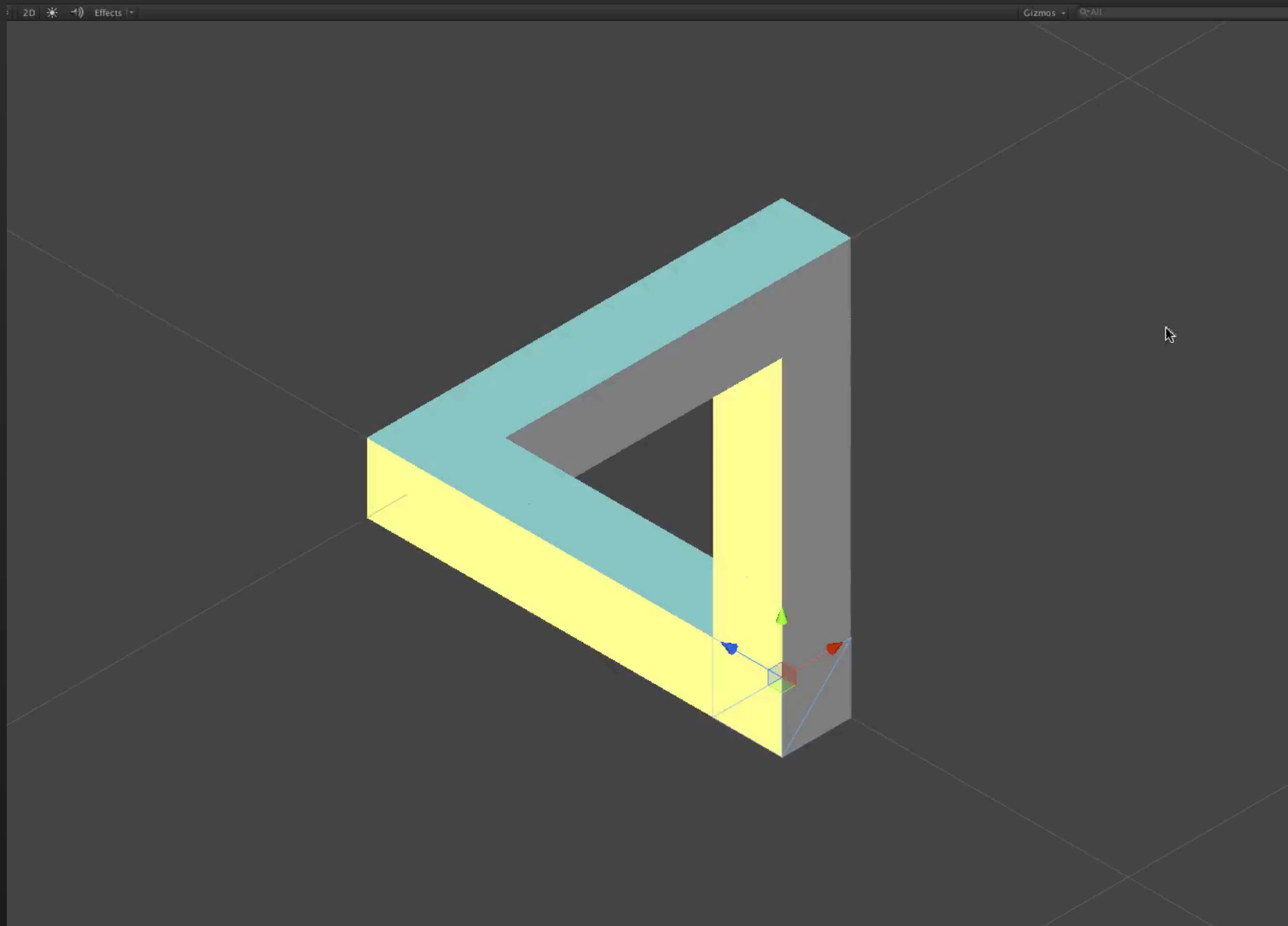




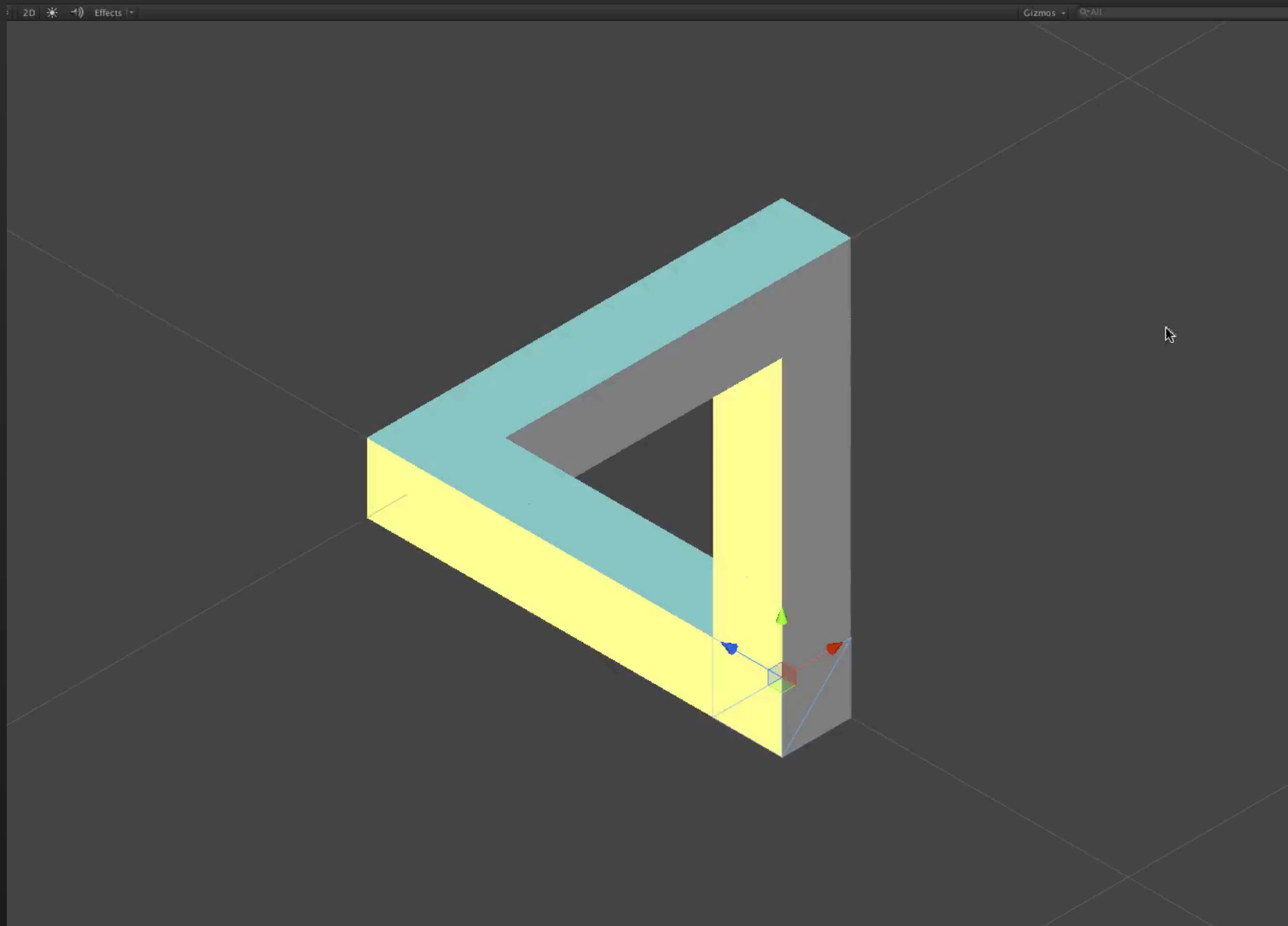




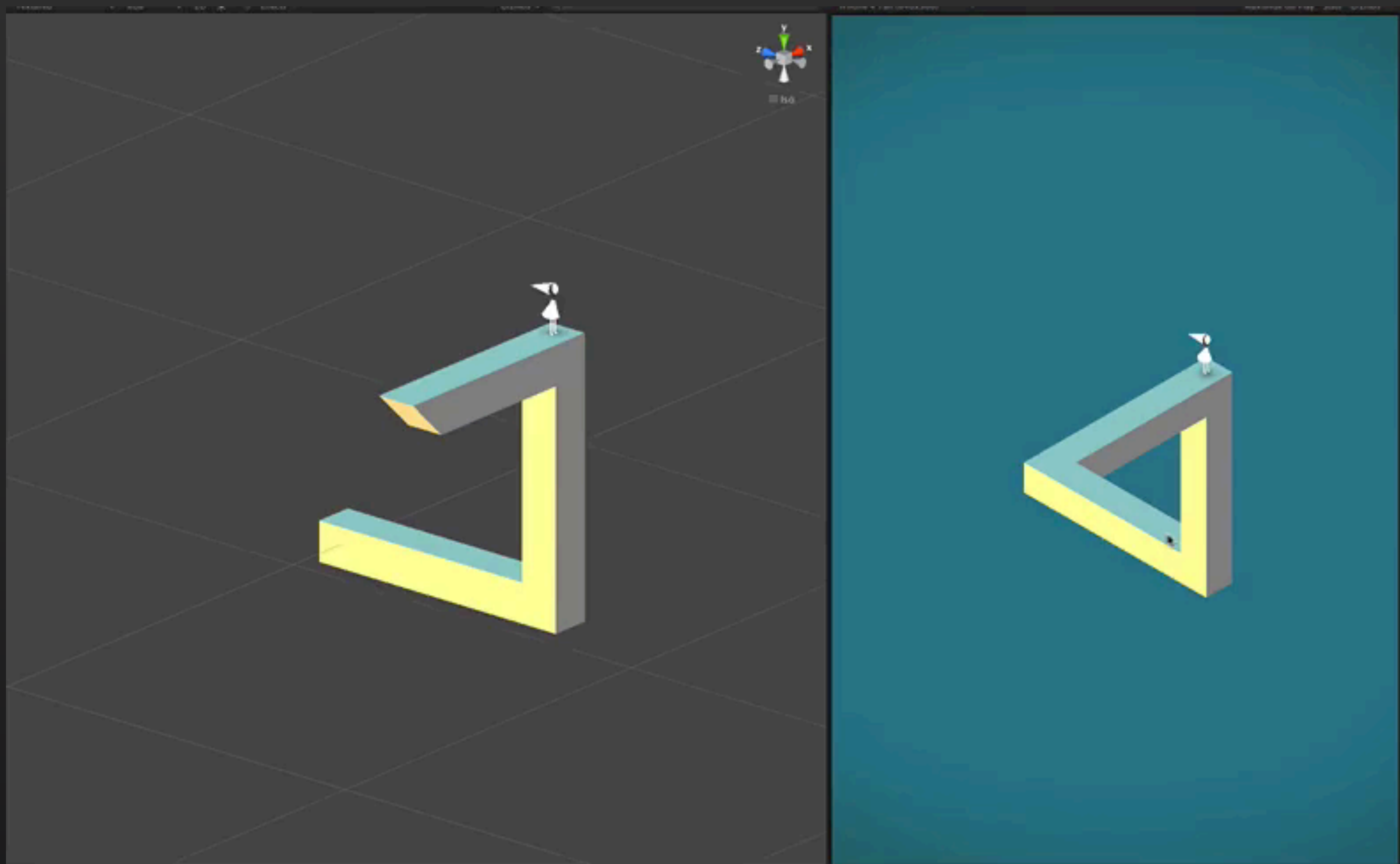




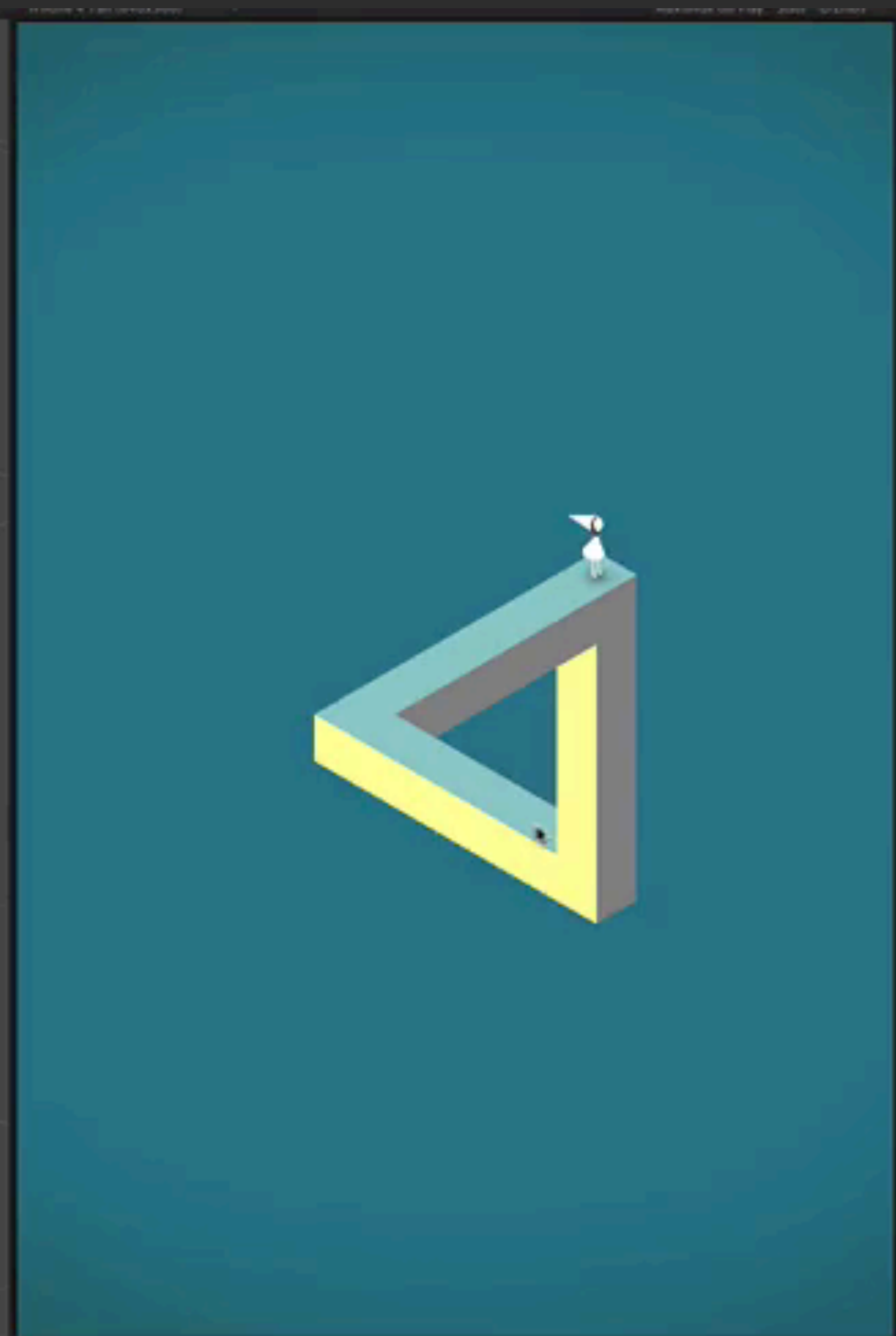
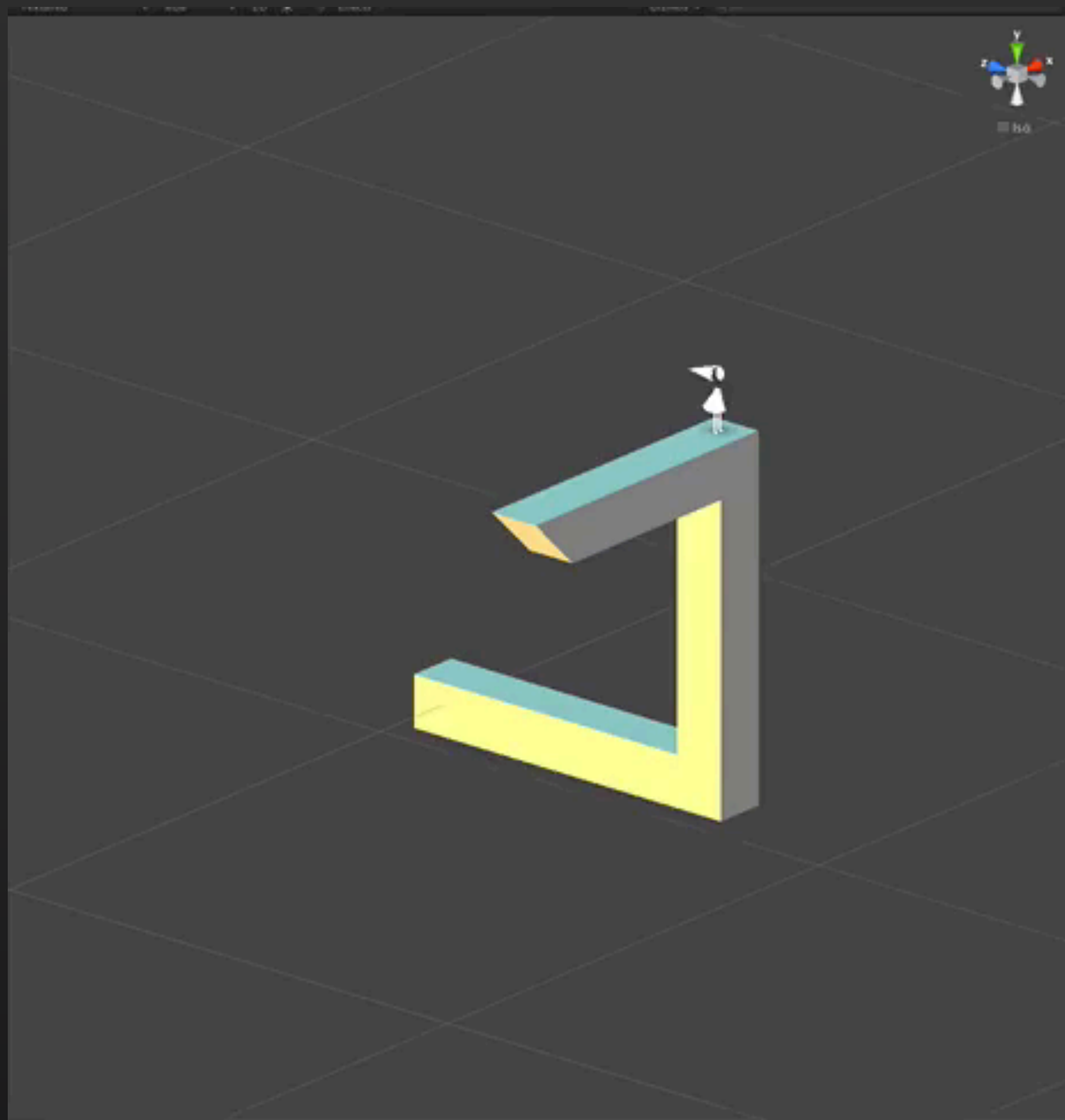














INSPIRATION



DAVID FINCHER AND SPIKE JONZE PRESENT

"MAGNIFICENT!"

-ROGER EBERT

A FILM BY TARSEM

# The Fall

LEE PACE CATINCA UNTARU  
A LITTLE BLESSING IN DISGUISE

DAVID FINCHER AND SPIKE JONZE  
AND ROADSIDE ATTRACTIONS PRESENT

A GOOGLY FILMS PRODUCTION A FILM BY TARSEM "THE FALL"

