Сборка_

GoodLine

Оператор связи Кузбасса

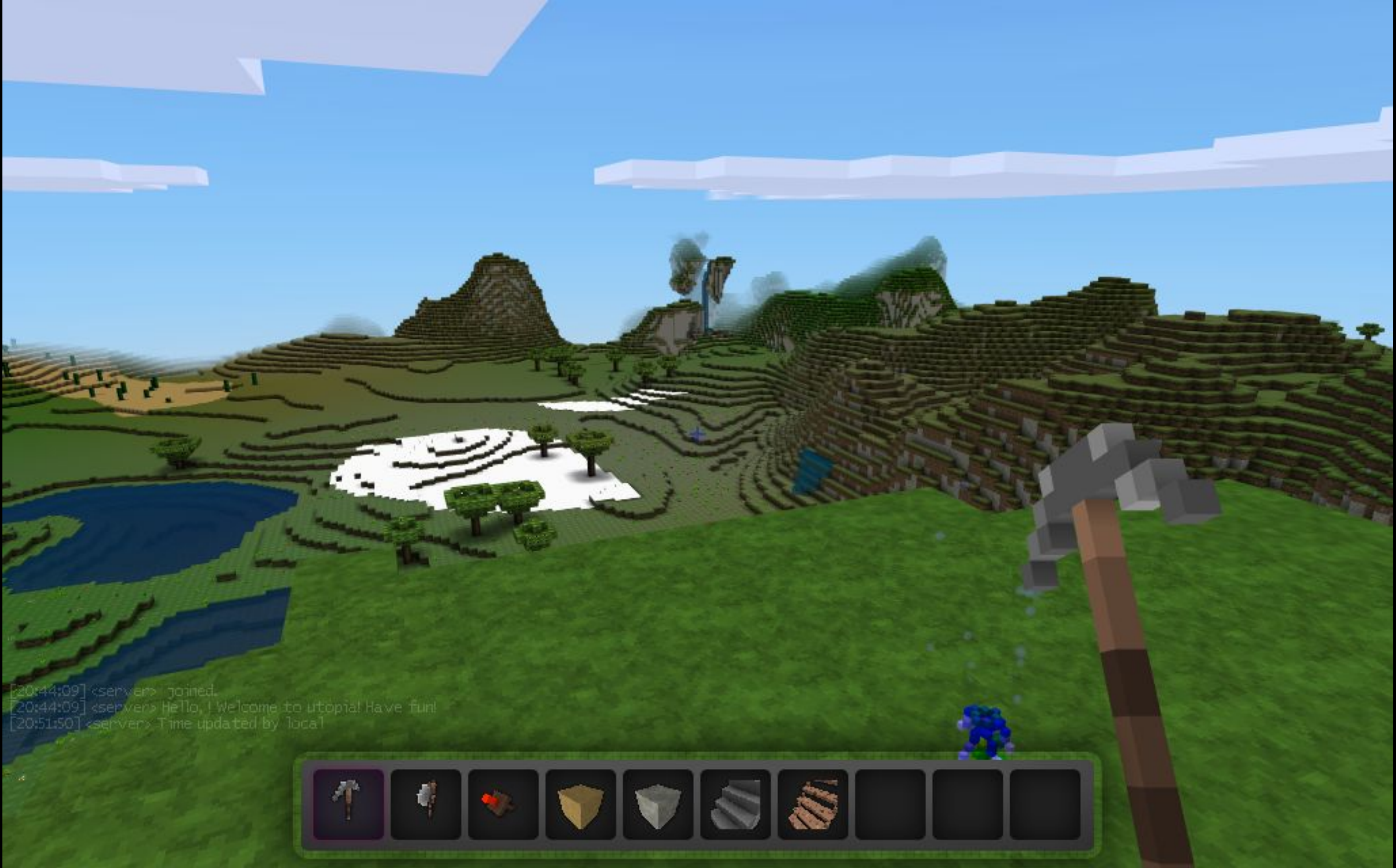
Атвинта

Влад Поздняков - Erty Hackward

- Начальник отдела перспективных разработок - Good Line
- Автор p2p Клиента О-ГО 2
- p2p клиент в приставках Большое ТВ
- 10+ лет программирования, последние 2 года не писал код