LEE PACE JUSTINE WADDELL AND CATINCA UNTARU

CASTING BY DANIEL HUBBARD COSTUME DESIGNER EIKO ISHIOKA MUSIC BY KRISHNA LEVY

EDITOR ROBERT DUFFY PRODUCTION DESIGNER GED CLARKE DIRECTOR OF PHOTOGRAPHY COLIN WATKINSON

EXECUTIVE PRODUCERS AJIT SINGH TOMMY TURTLE

SCREENPLAY BY DAN GILROY AND NICO SOULTANAKIS & TARSEM

GOOGLY FILMS PRODUCED BY TARSEM

WWW.THEFALLTHEMOVIE.COM

R RESTRICTED  
SOME VIOLENT IMAGES





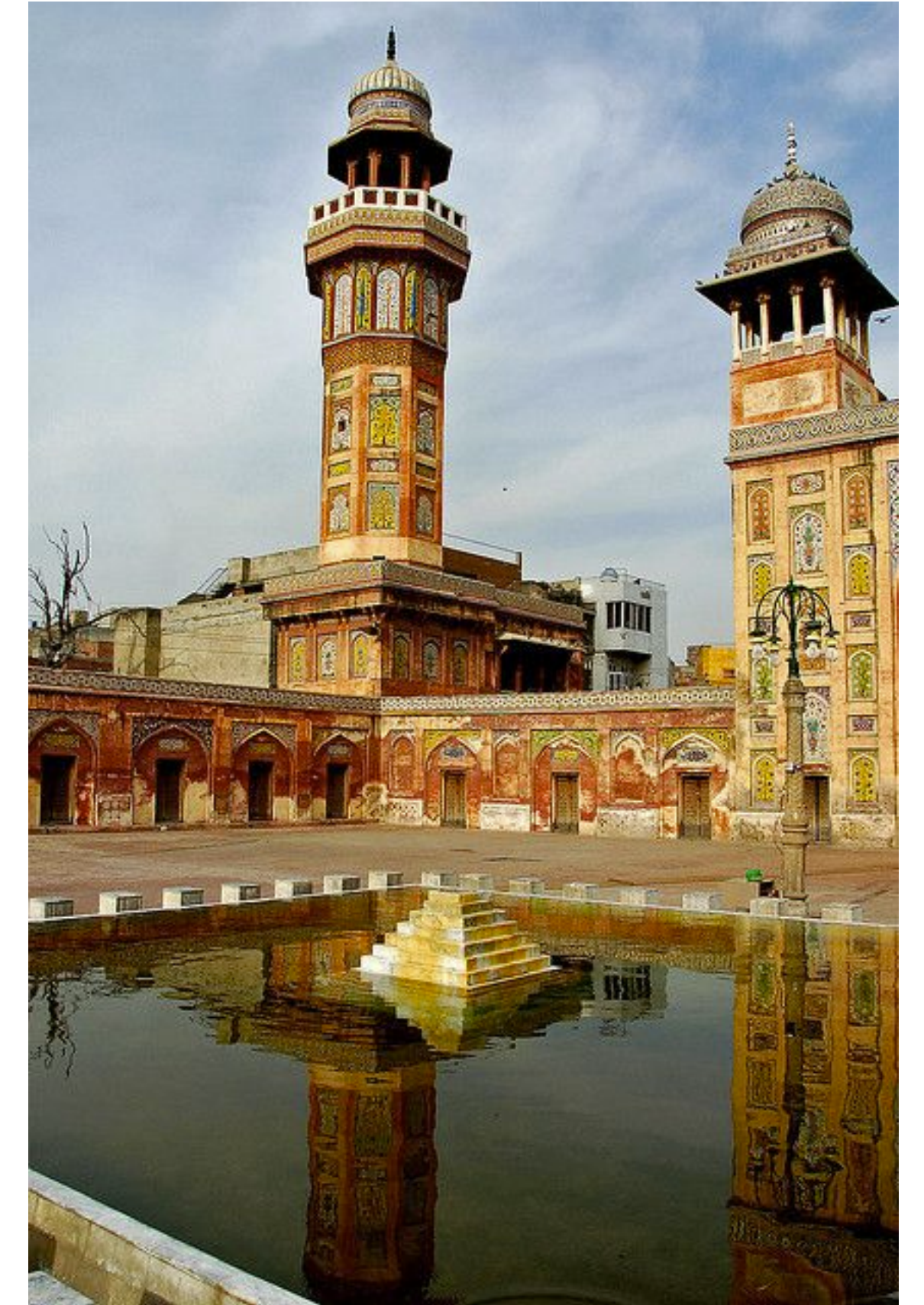
**SPAIN**



**RUSSIA**



**MOROCCO**

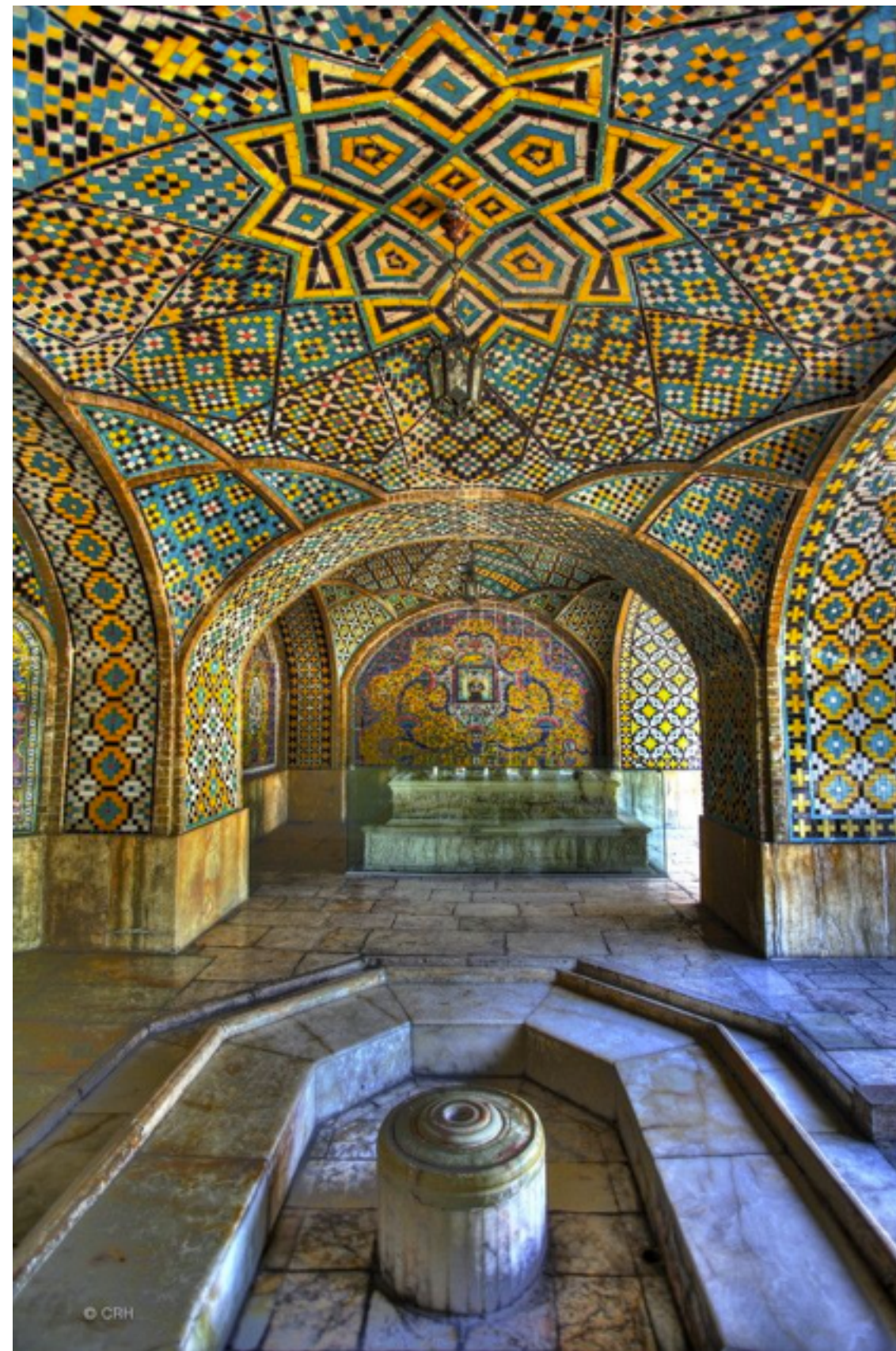


**PAKISTAN**

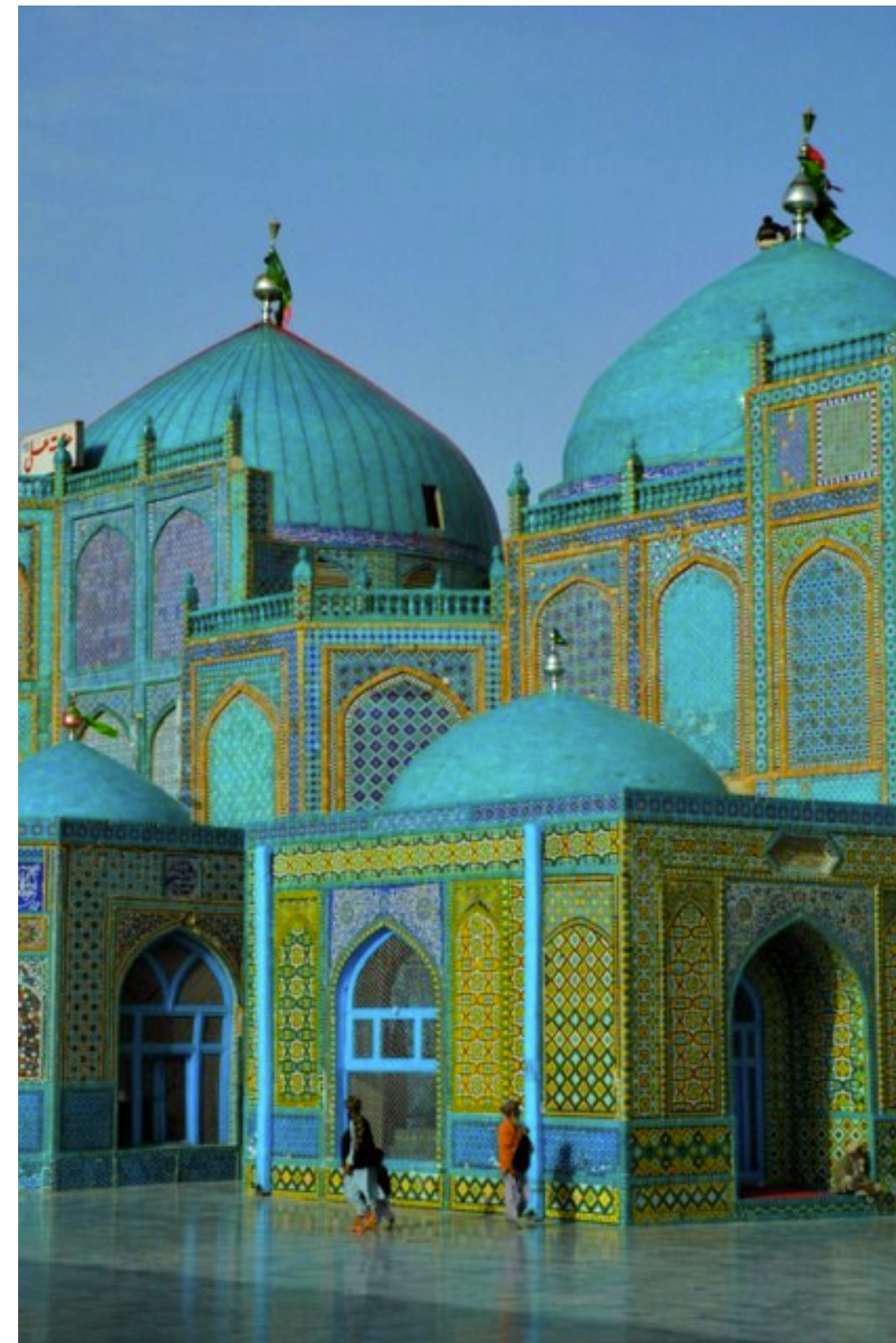




INDIA



IRAN



AFGHANISTAN

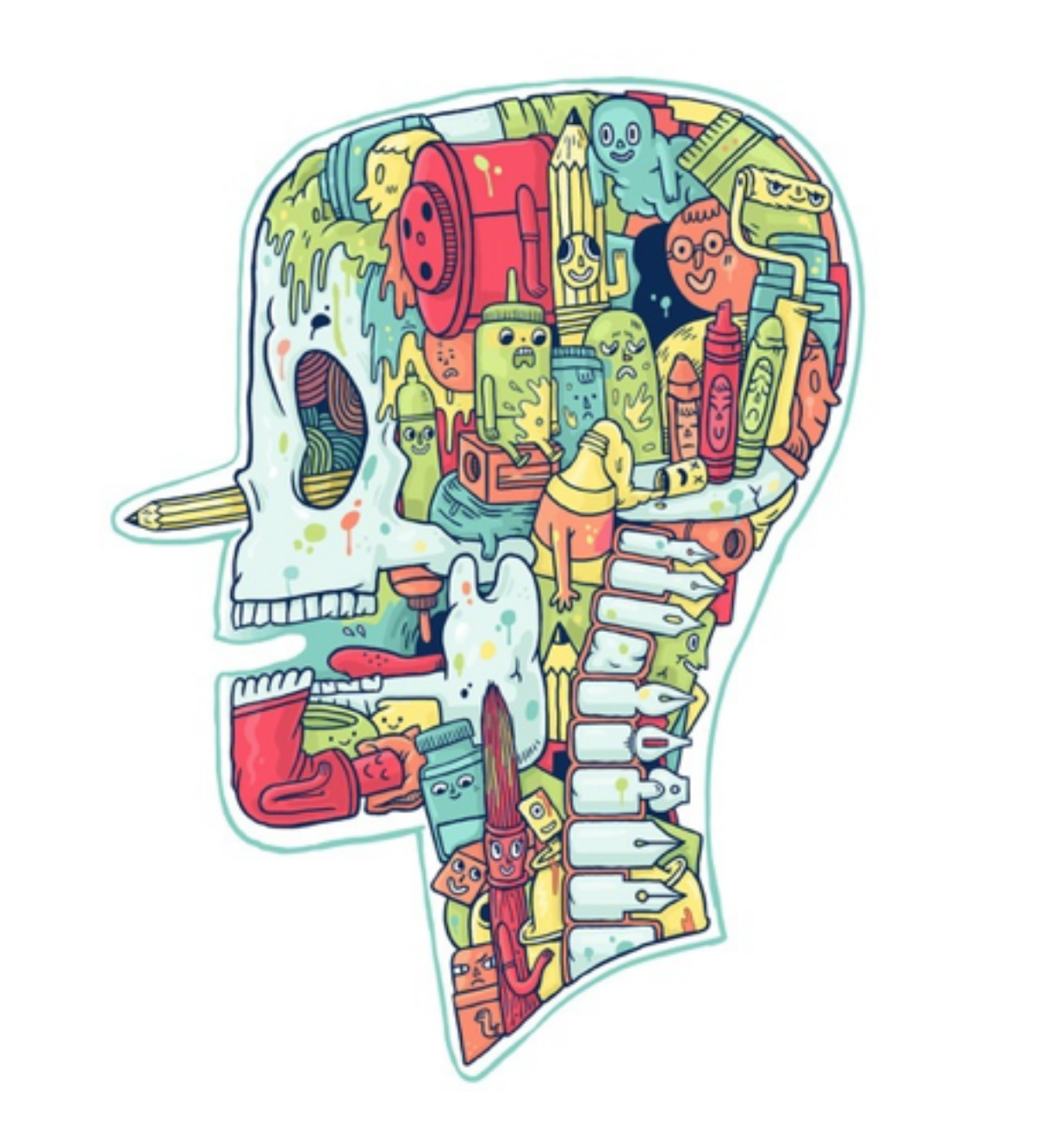


UZBEKISTAN





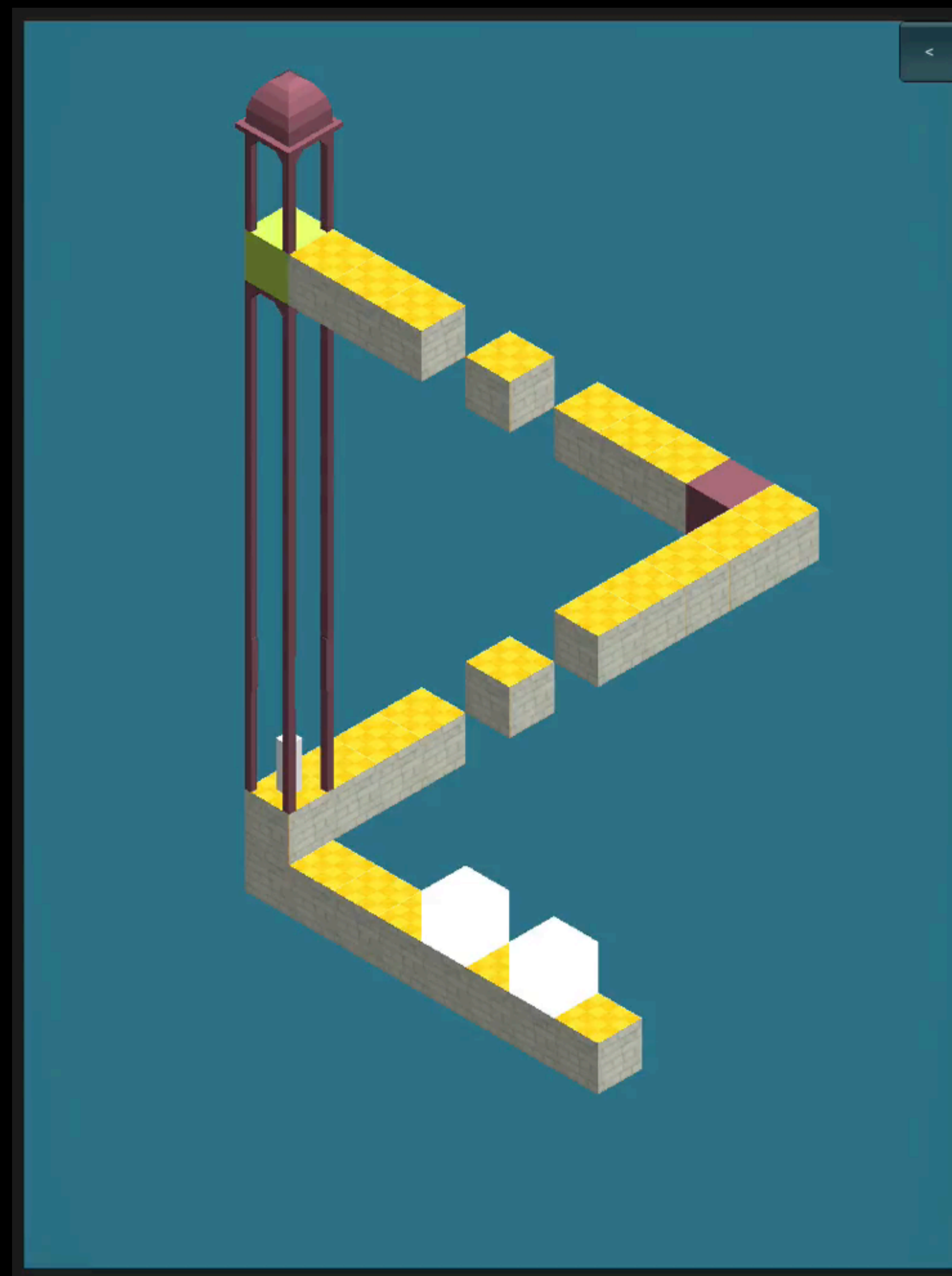
## LITTLE WORLDS



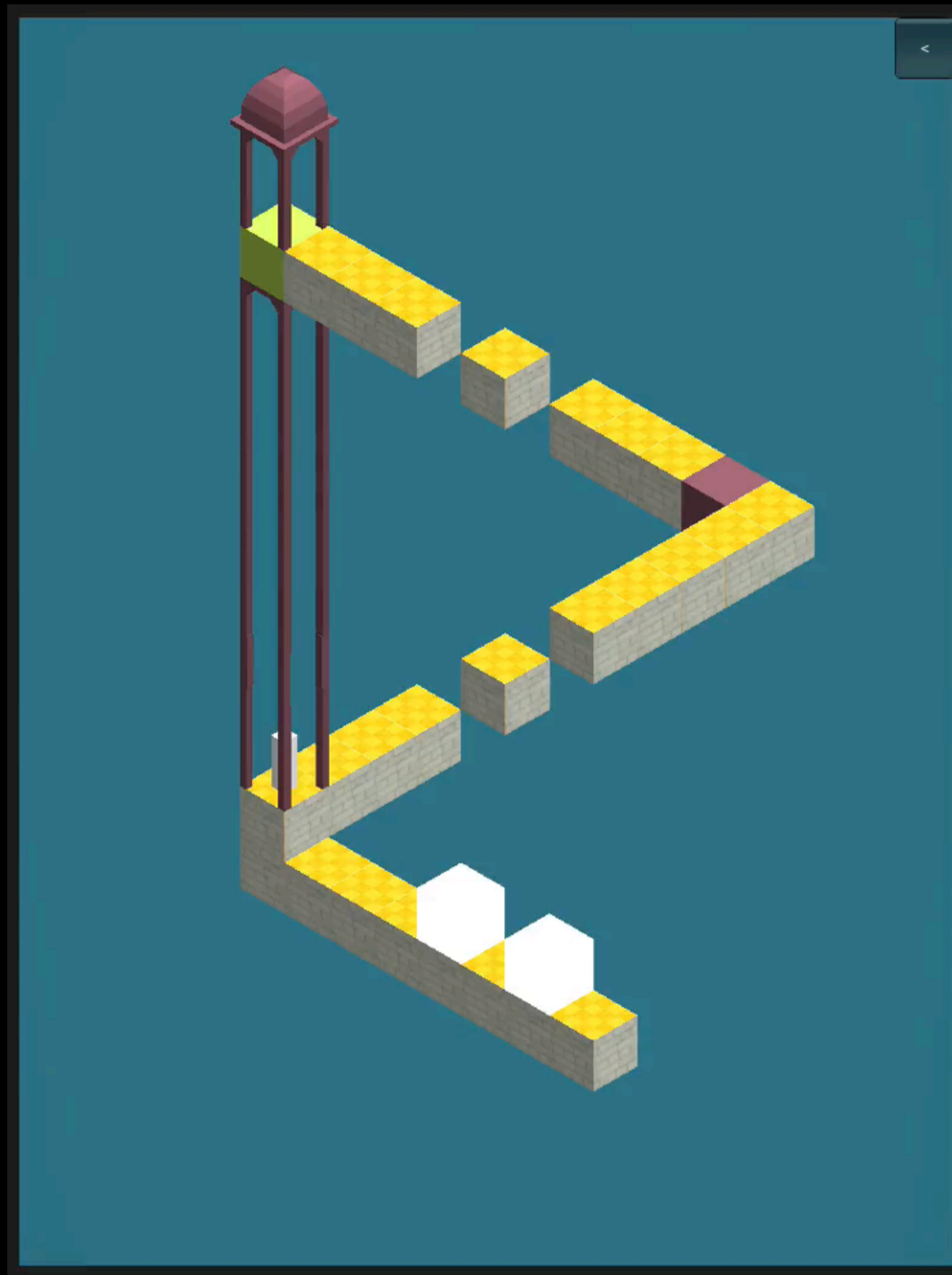


EXPLORATION

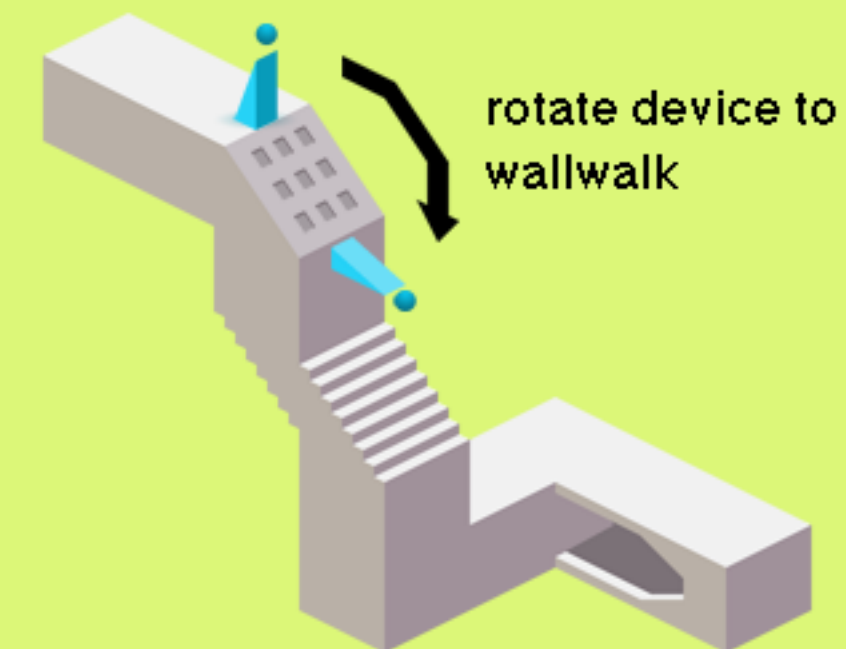
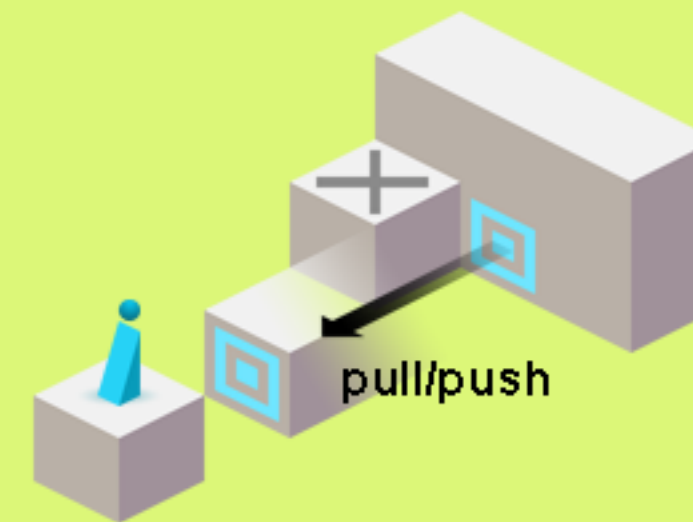
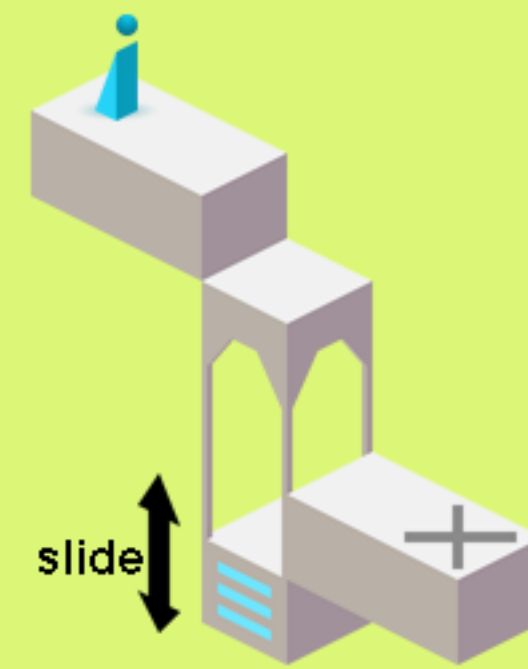
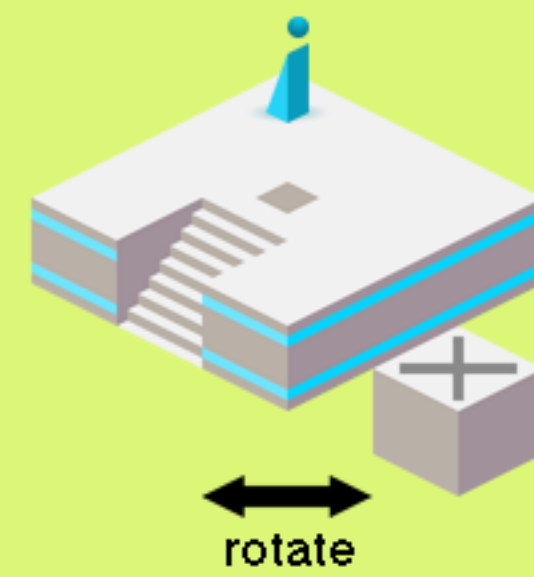
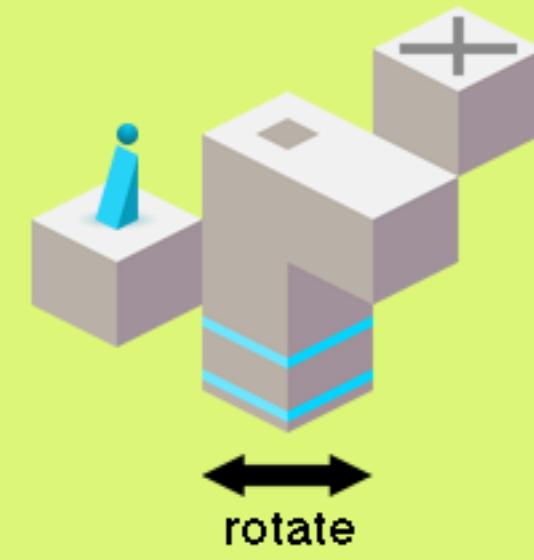
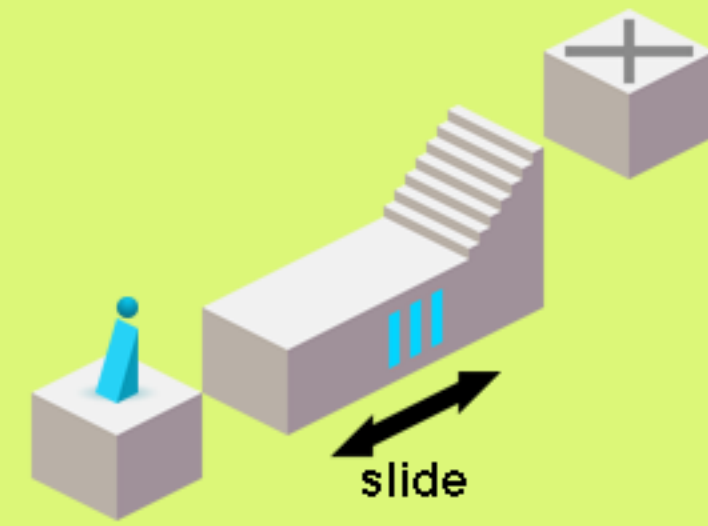




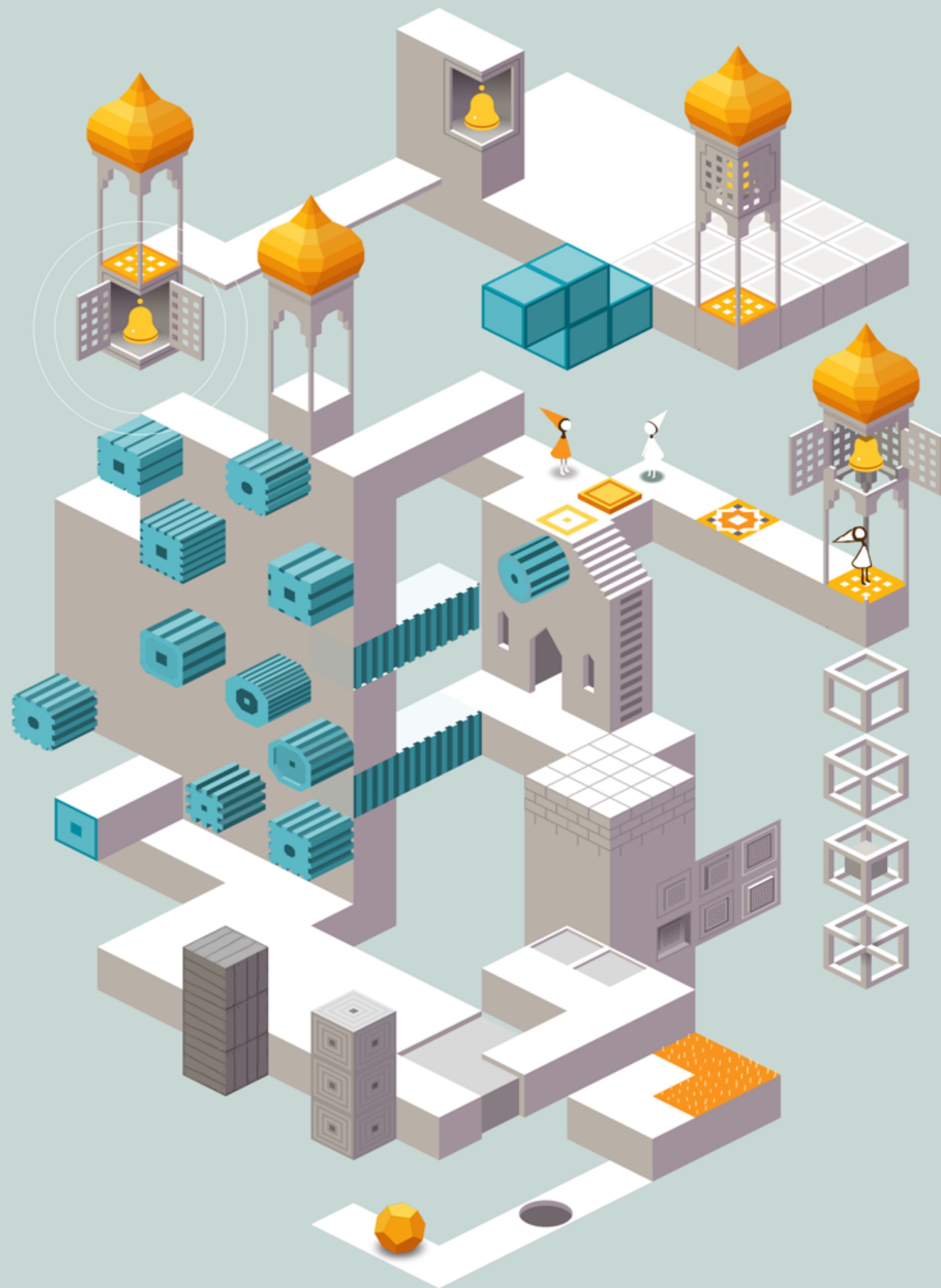




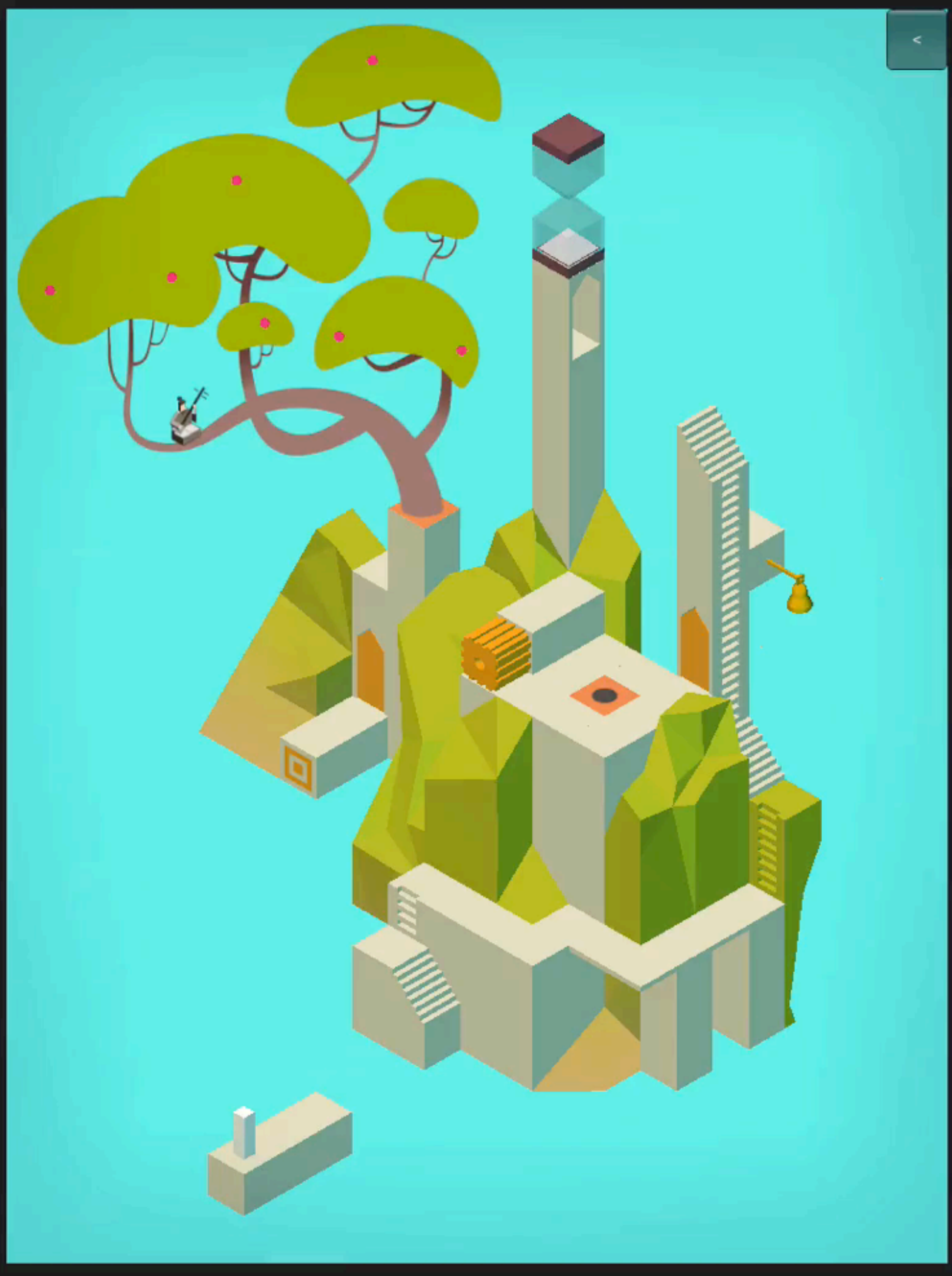








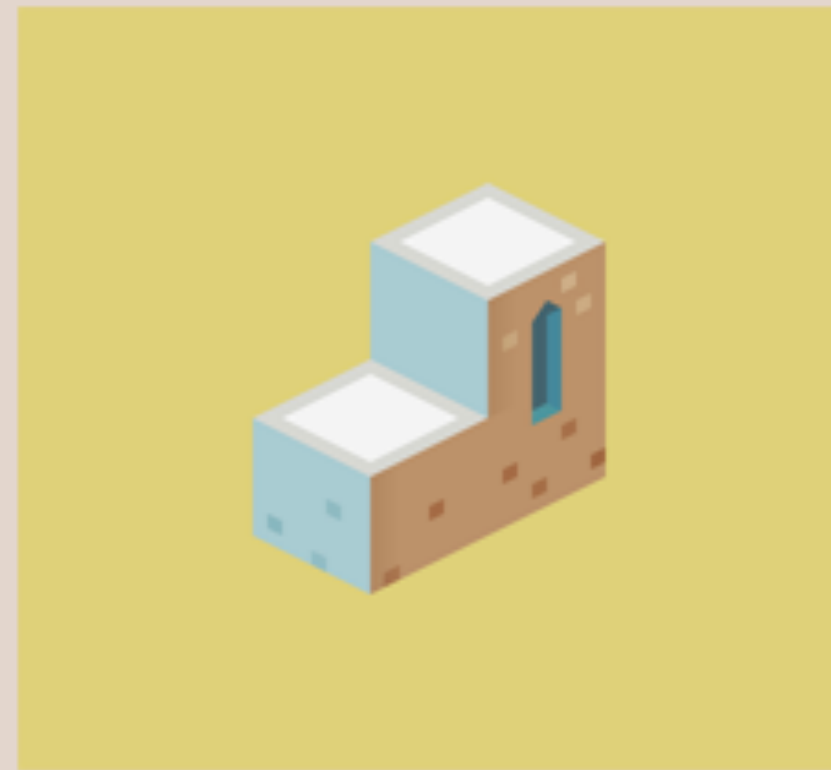
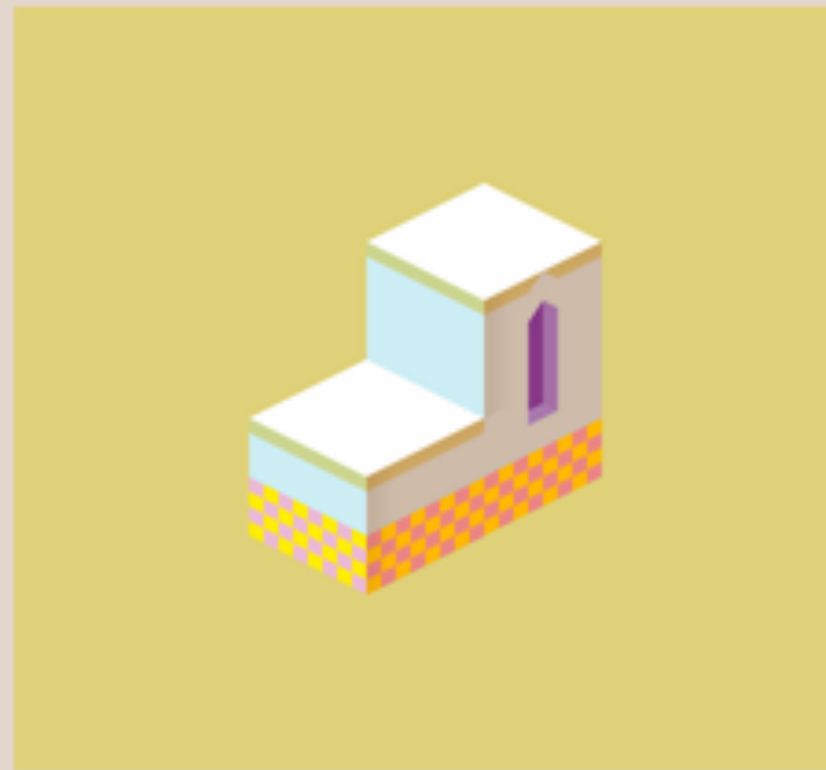
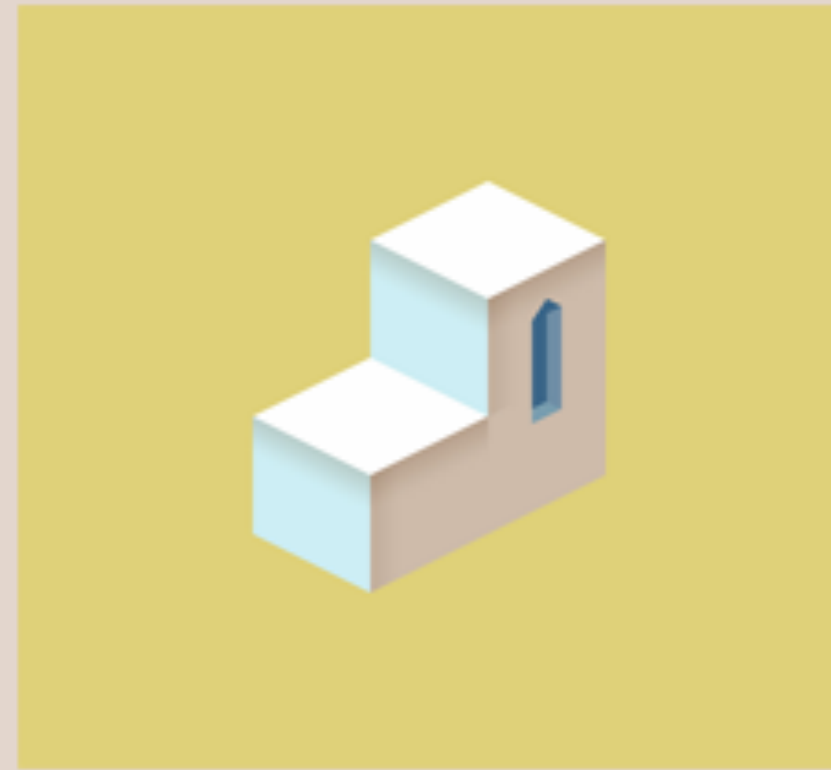
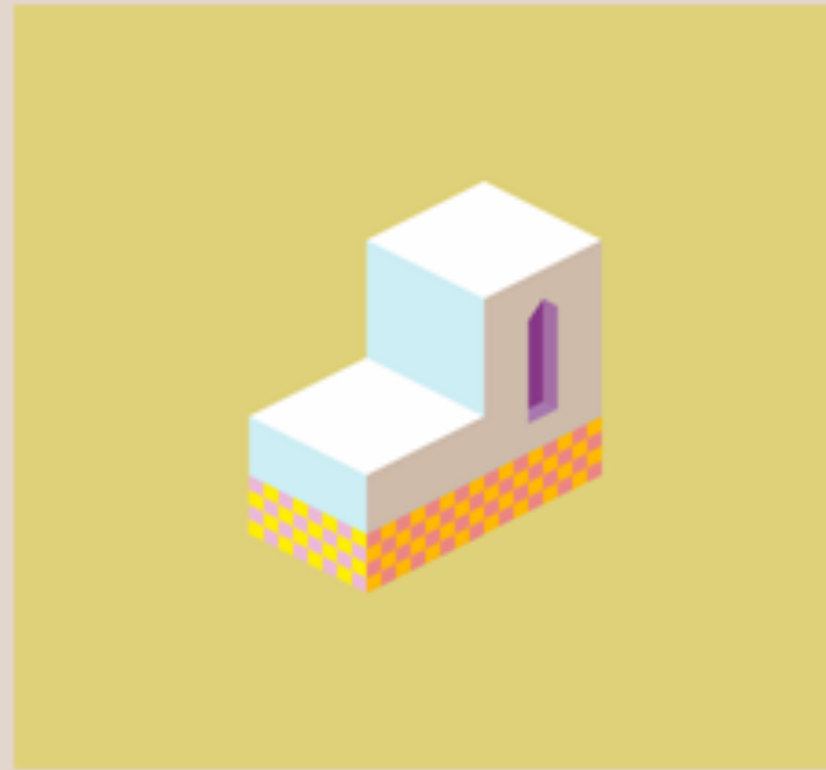
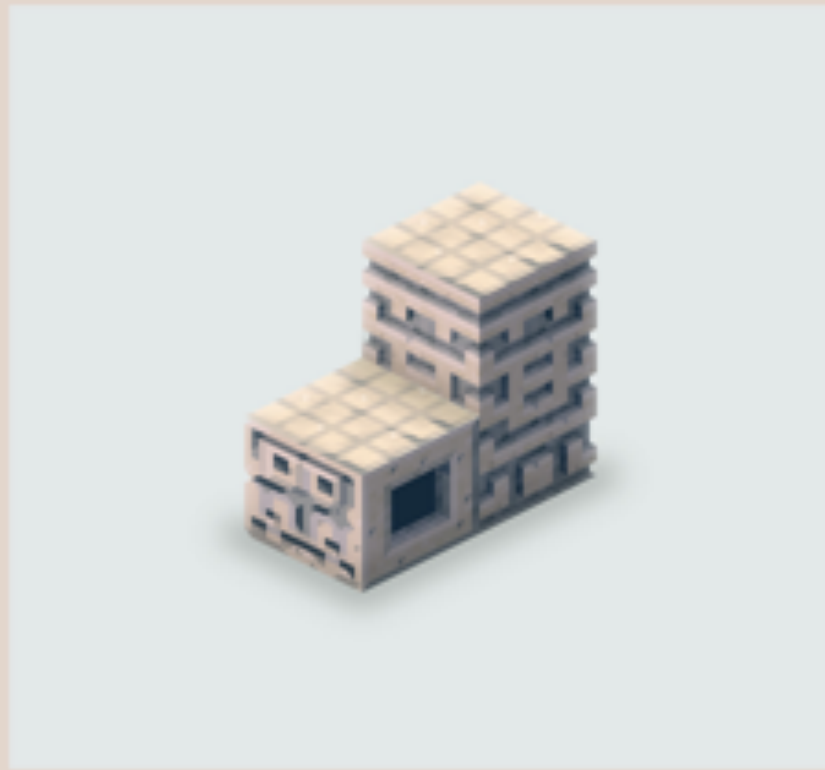
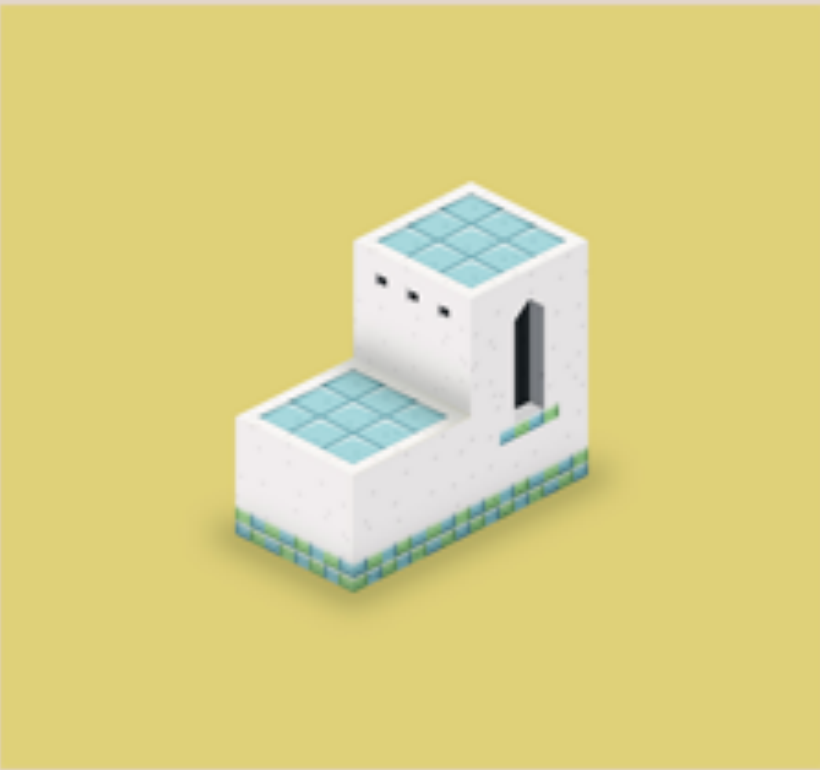




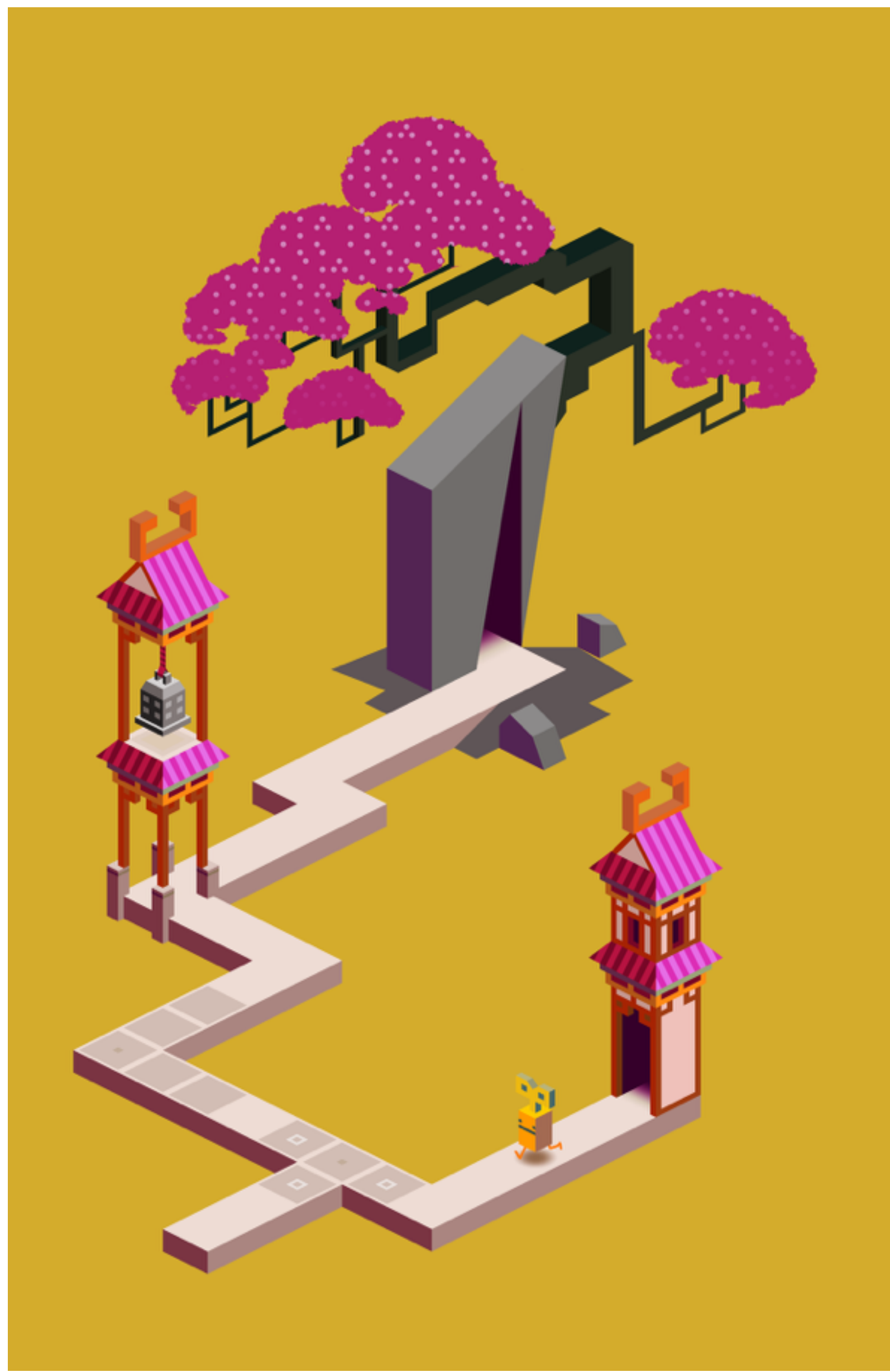





















IN A  
SECRET  
GARDEN  
BENEATH  
A PERFECT  
SURFACE  
I DROWNED  
THE PAST

MONUMENT VALLEY

An isometric illustration from the game Monument Valley. It shows a teal-colored building with a yellow roof and a yellow staircase. The building is set against a light beige background.