БОЛЬШОЕ ТВ

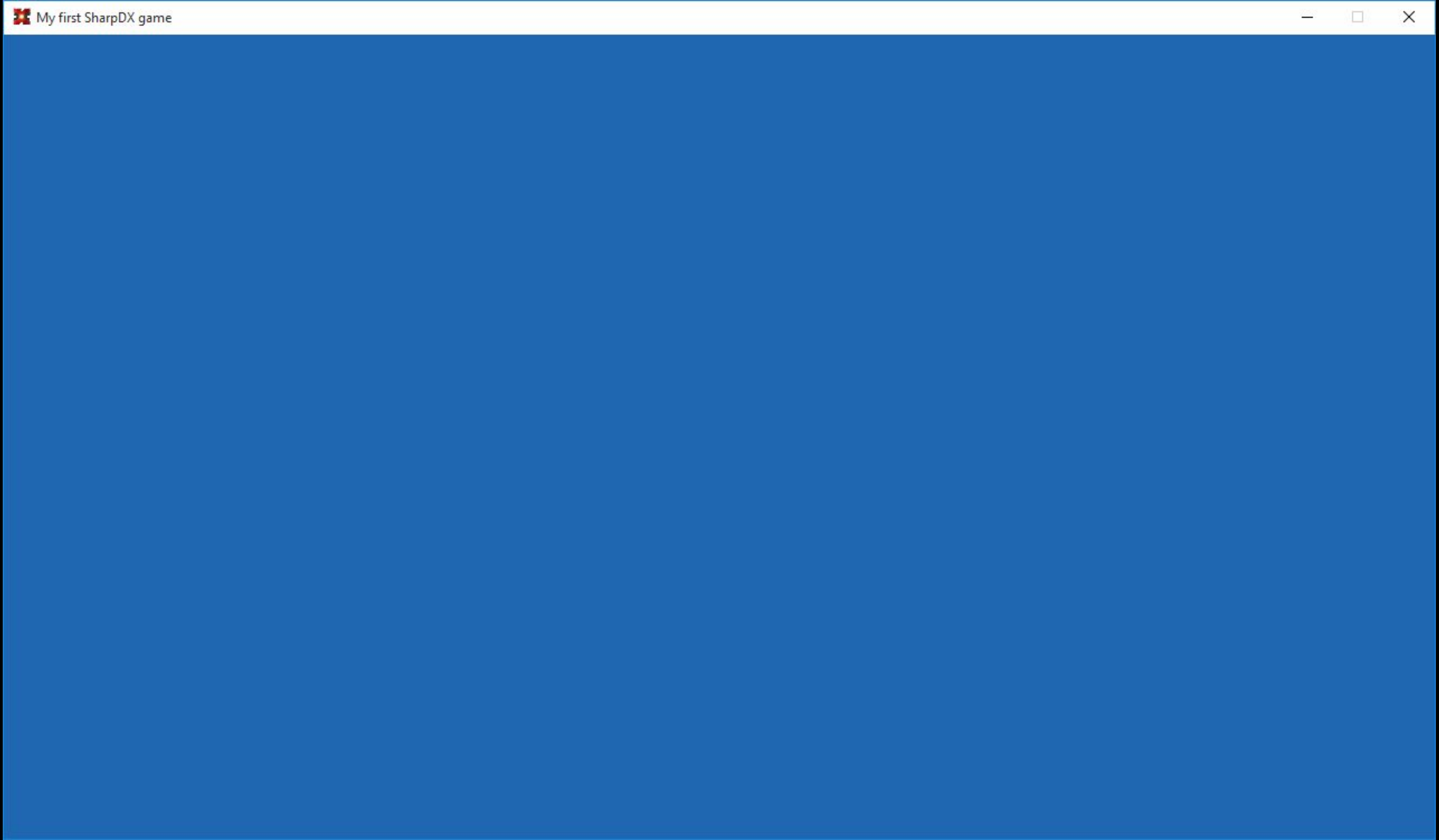
MINECRAFT



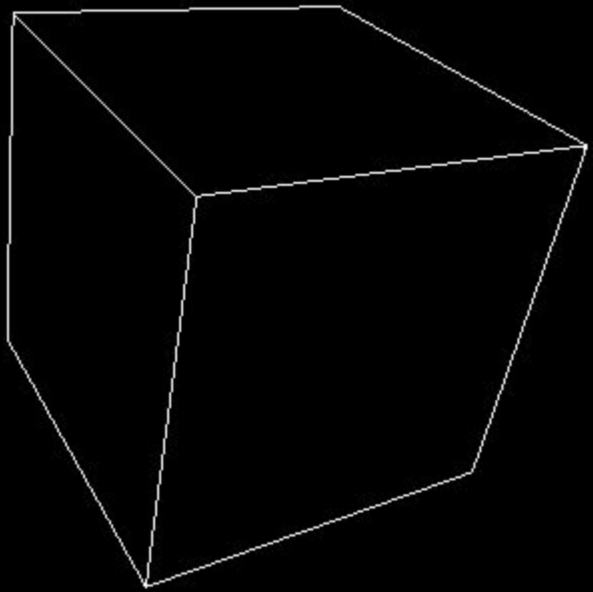
```
[20:44:09] <server>  joined.
[20:44:09] <server> Hello, ! Welcome to utopia! Have fun!