ENCASED IN STONE  
SHIELDED FROM WIND  
PROTECTED  
AGAINST LIGHT  
ARMORED AGAINST  
THE MEMORY  
OF HER

MONUMENT VALLEY

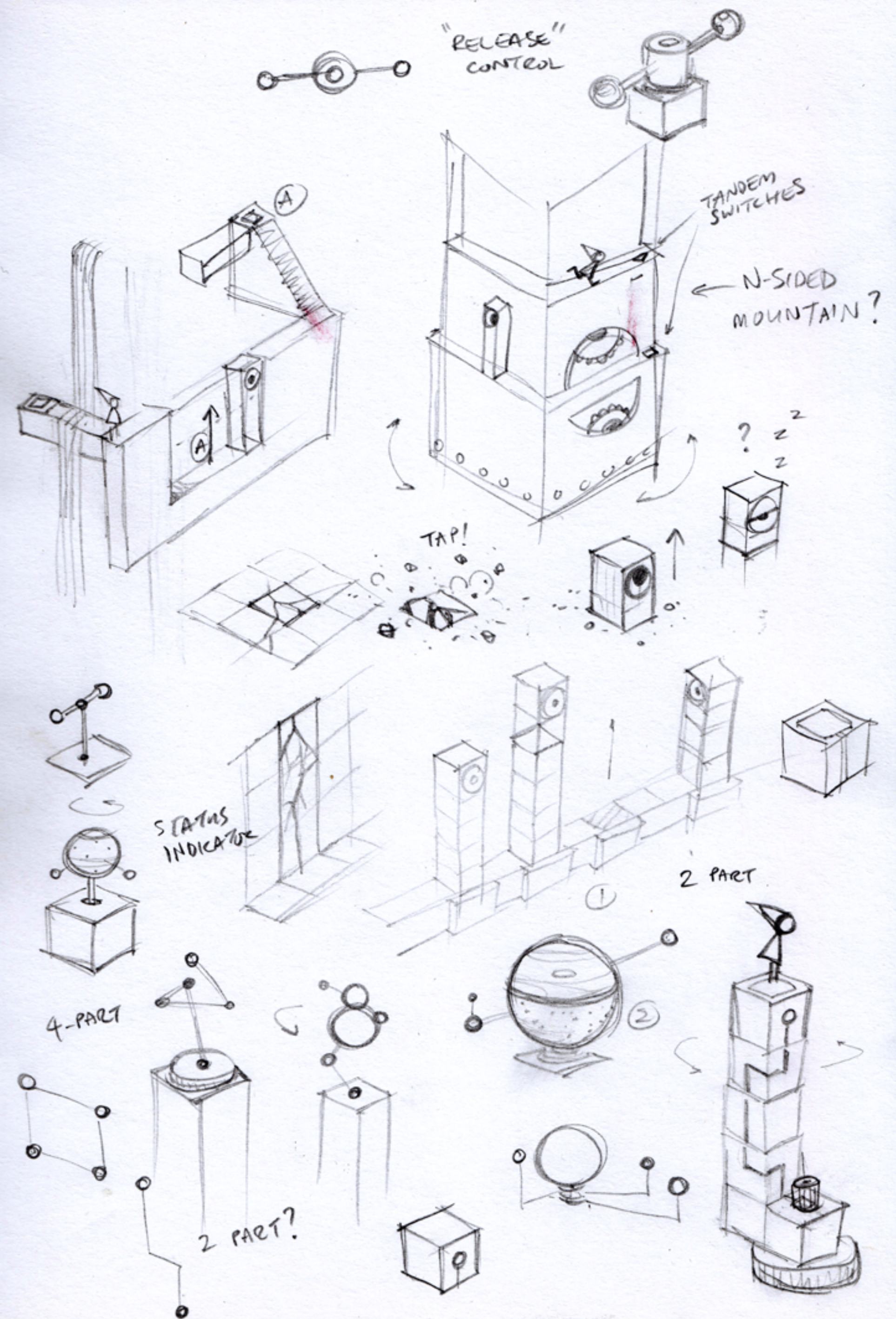
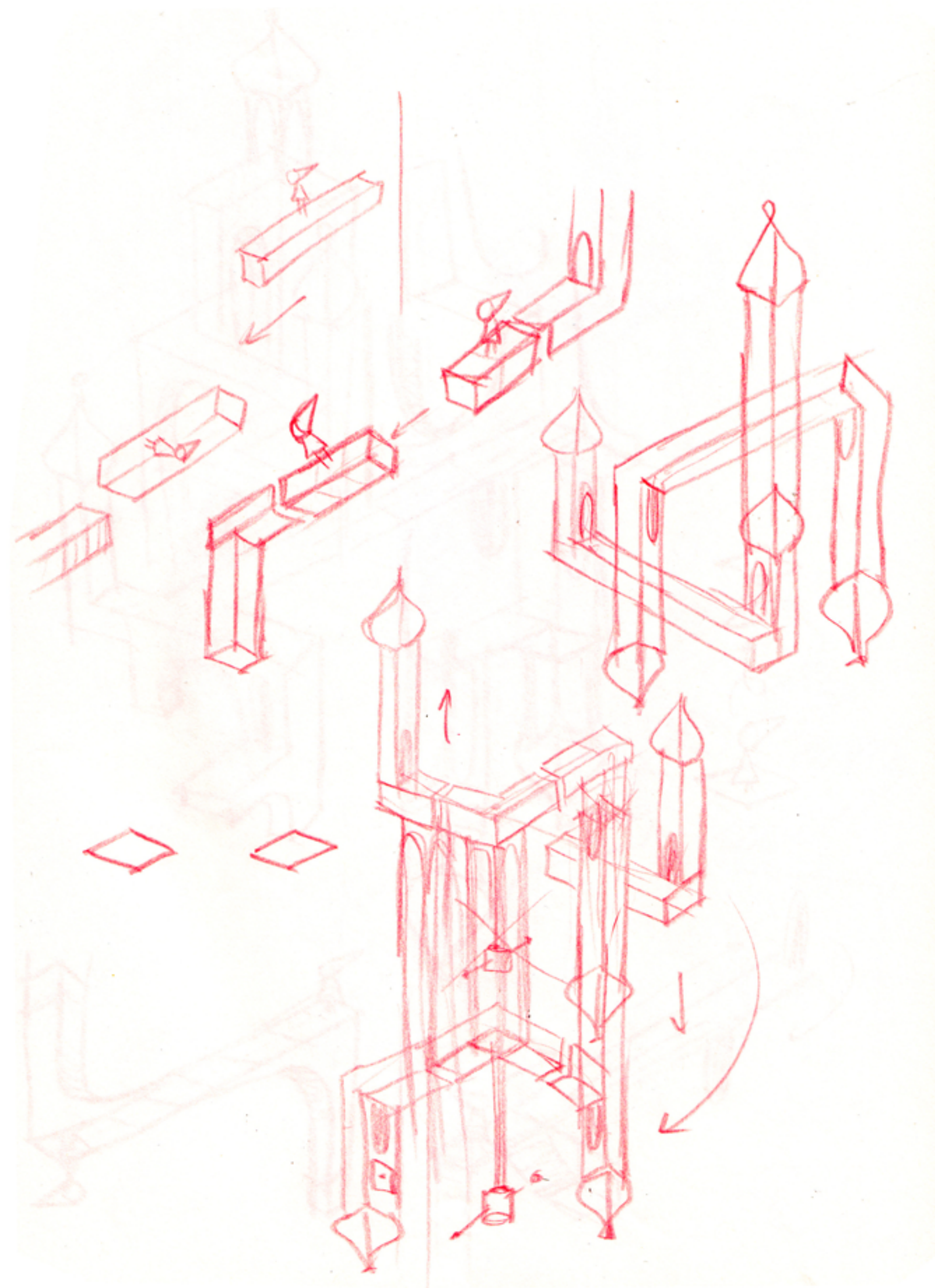




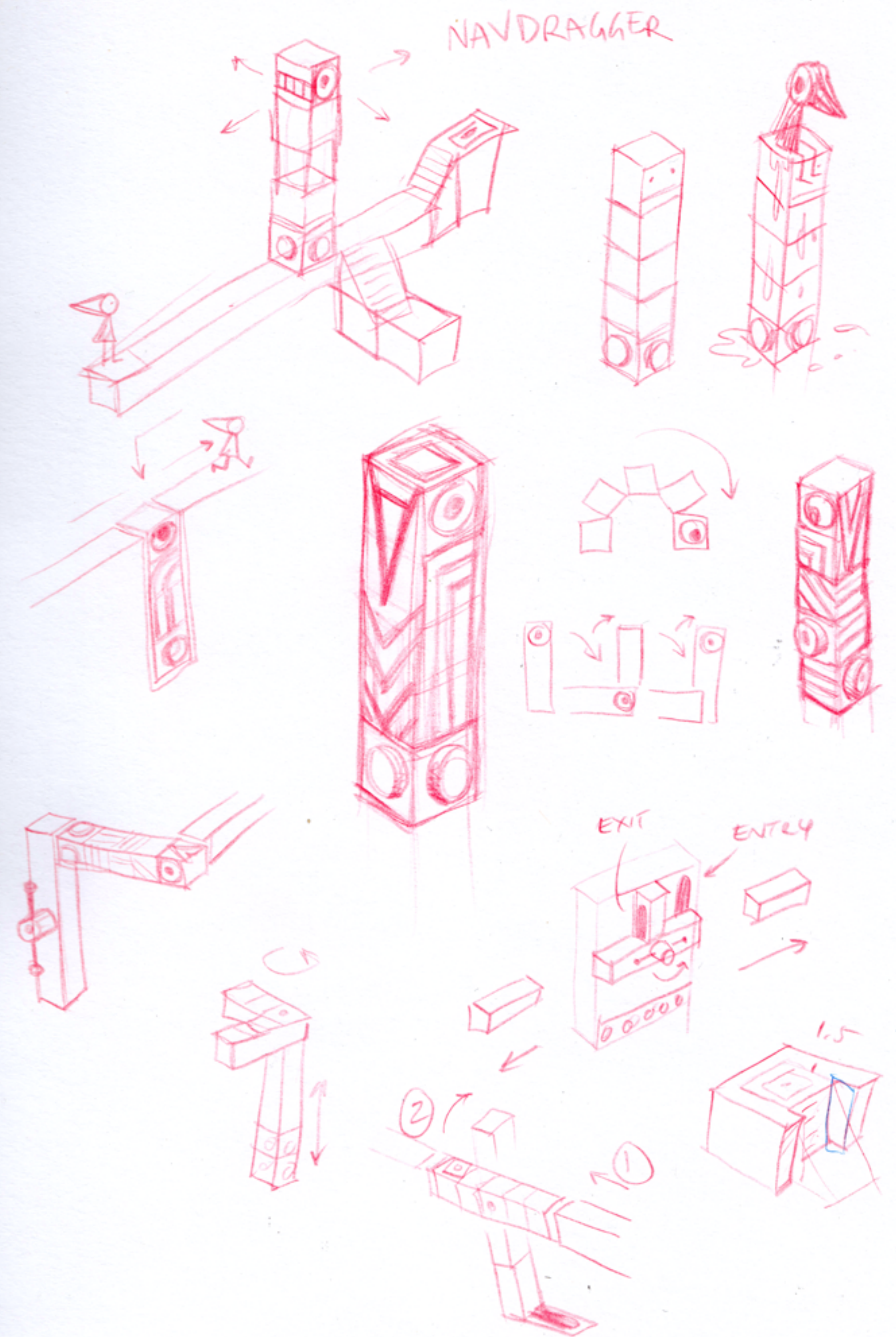
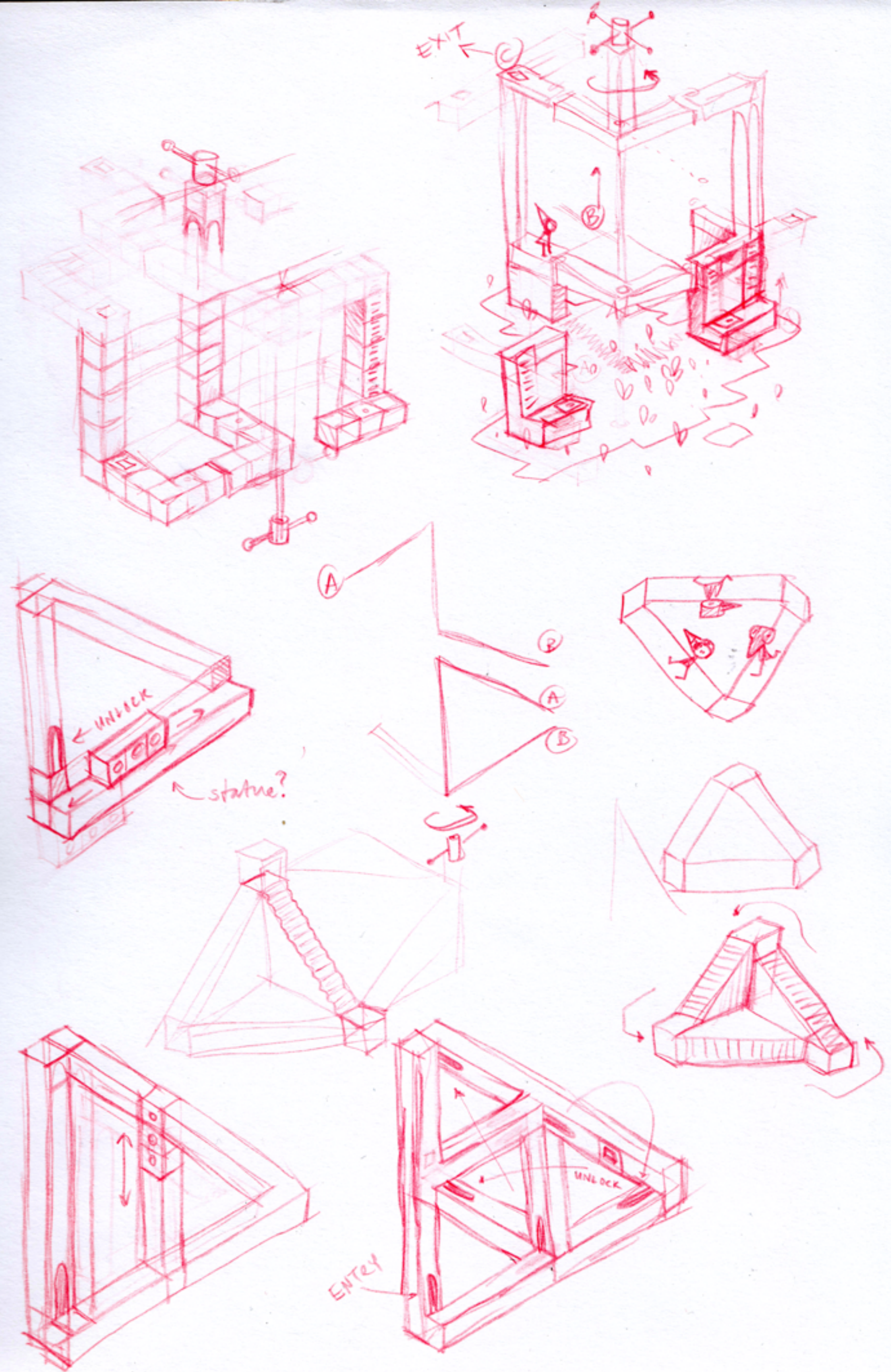
MONUMENT  
VALLEY









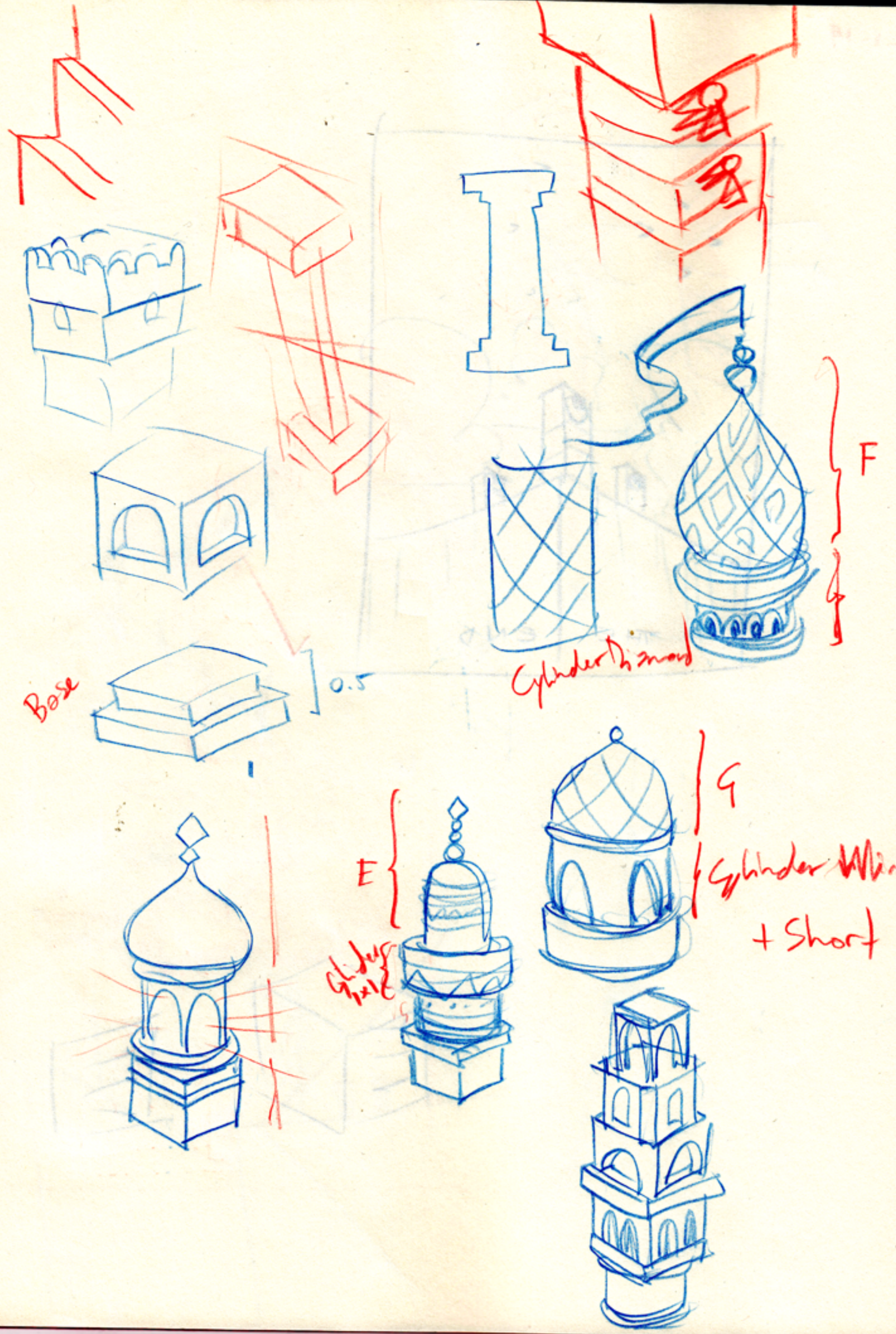




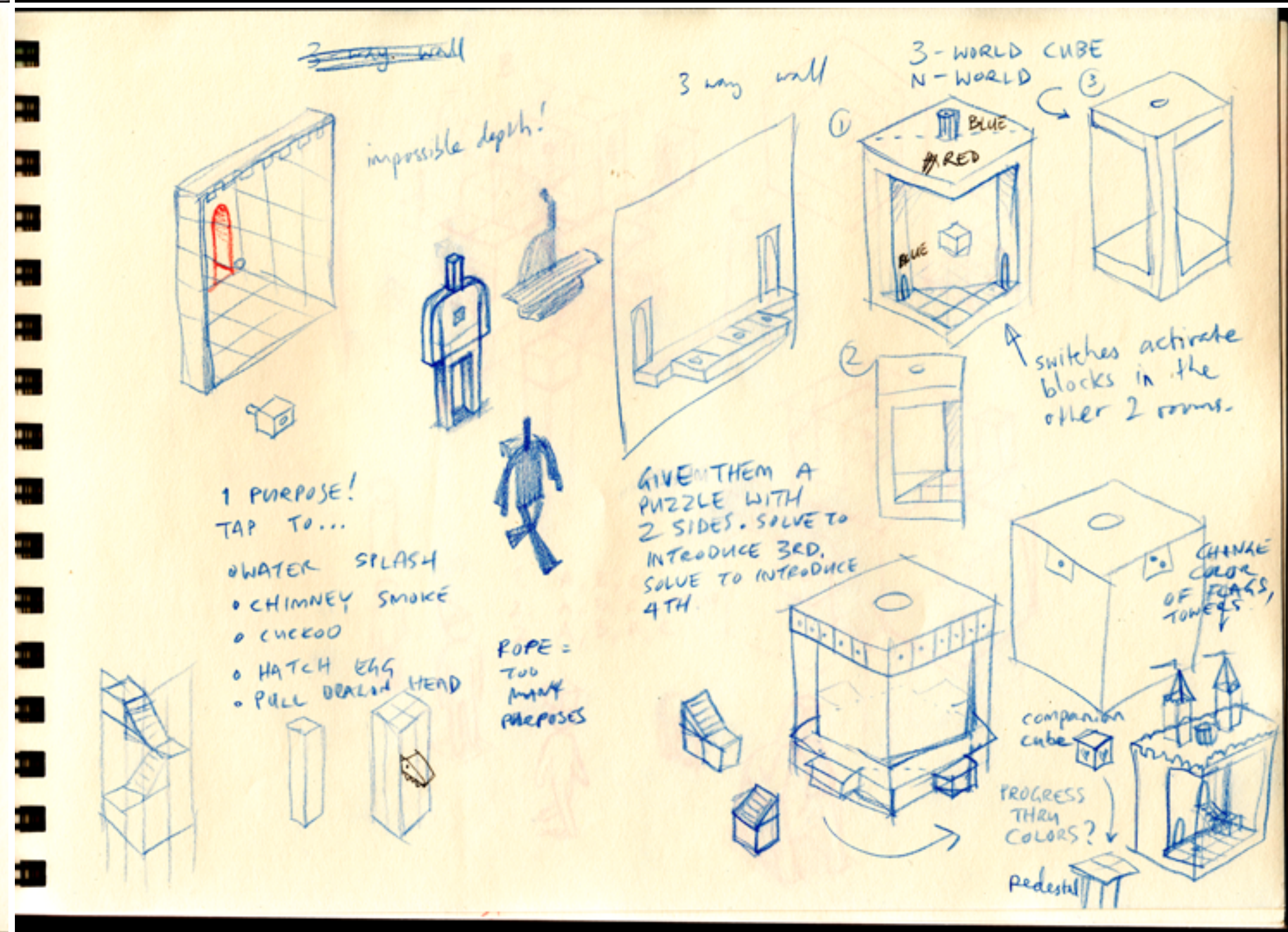
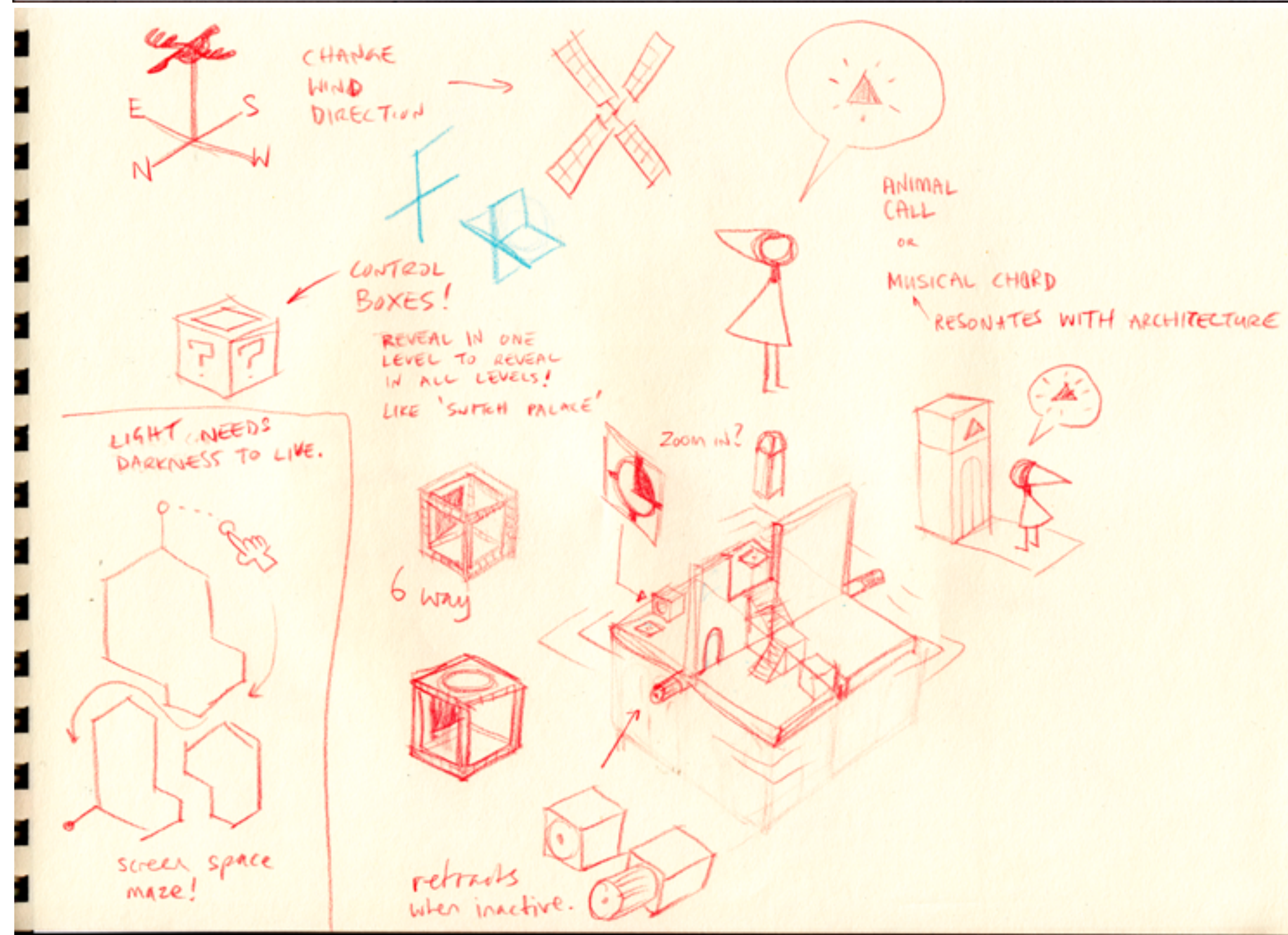
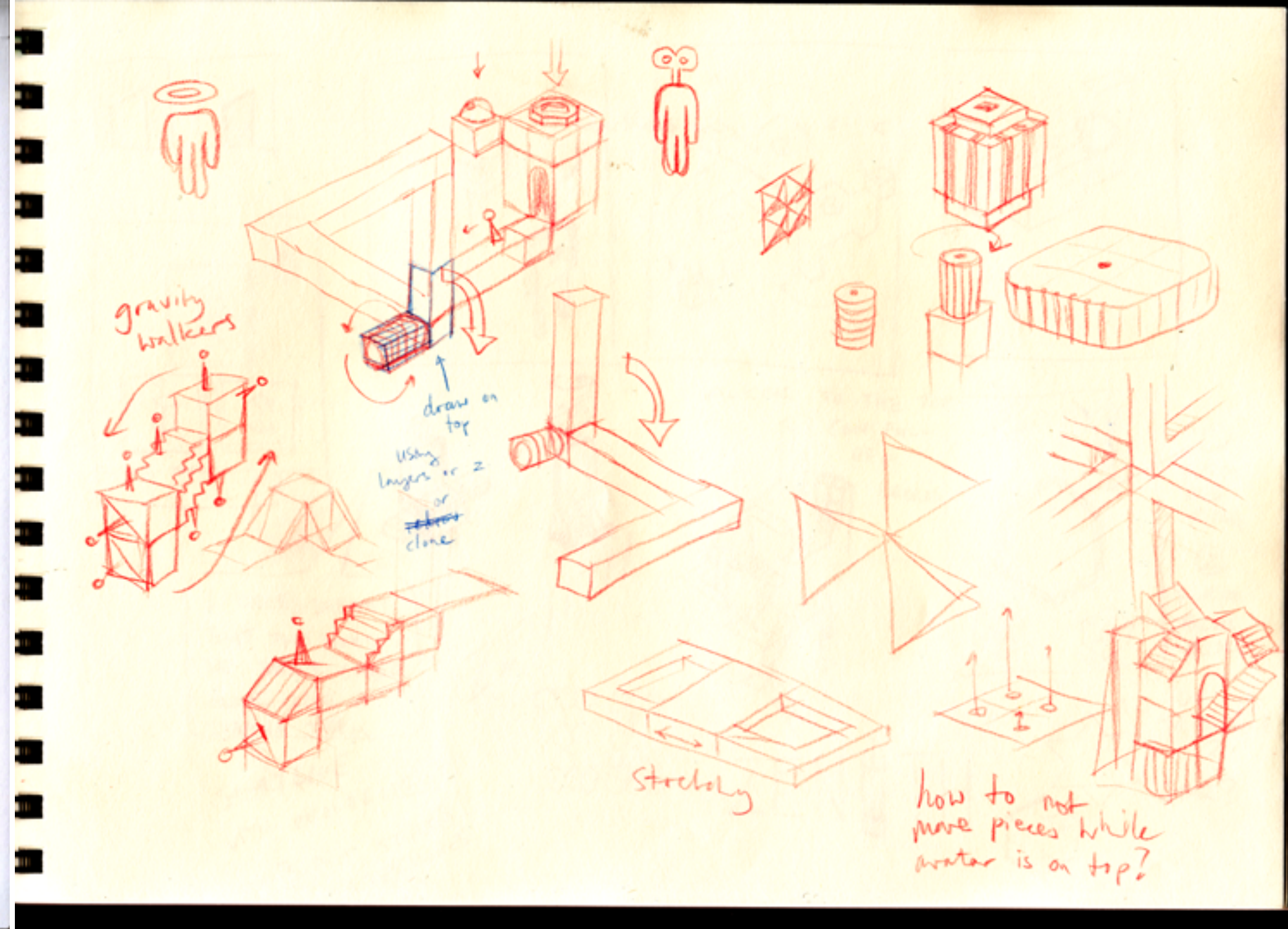
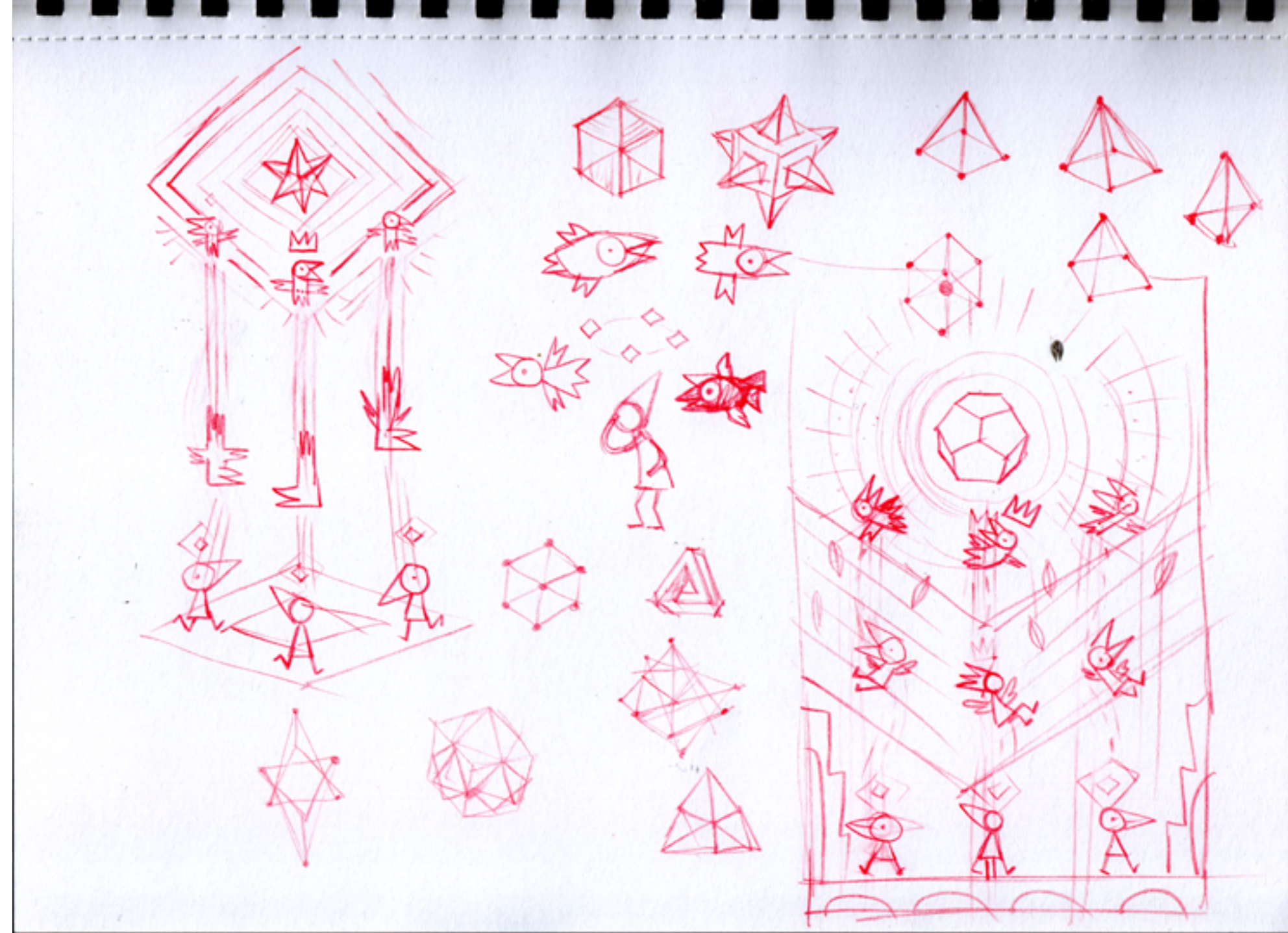
55-10-13

YINK MOUTH FOR CROSS

Bottom 8-10-13



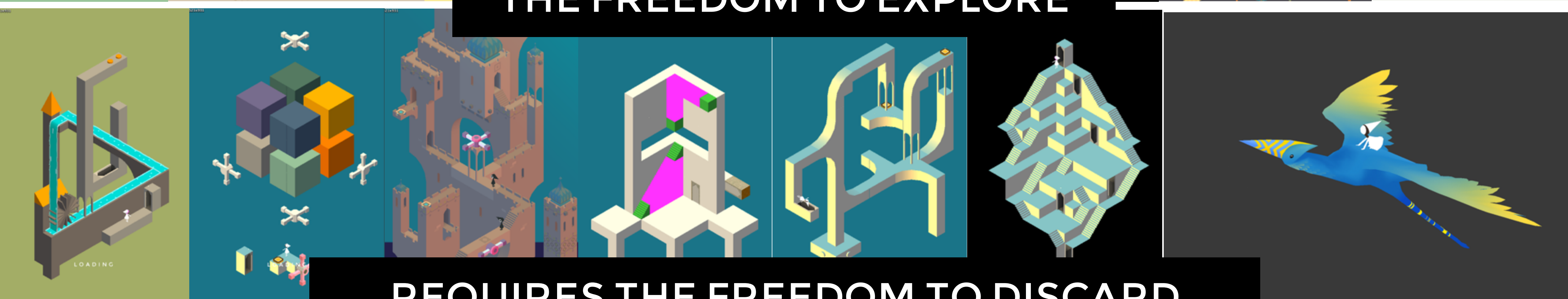




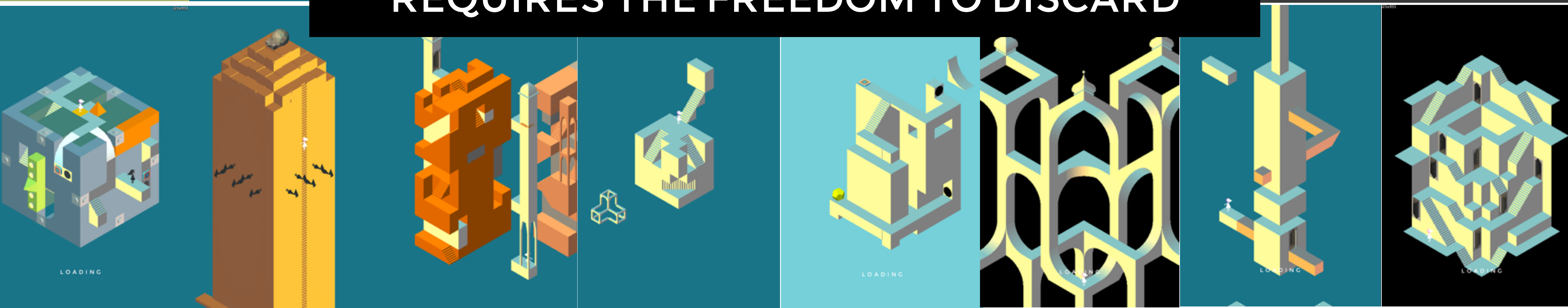




THE FREEDOM TO EXPLORE



REQUIRES THE FREEDOM TO DISCARD





COMPOSITION



SARA QUALEY







photographs and other works of art clustered all over the walls. It was completely  
way.