[20:51:50] <server> Time updated by local
```

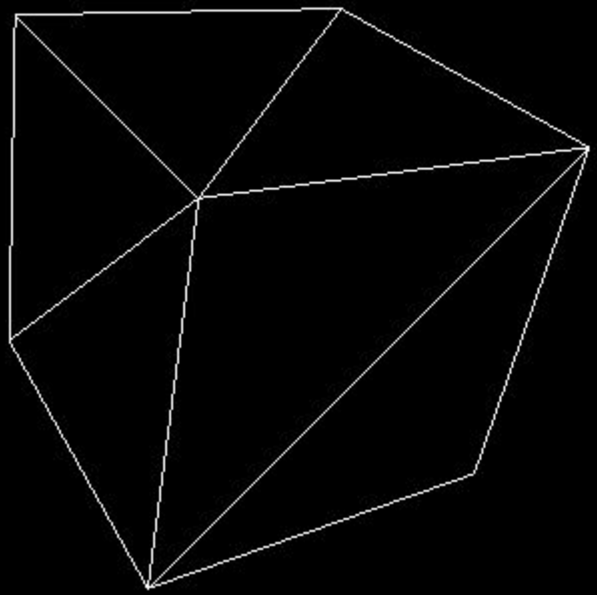
Что мы сделали?

3D ДВИЖОК



My first SharpDX game





60 fps

1 / 60 = 0,016 s = 16 ms

16 ms

Сколько полигонов нужно?

16 * 16 * 64 = 16 384 * 400 = 6 553 600 кубов * 6 =

39 321 600 полигонов

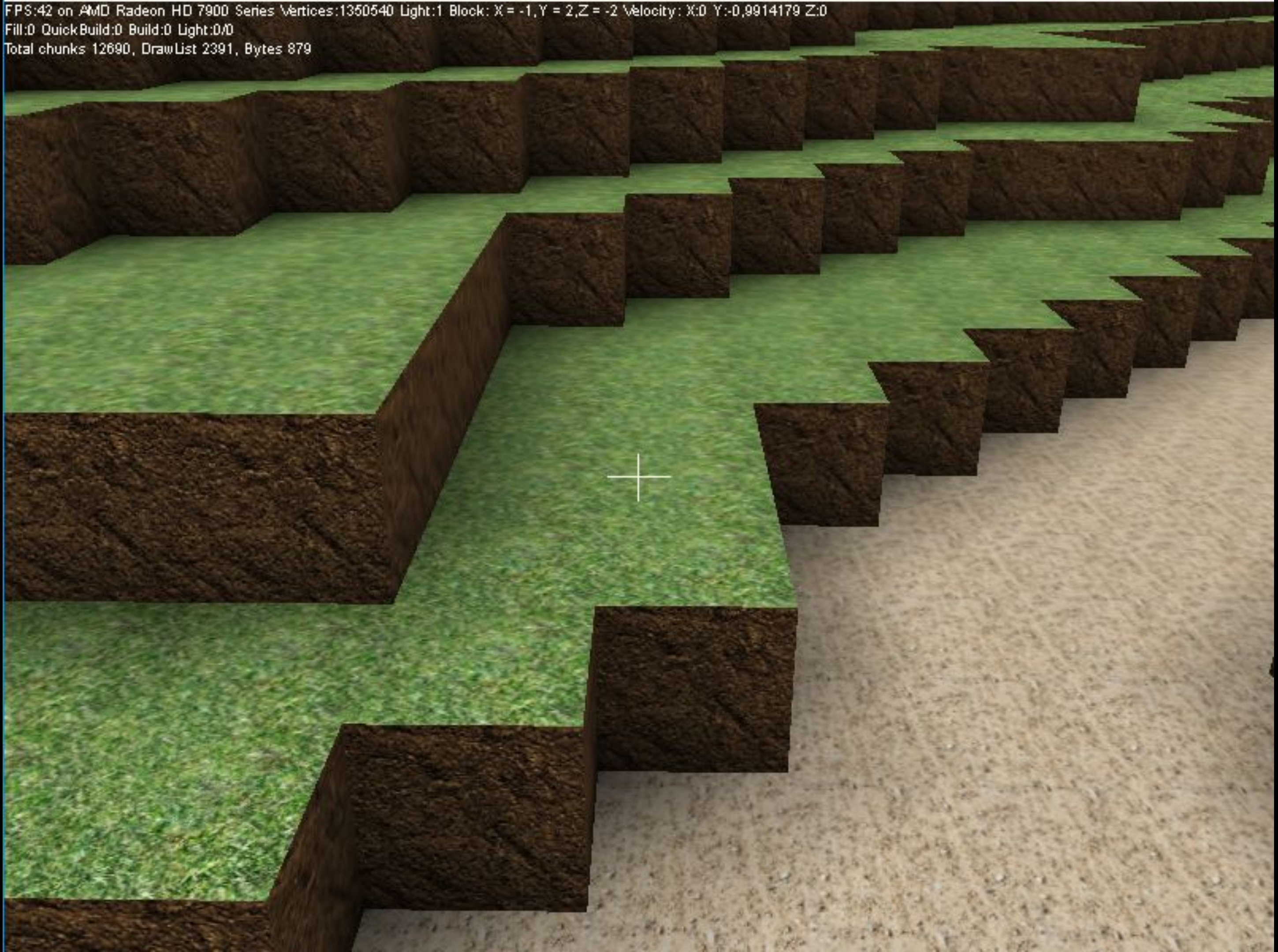
Сколько полигонов нужно?