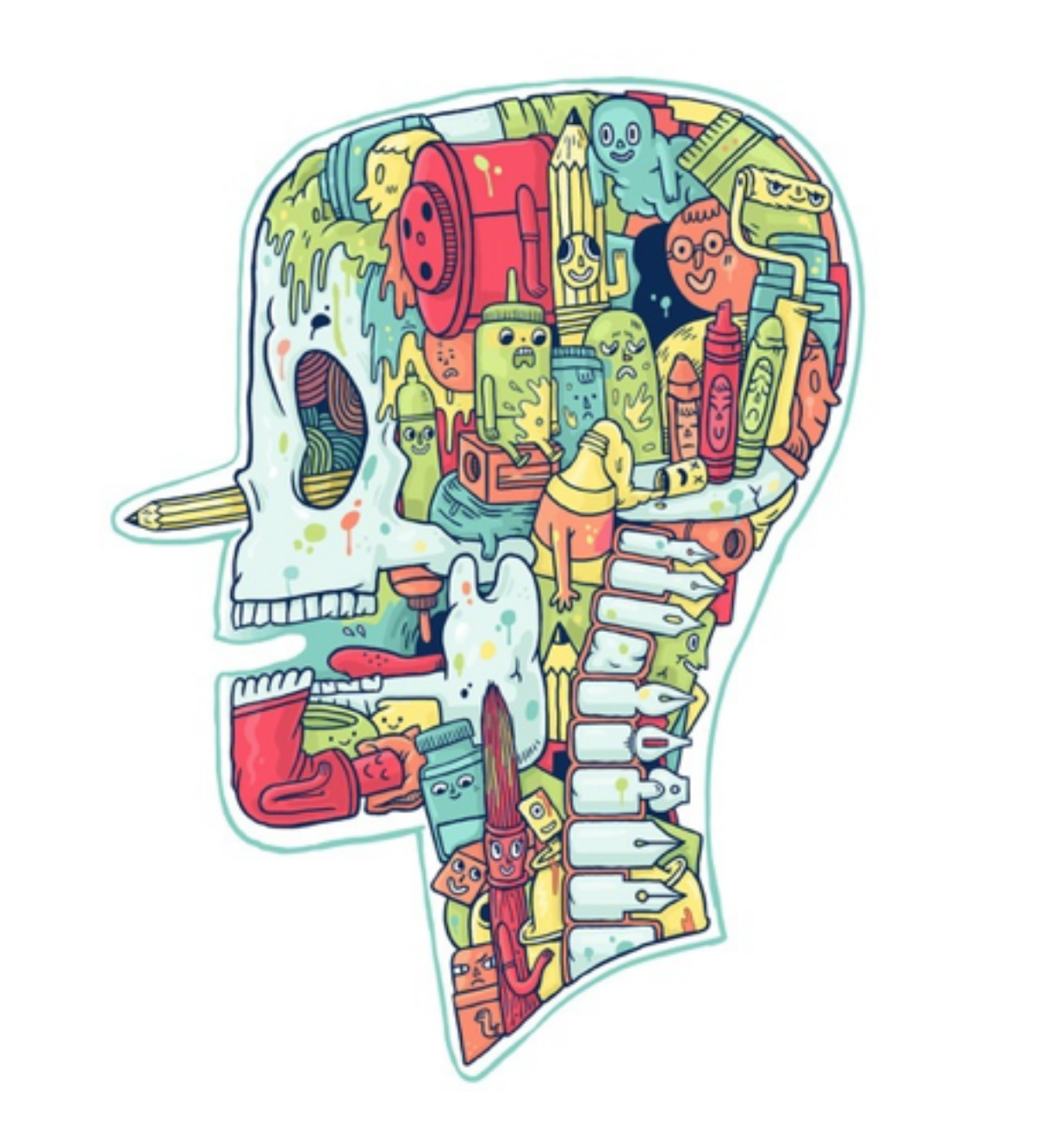
*A mansion ... or a castle perhaps?*



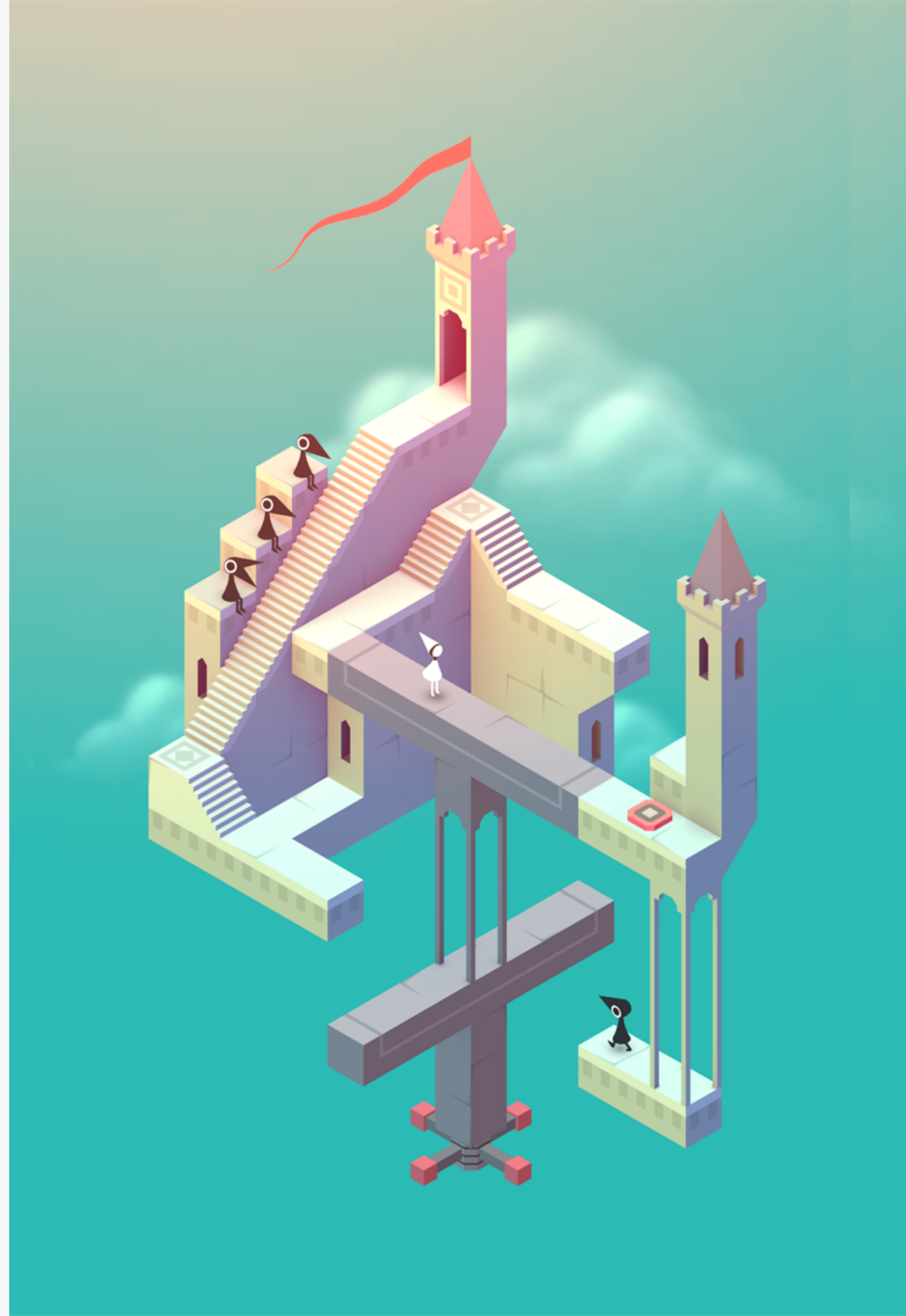




## LITTLE WORLDS











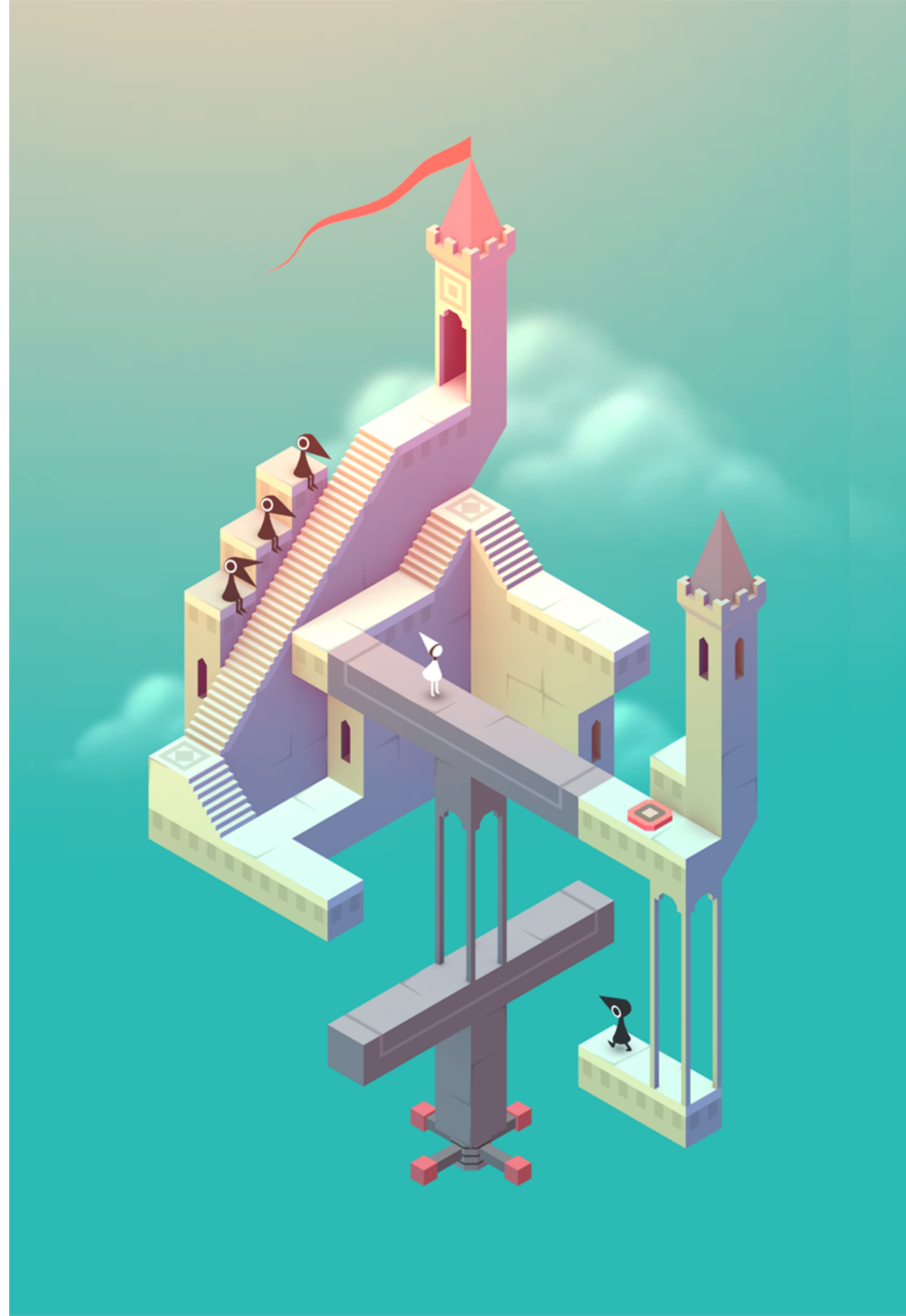




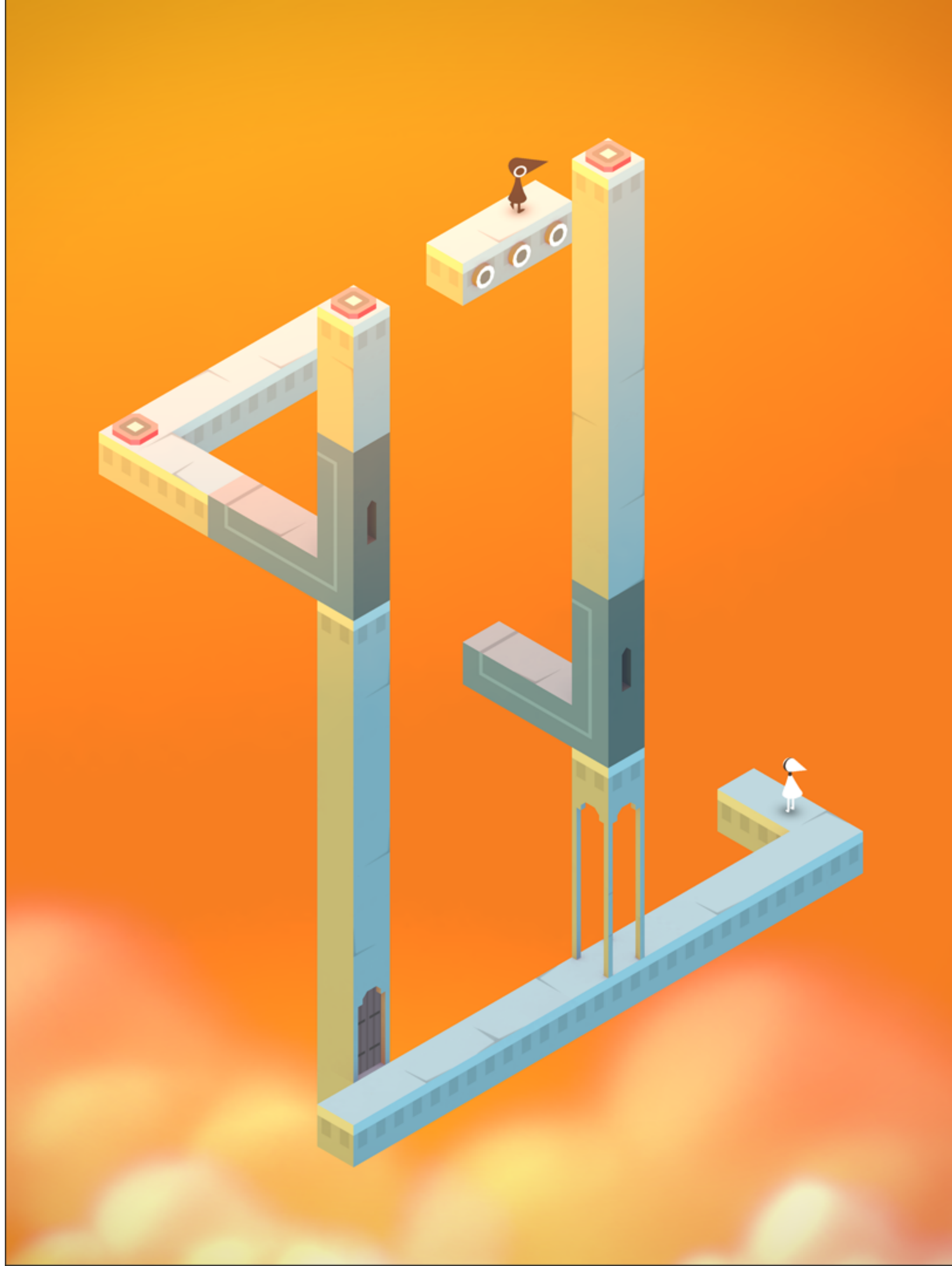


MINIMALISM

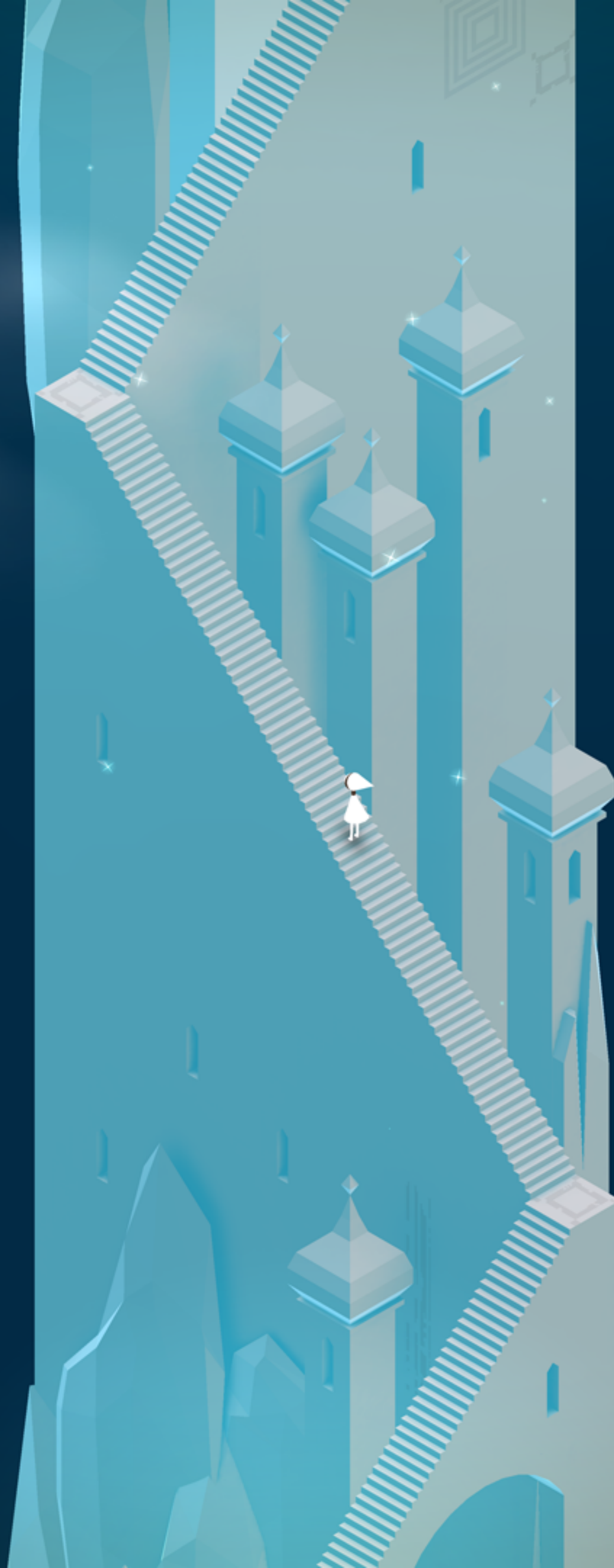








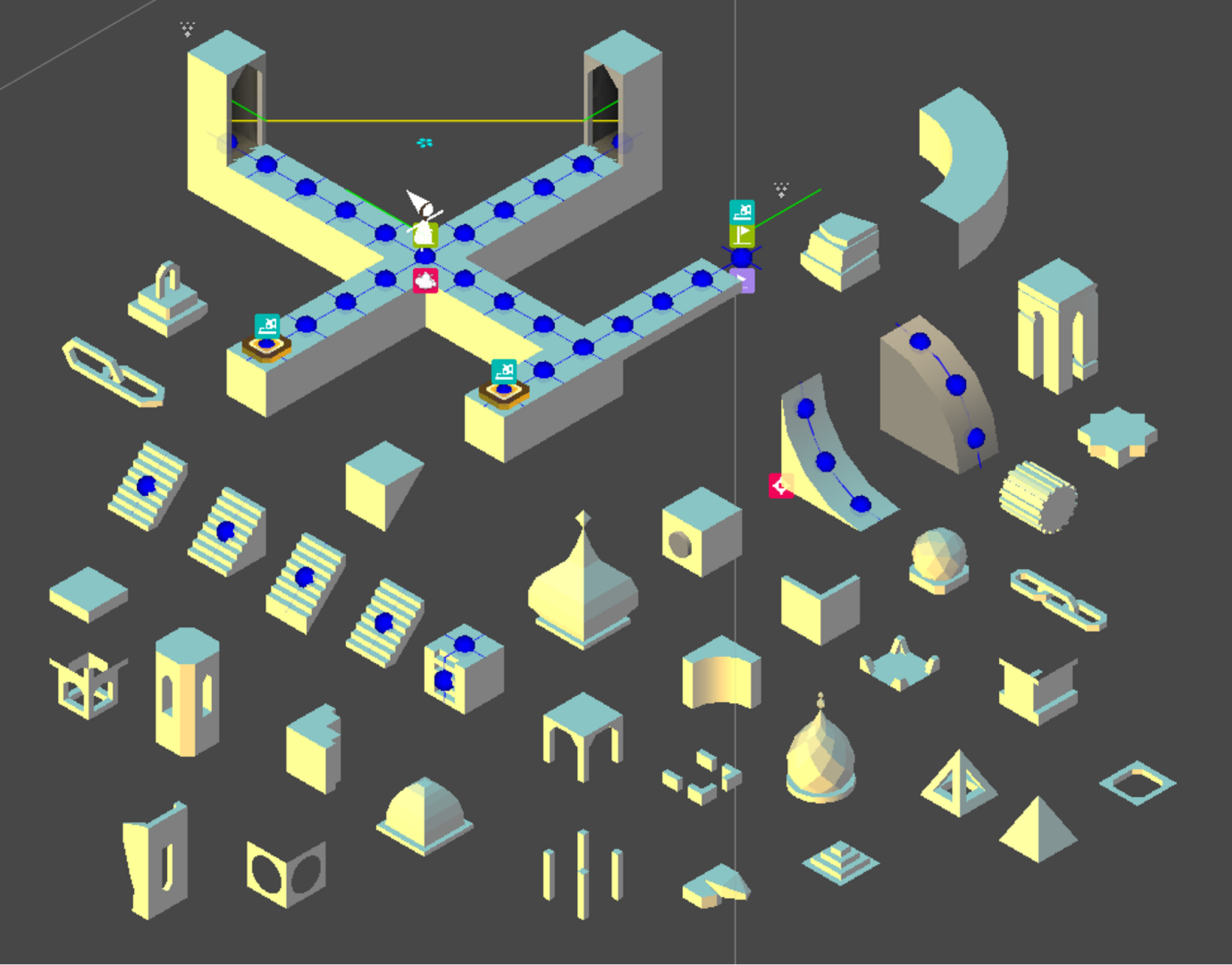






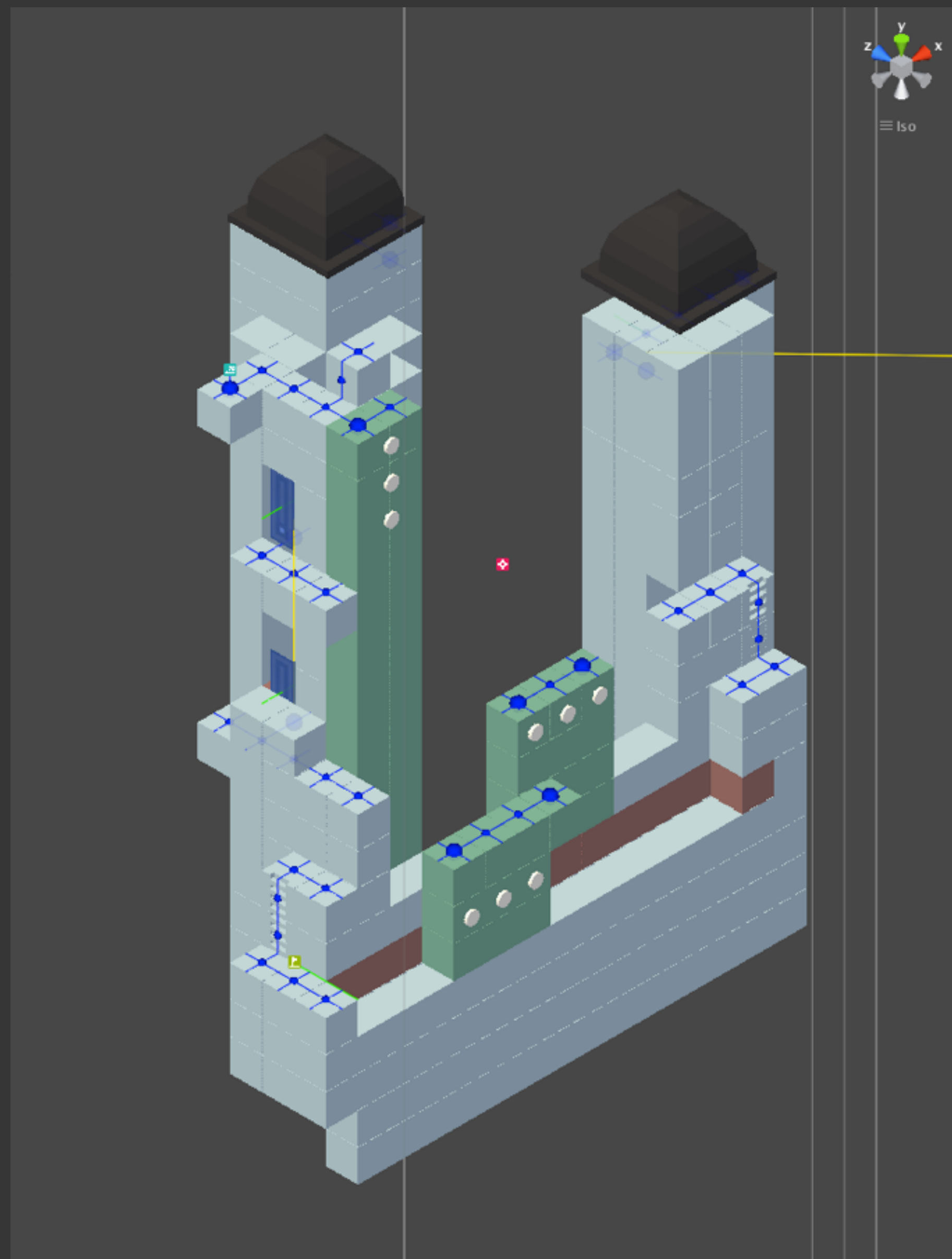
WHITEBOX TO VIS





WHITEBOX  
PIECES  
(PARTIAL)



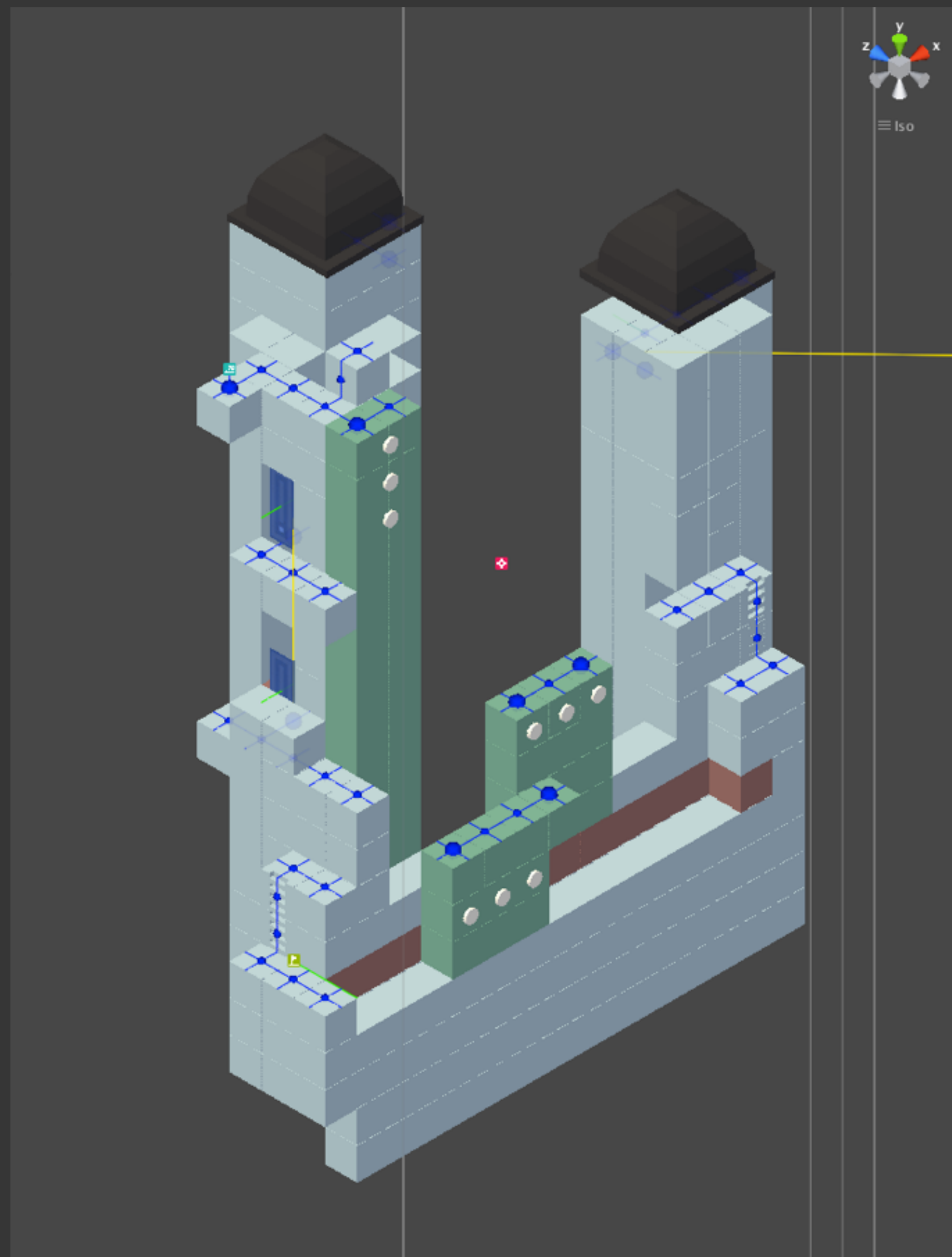


WHITE BOX



FINAL 'VIS'





WHITE BOX



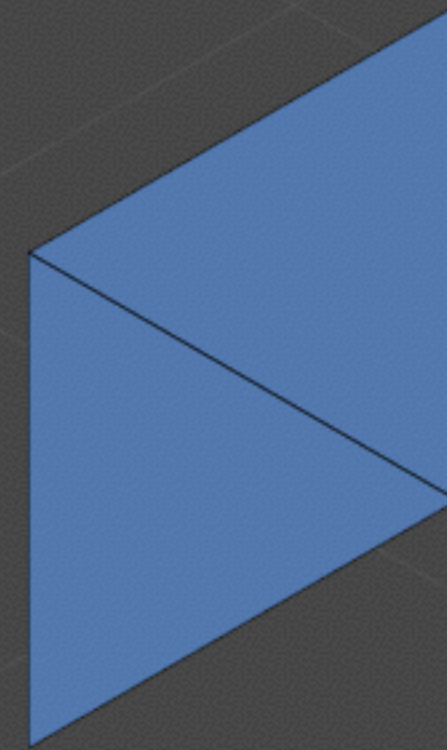
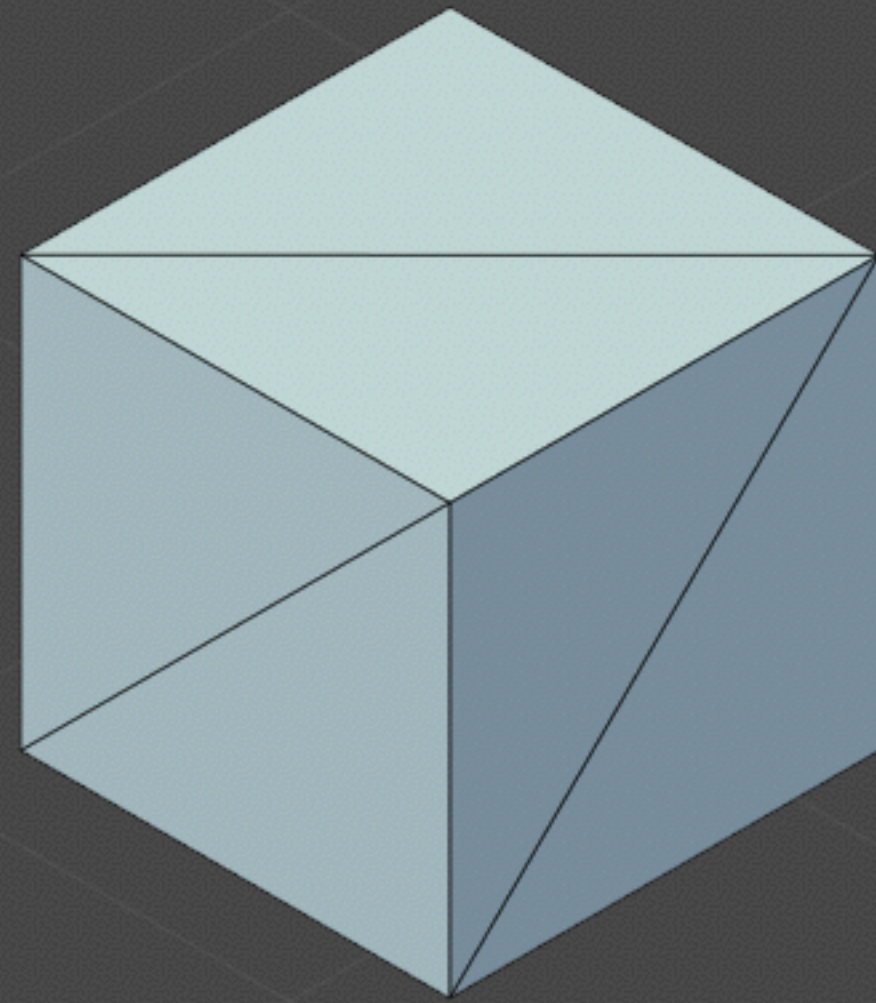
FINAL 'VIS'