16 * 16 * 64 = 16 384 * 400 = 6 553 600 кубов * 6 =

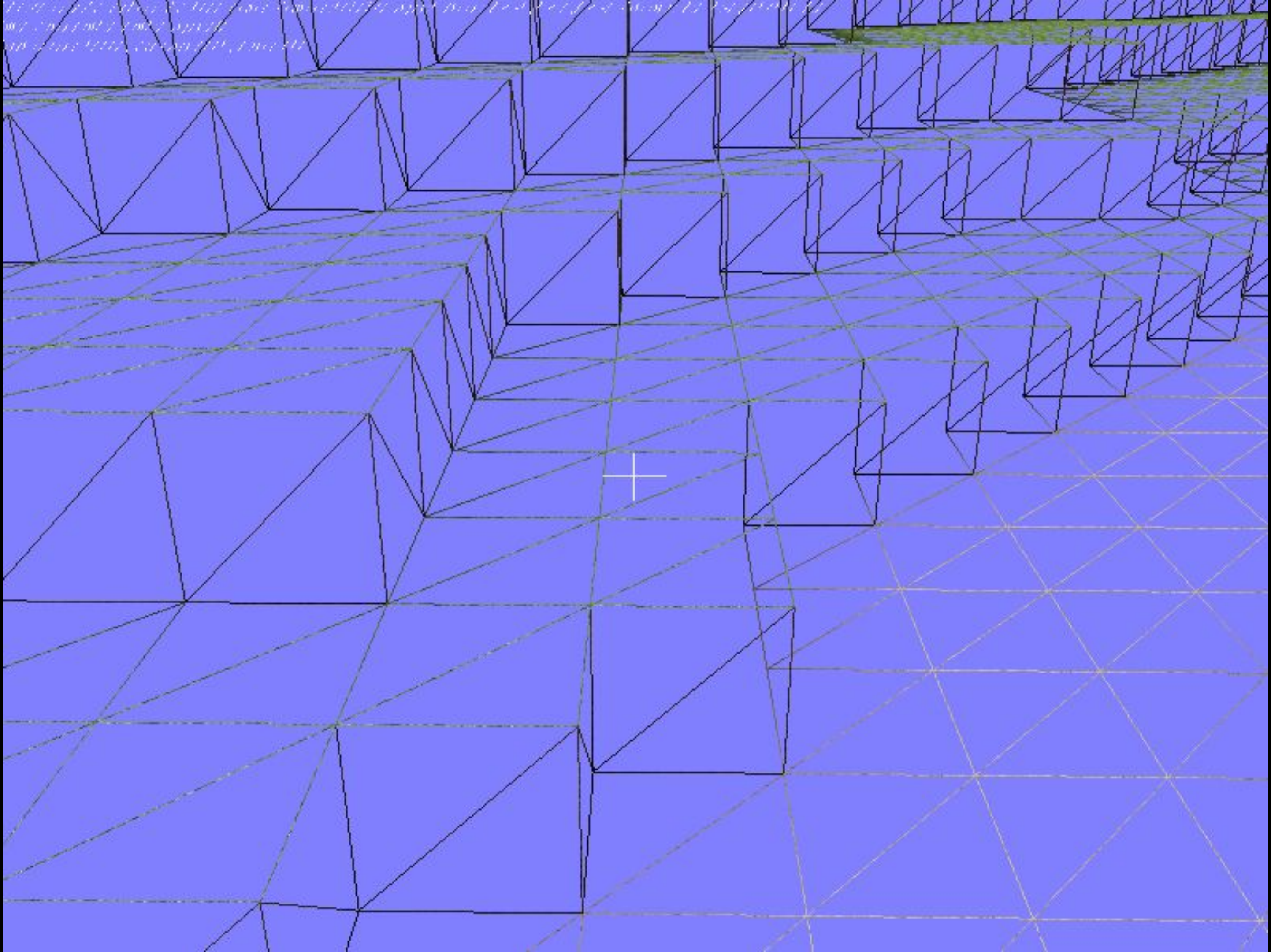
39 321 600 полигонов

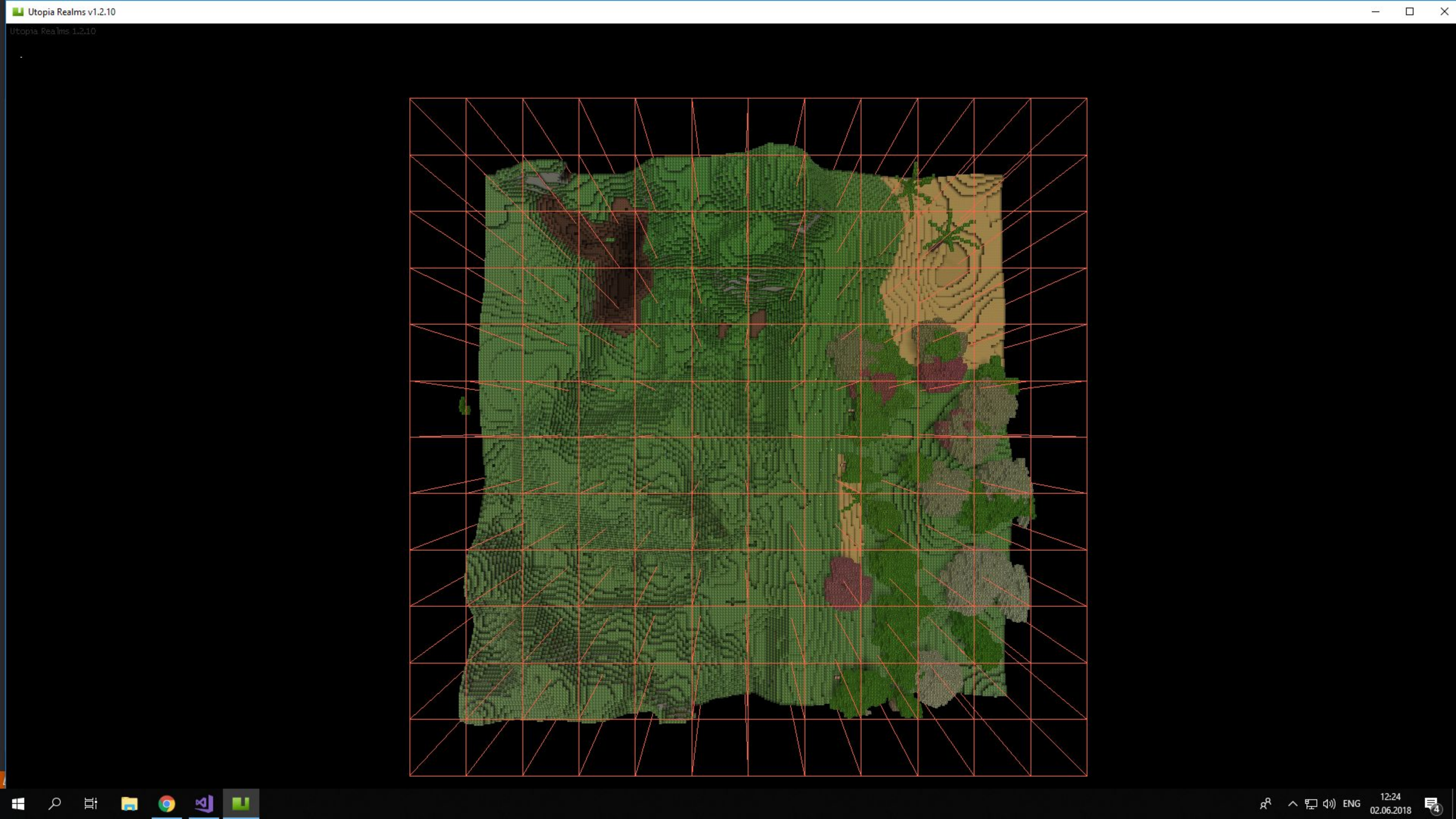
Crysis 3 = ~10 000 000 полигонов