CUBES

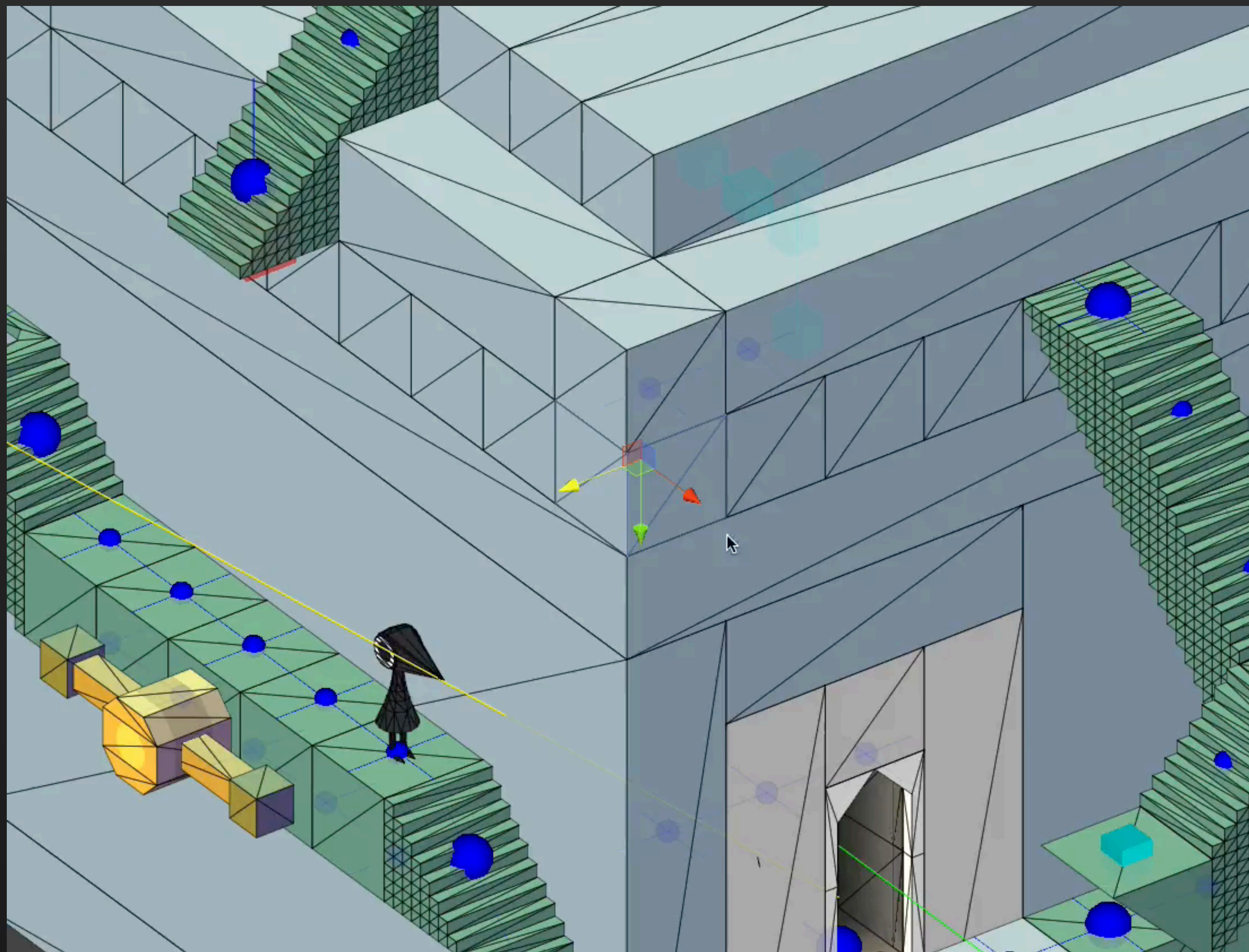


QUADS



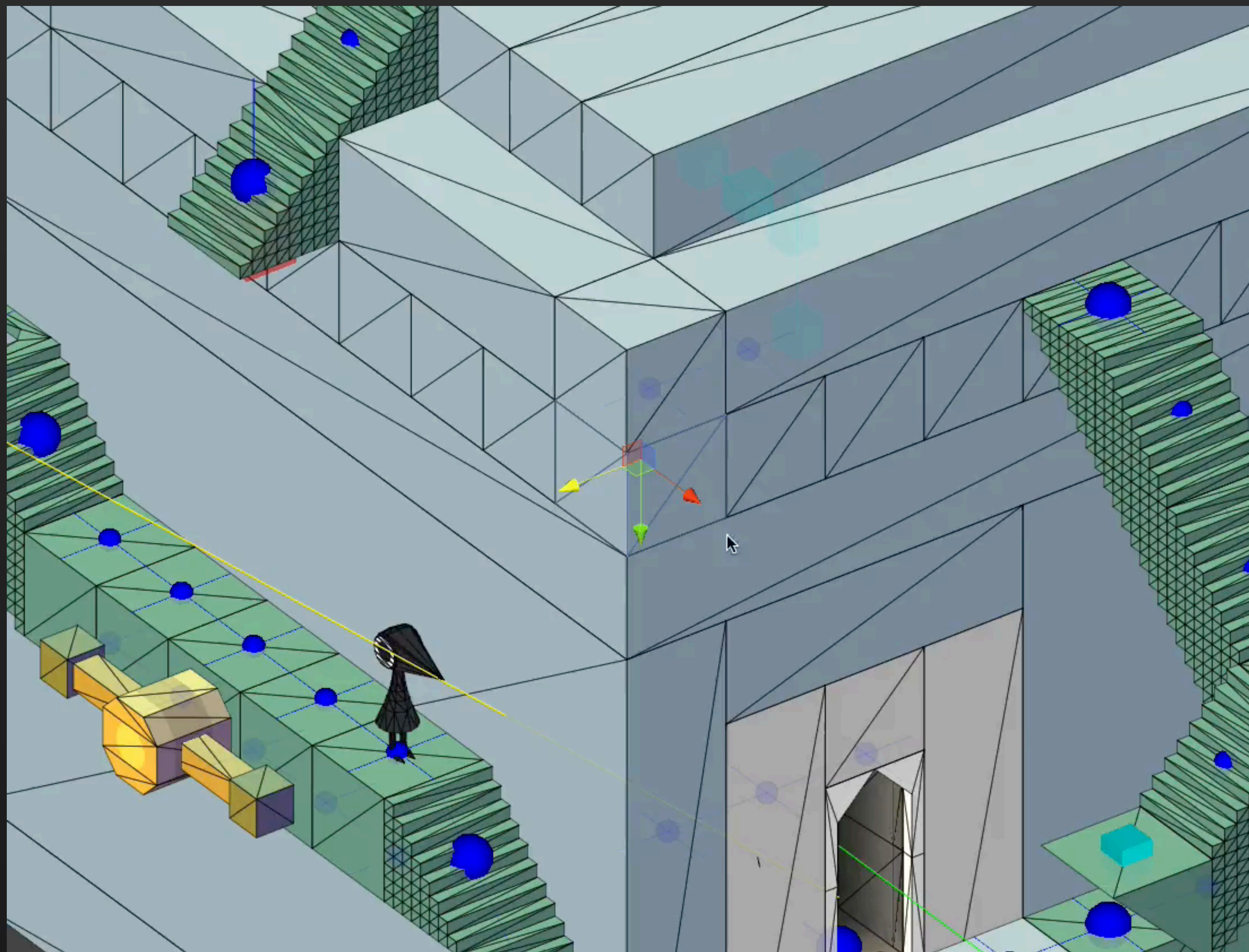


# WHITEBOX



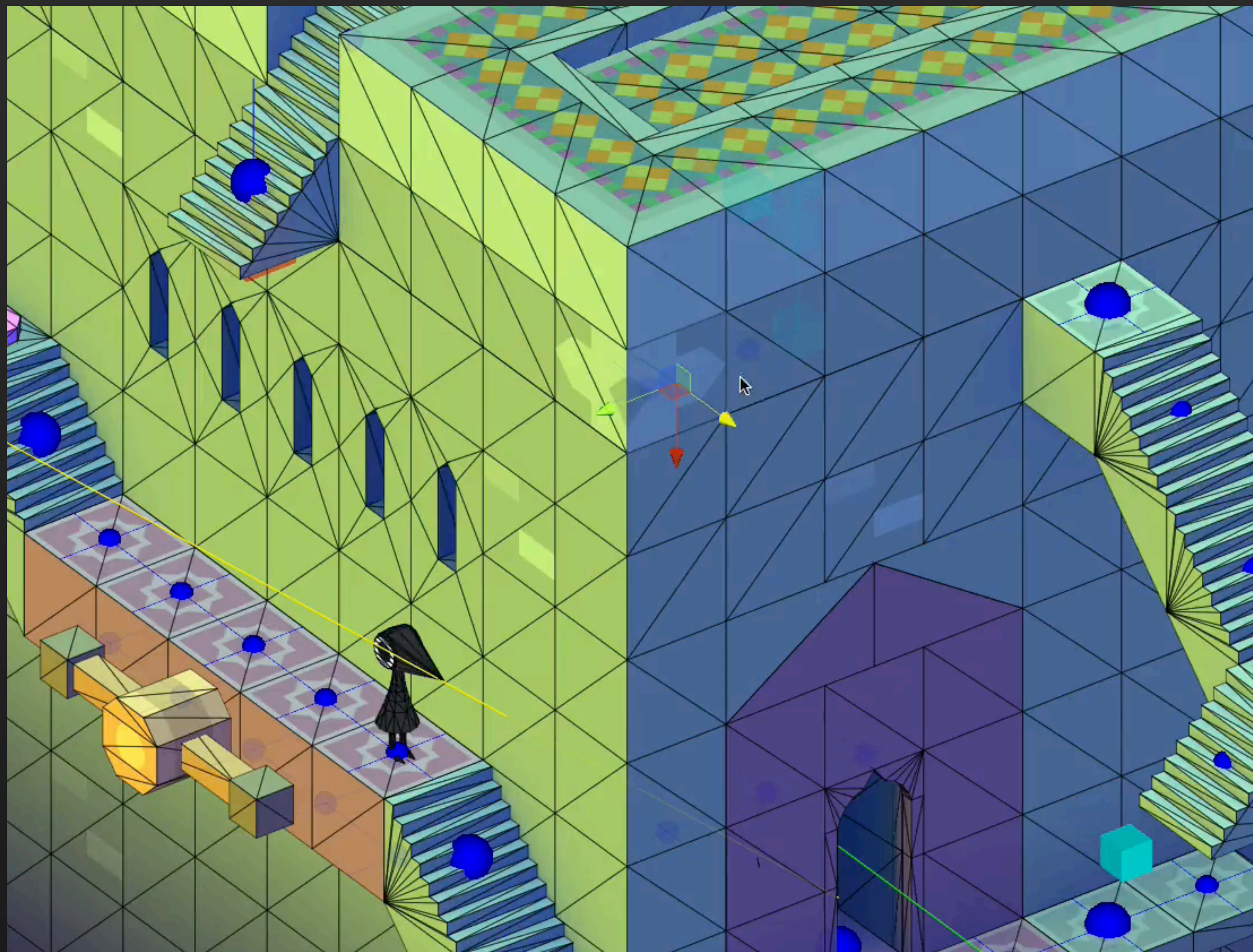


# WHITEBOX



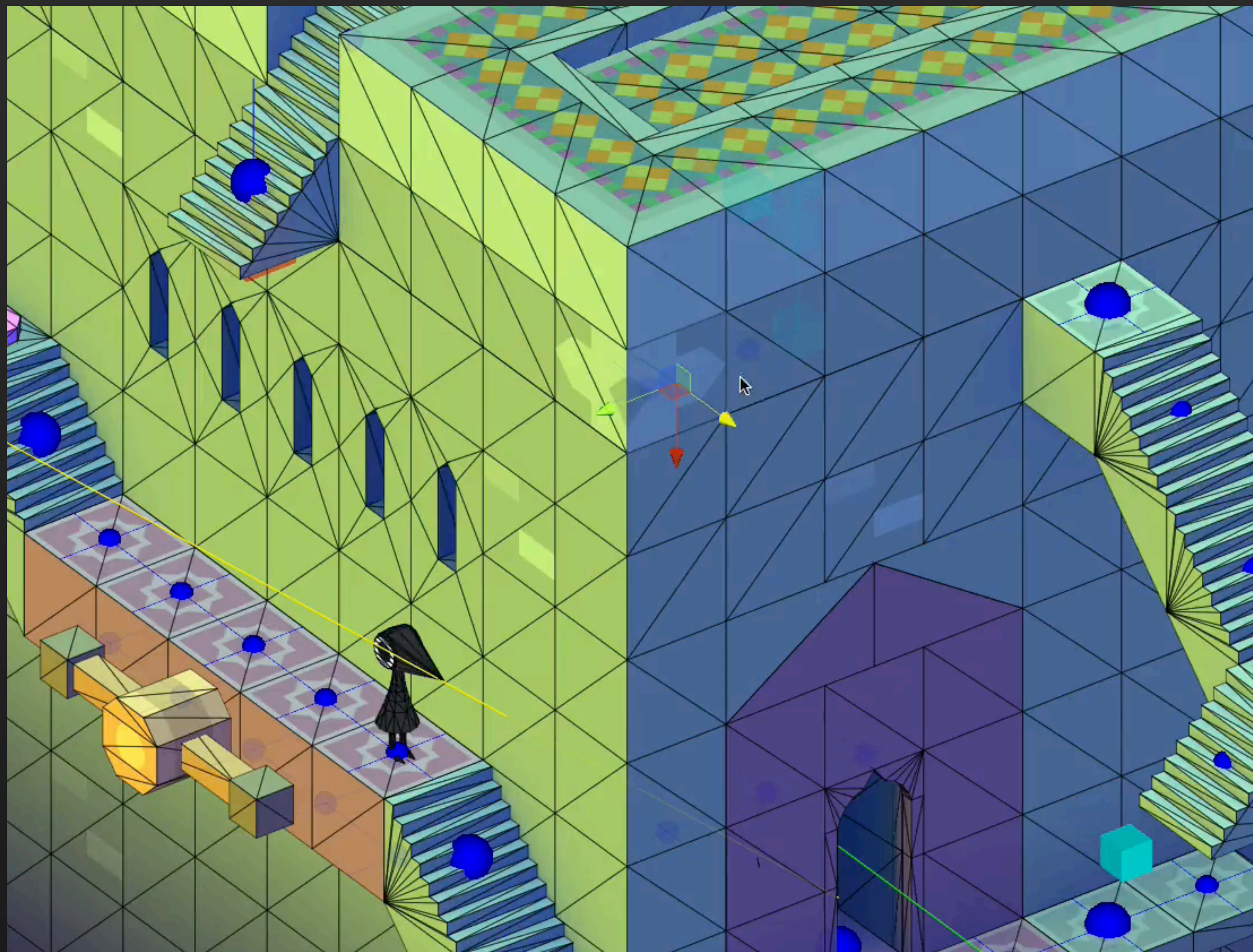


VIS



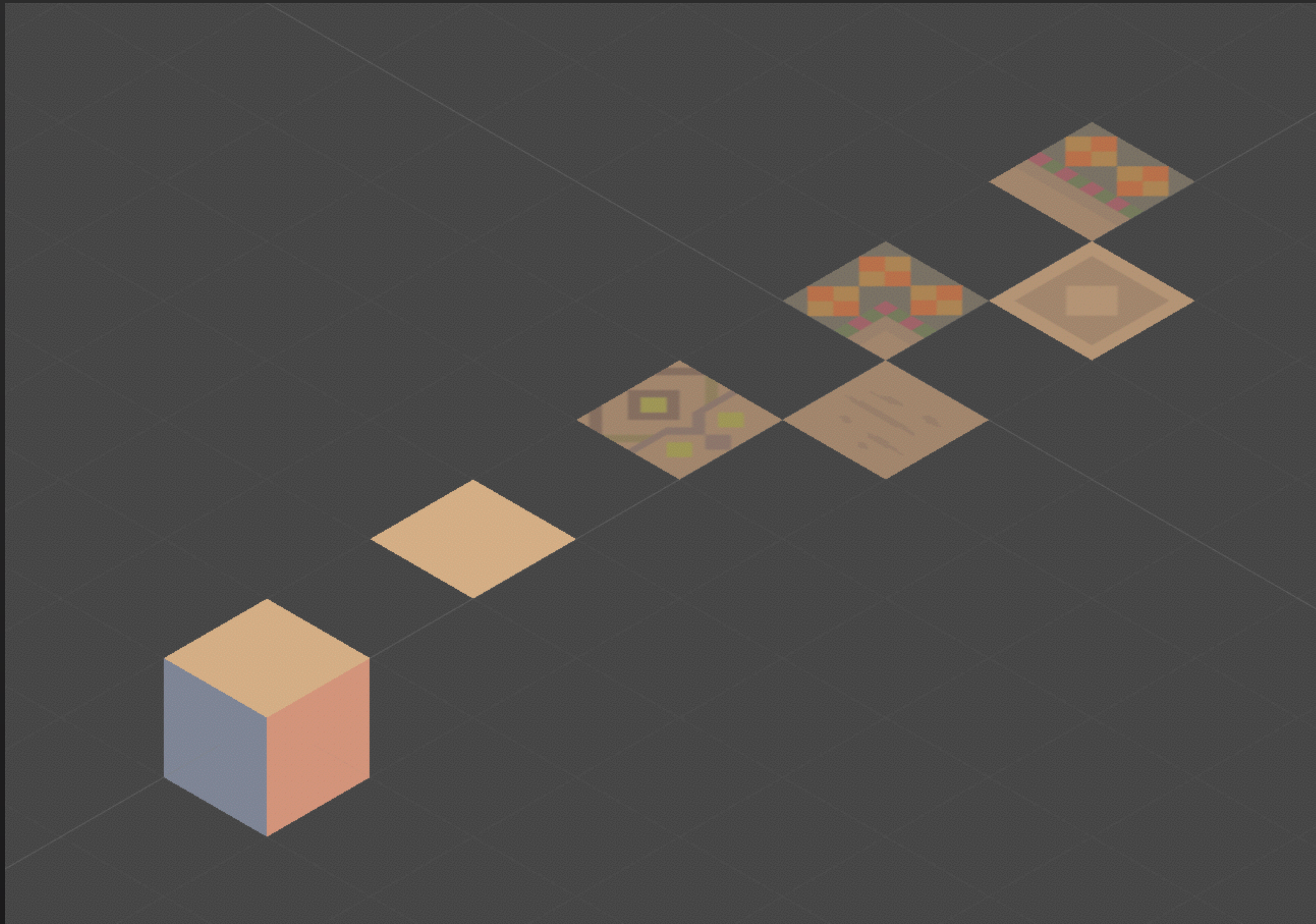


VIS





# MESH VARIATION PIPELINE





# TEXTURE ONLY





# 'LIGHTING' ONLY





# TEXTURE + LIGHTING





## + AMBIENT OCCLUSION





# OVERLAYS





# VIGNETTE





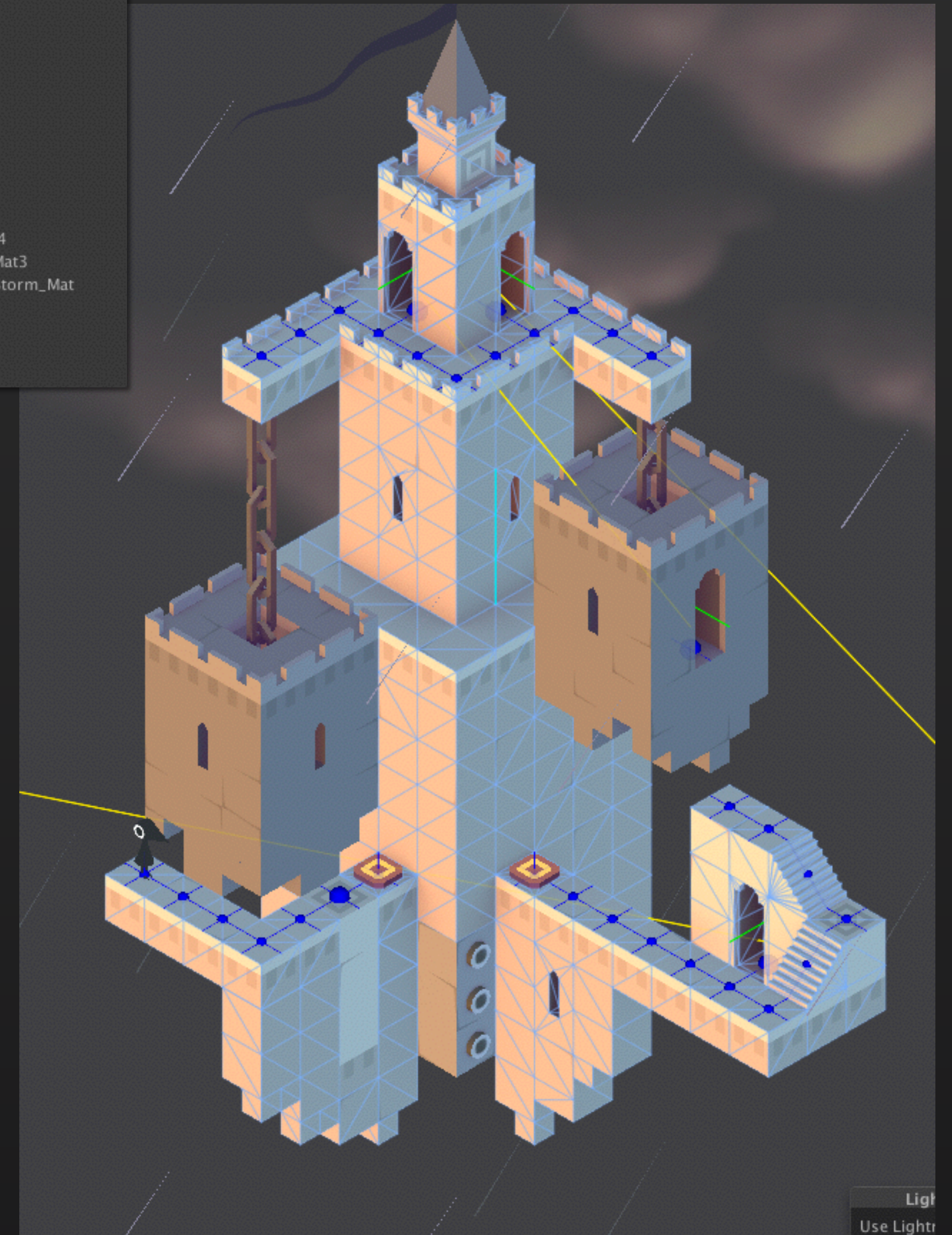
WHITEBOX



FINAL









COLORS & SHADERS





## ISOMETRIC ART

UP



LEFT

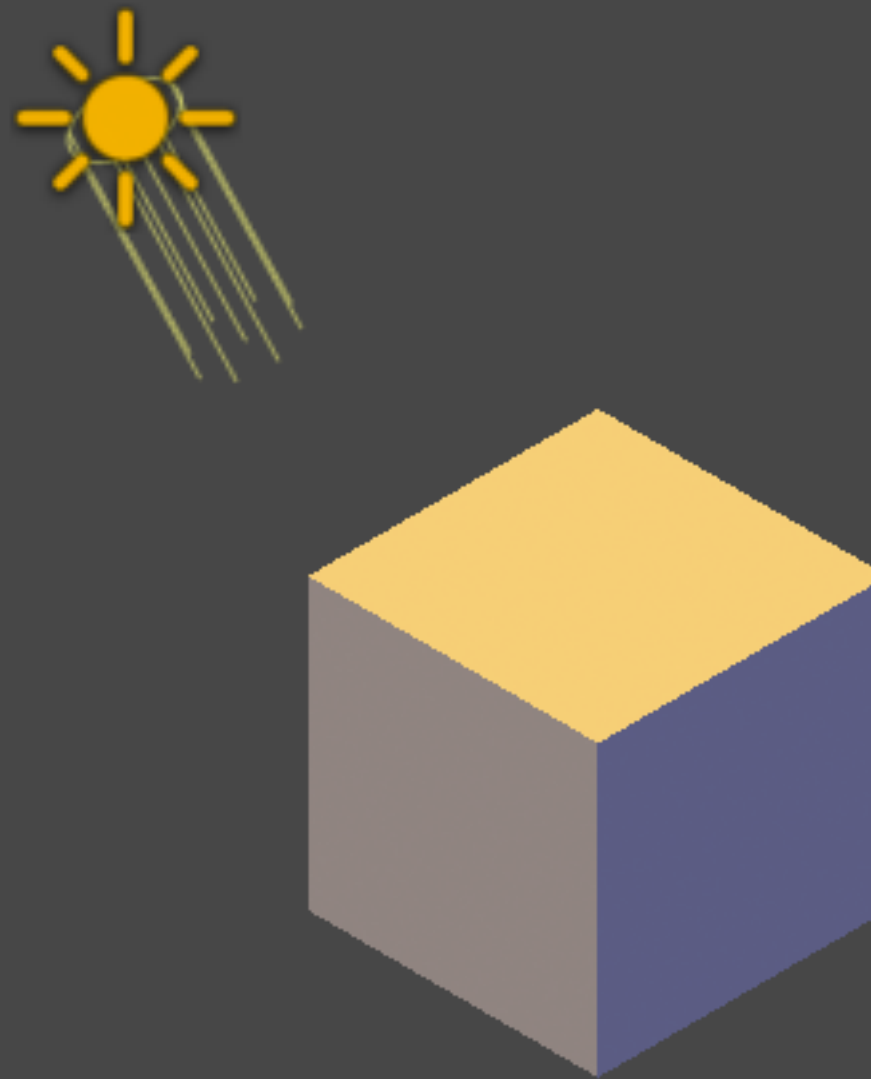


RIGHT

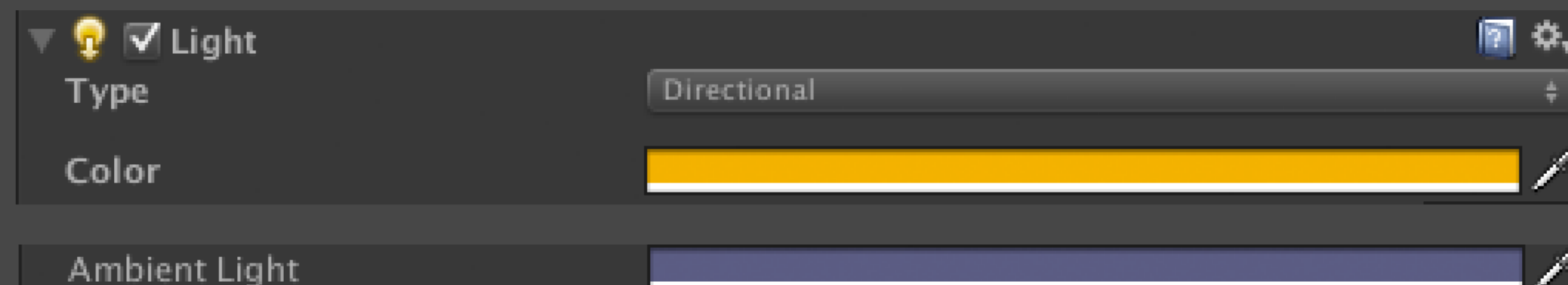




# DEFAULT (LAMBERT) SHADING USING DIRECTIONAL LIGHT



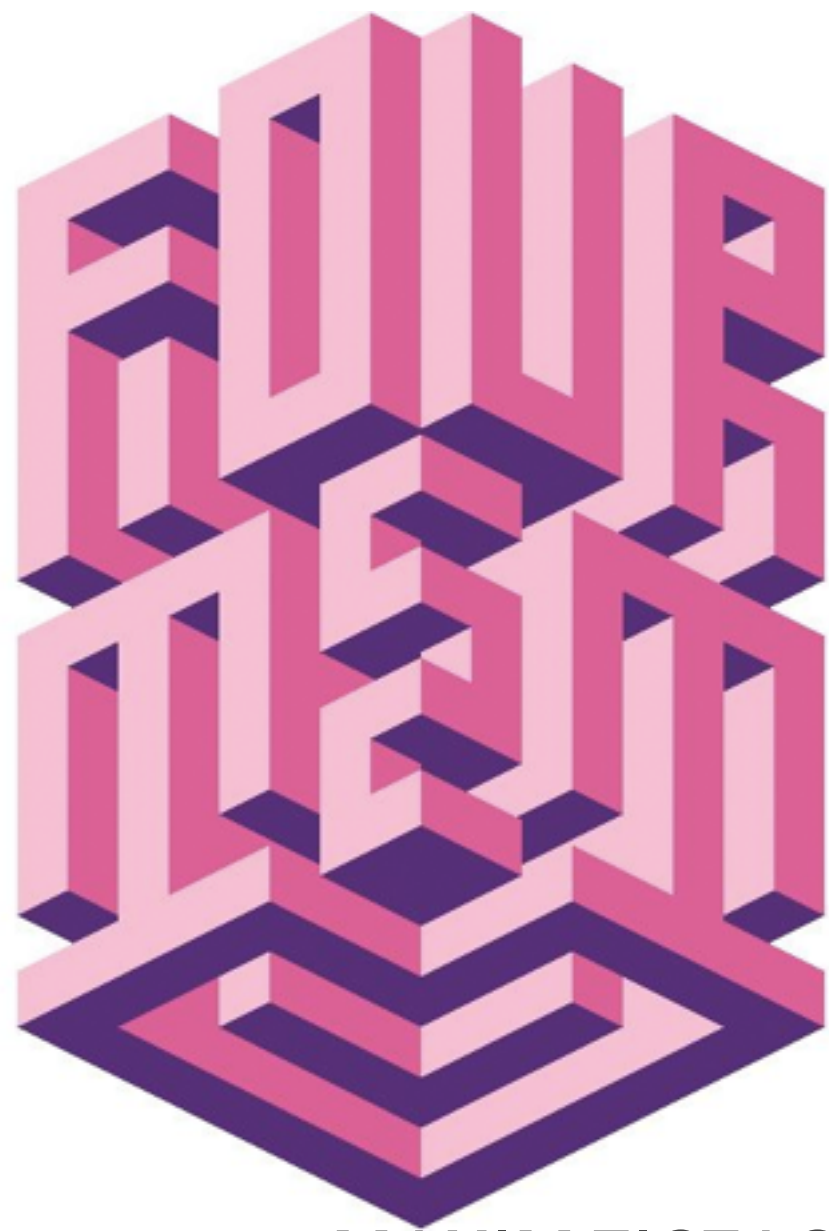
SOURCE COLORS



RESULT COLORS







MAXIM TICTAC

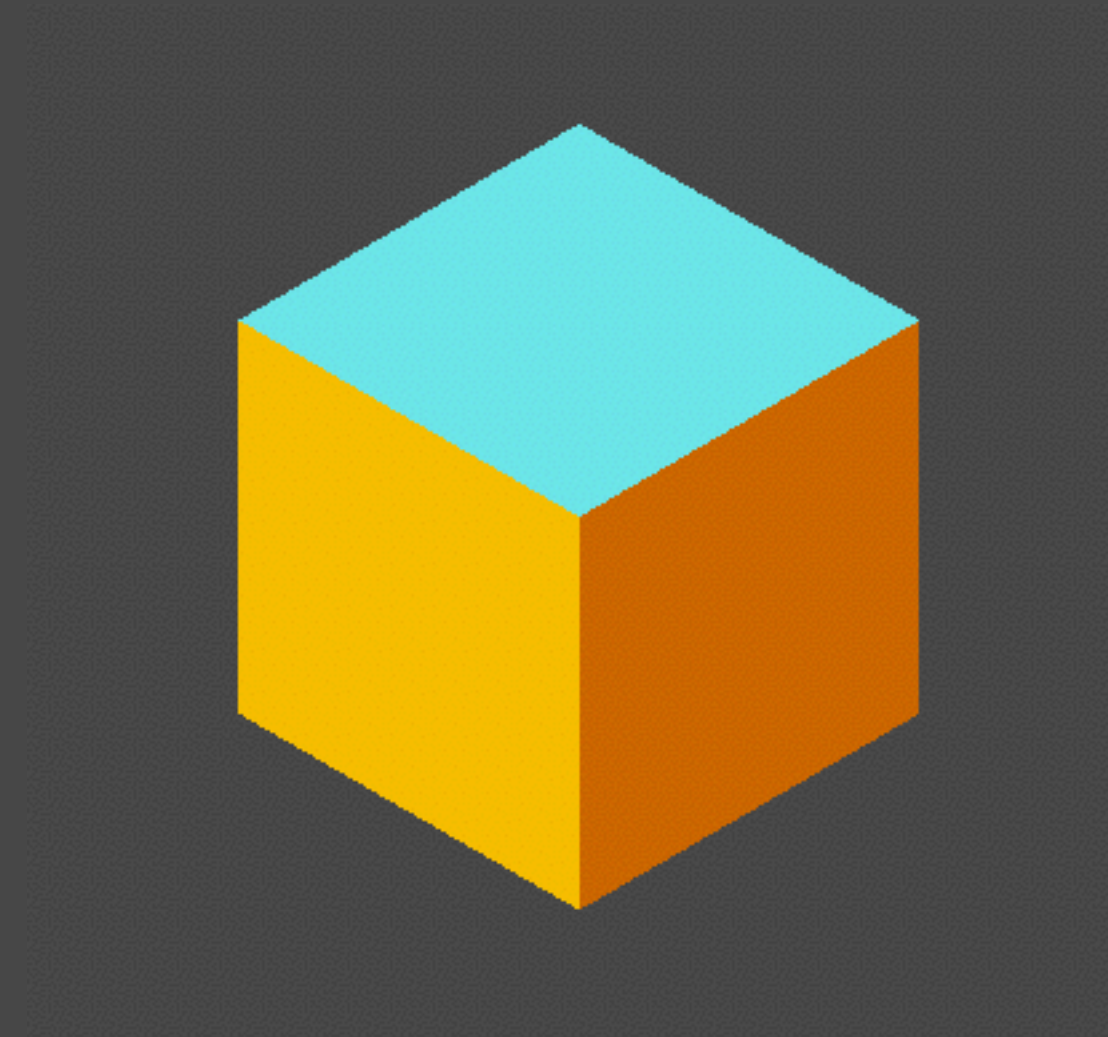


PATSWERK

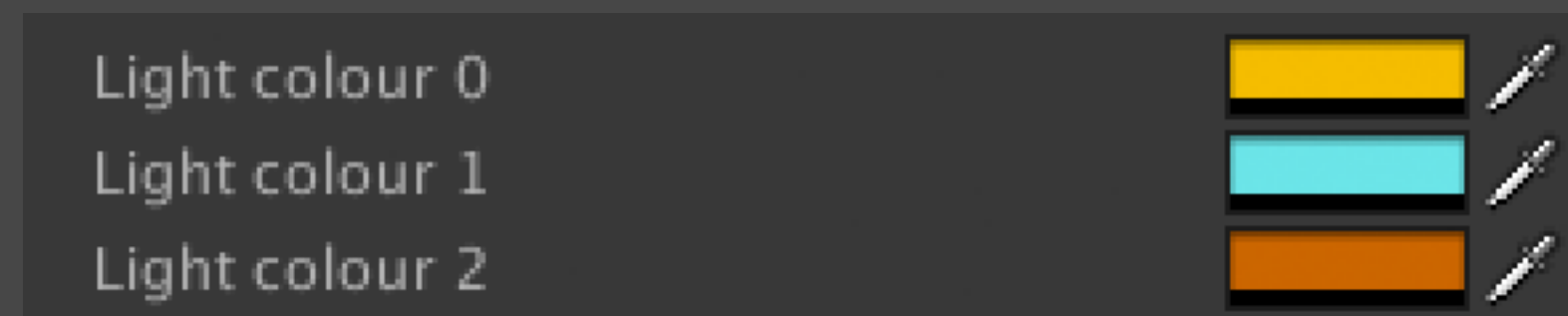




# MONUMENT VALLEY SHADER



APPLY COLORS DIRECTLY TO TOP/LEFT/RIGHT SURFACES





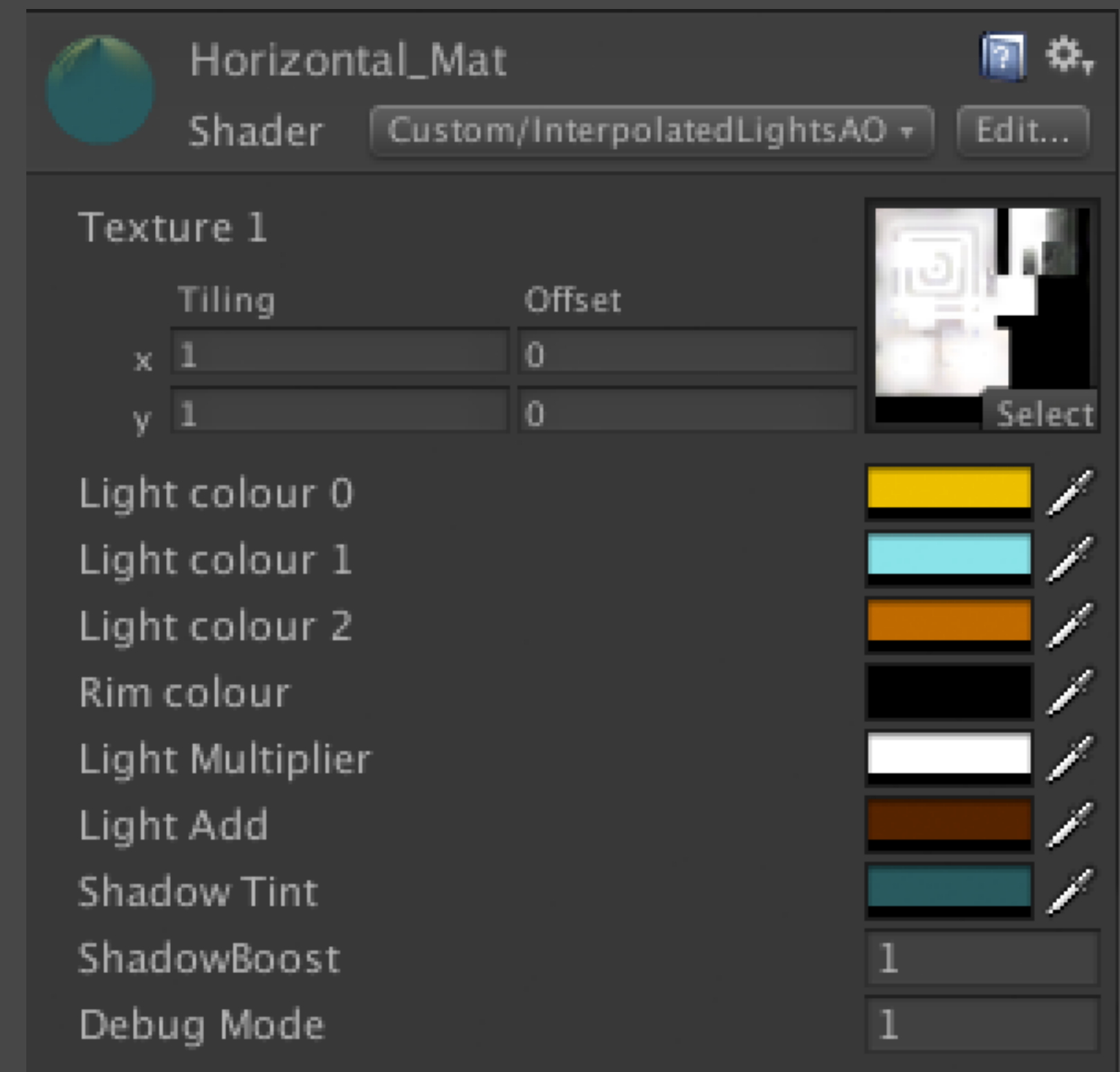
# COLORED ADD, MULTIPLY, AND AMBIENT OCCLUSION



THREE COLORS  
ONLY



LIGHT ADD,  
AMBIENT OCCLUSION





















FORGOTTEN SHORES



A horizontal banner for Monument Valley: Forgotten Shores. The background is a soft, hazy landscape with tall, purple and yellow geometric structures rising from a misty ground. A small white figure stands on a yellow bridge-like structure. The title 'MONUMENT VALLEY' is centered in a large, black, serif font.

# MONUMENT VALLEY

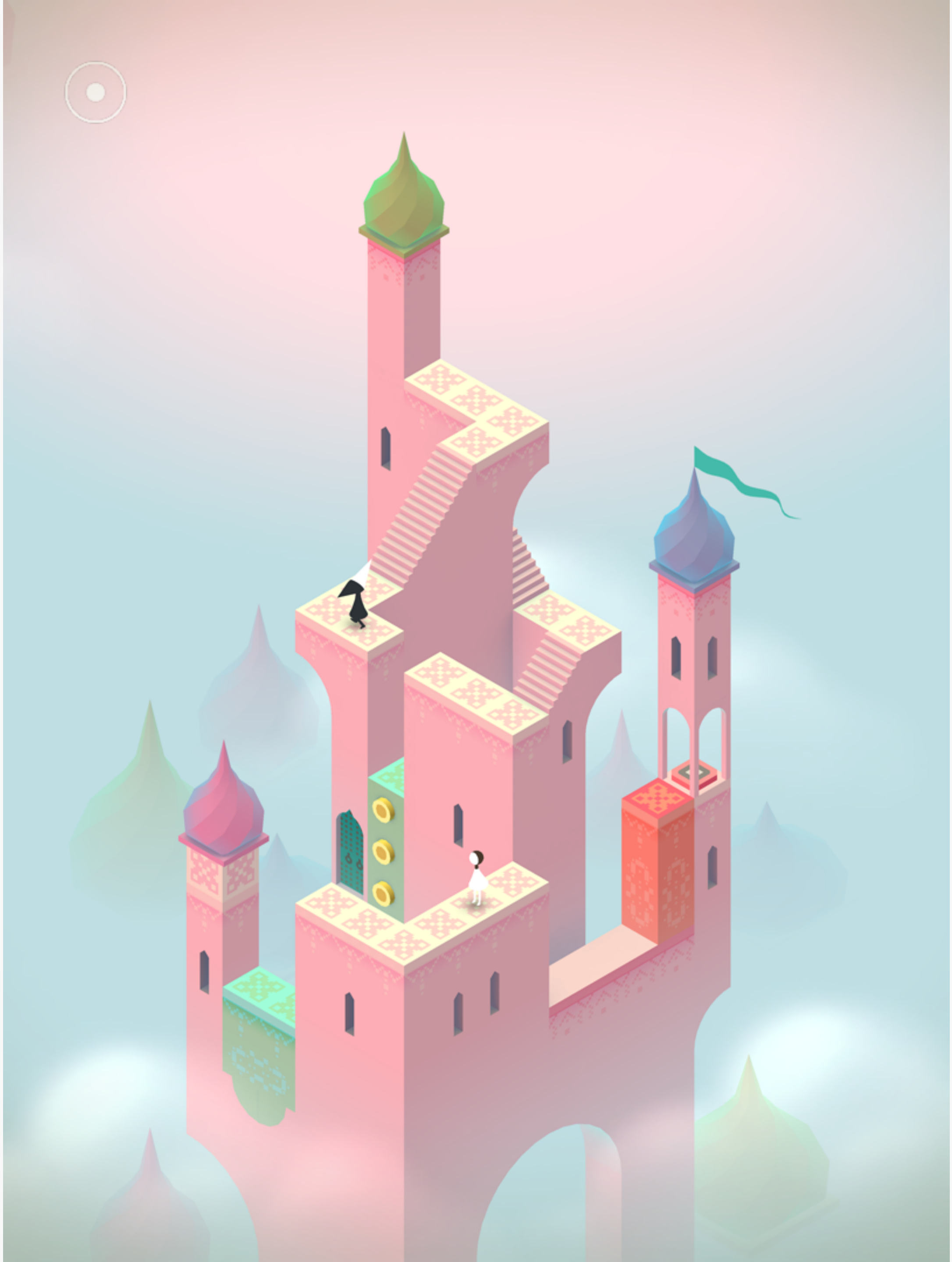
• FORGOTTEN SHORES •

A horizontal banner for Monument Valley: Ida's (Red) Dream. The background is a complex, isometric maze of light blue and white geometric shapes, including stairs and arches. A small red figure is visible in the center. The title 'MONUMENT VALLEY' is centered in a large, black, serif font.

# MONUMENT VALLEY

IDA'S (RED) DREAM



















OPPORTUNITIES



Designing with **aesthetics** as a **focus**  
leads to the creation of **different experiences.**



Current video game aesthetics  
are extremely **conservative**



**Aesthetics is free marketing**



Aesthetics allows smaller projects  
to **punch above their weight**



Having **different priorities**  
can steer the game design in unexpected directions.

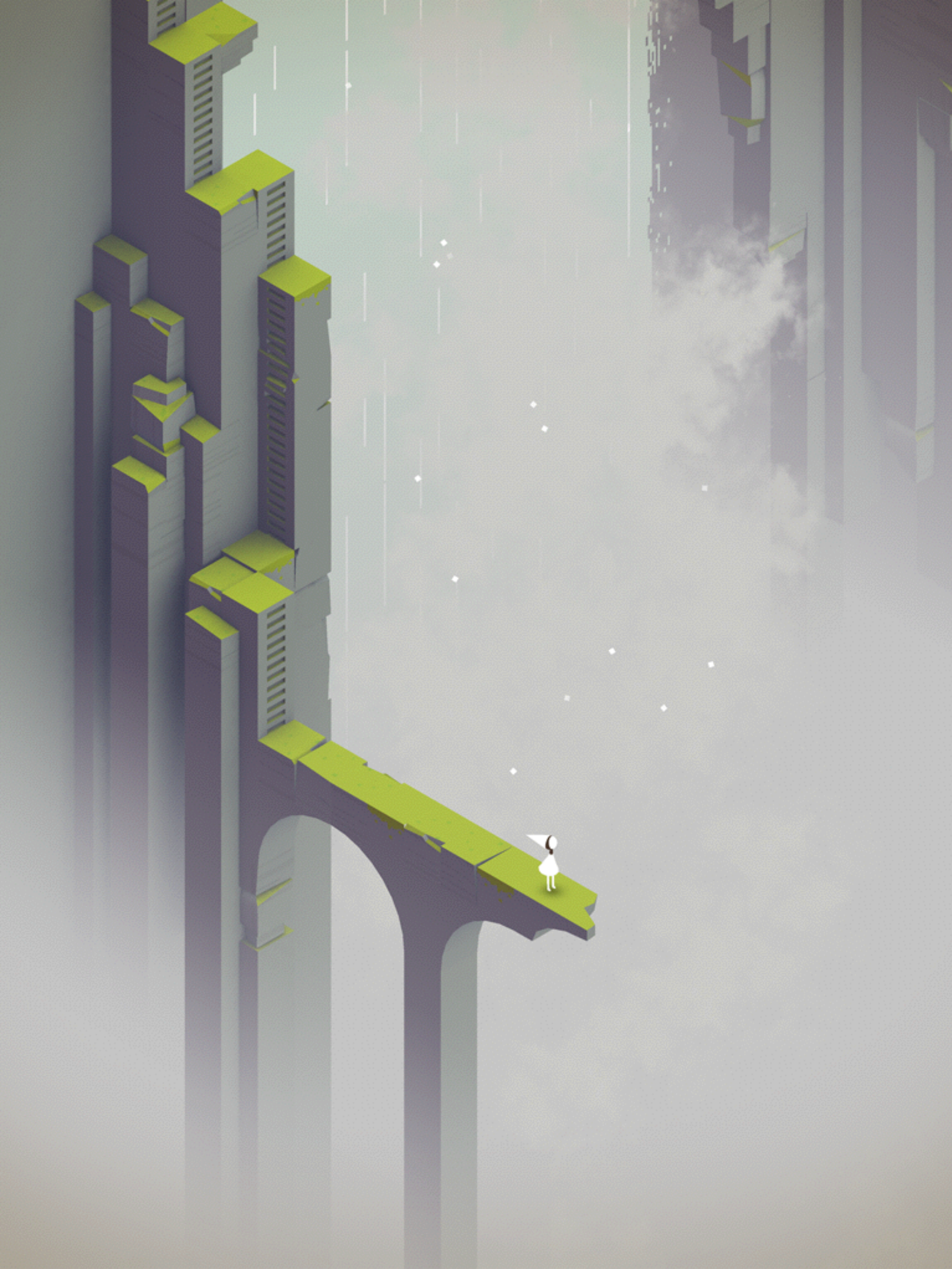


Leaning on aesthetics rather than mechanics  
can make your game more accessible to **non-gamers**



**VR / AR** will be less about mechanics,  
more about aesthetics





THANK YOU

@KENWONGART  
KEN@USTWO.COM

#MONUMENTVALLEYGAME  
MONUMENTVALLEYGAME.COM