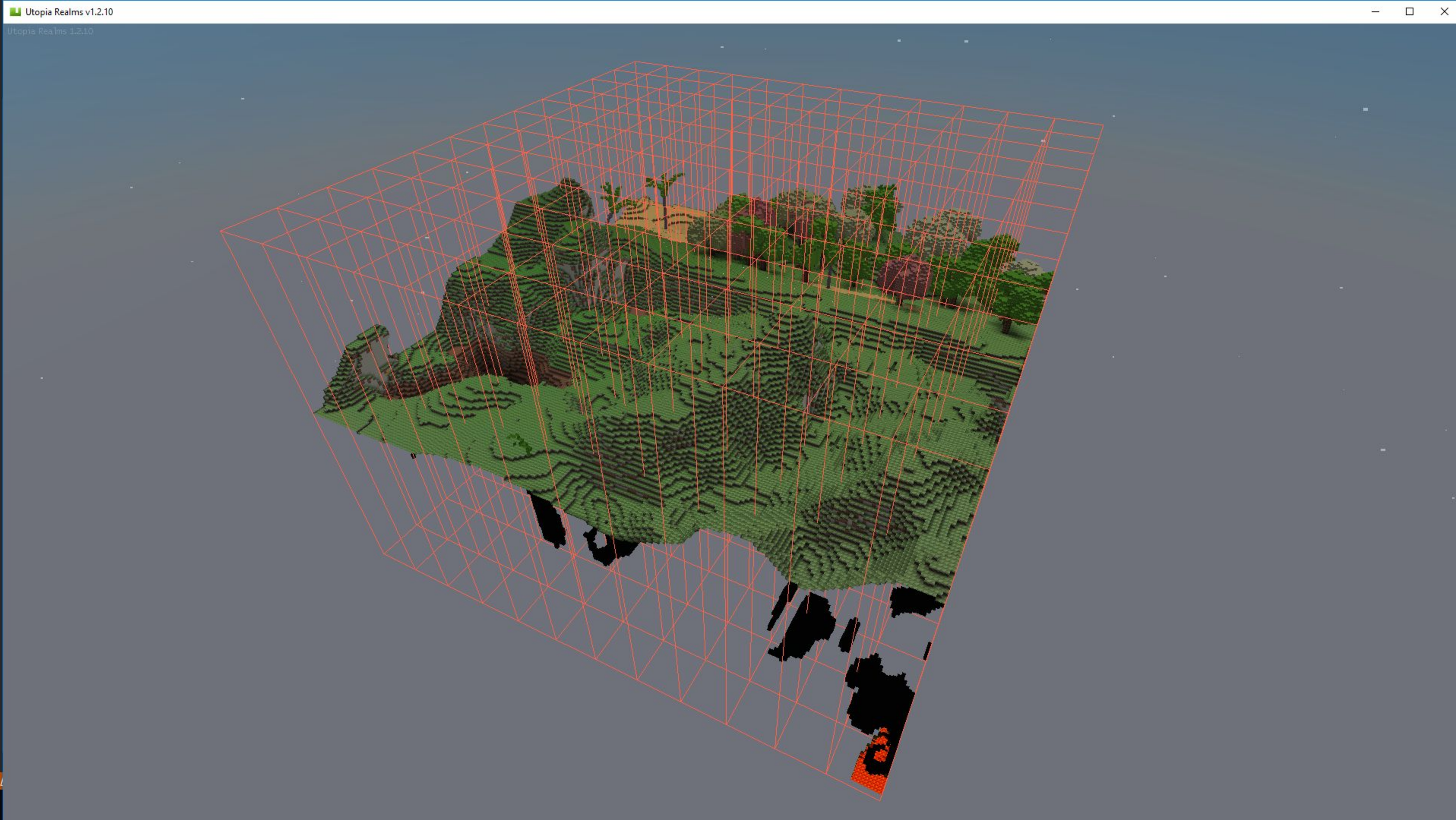
ВРЕМЯ ЕЩЁ НЕ ПРИШЛО, ЗАКРЫВАЕМСЯ?



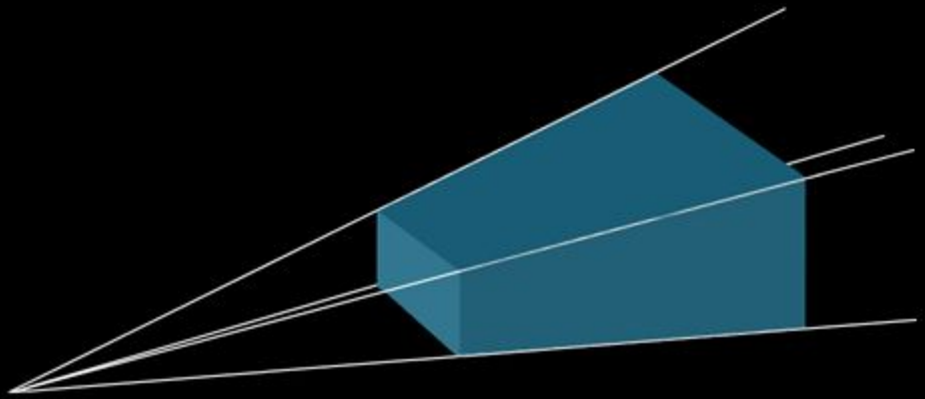
```
FPS:42 on AMD Radeon HD 7900 Series Vertices:1350540 Light:1 Block: X = -1, Y = 2,Z = -2 Velocity: X:0 Y:-0,9914179 Z:0
Fill:0 QuickBuild:0 Build:0 Light:0/0
Total chunks 12690, DrawList 2391, Bytes 879
```



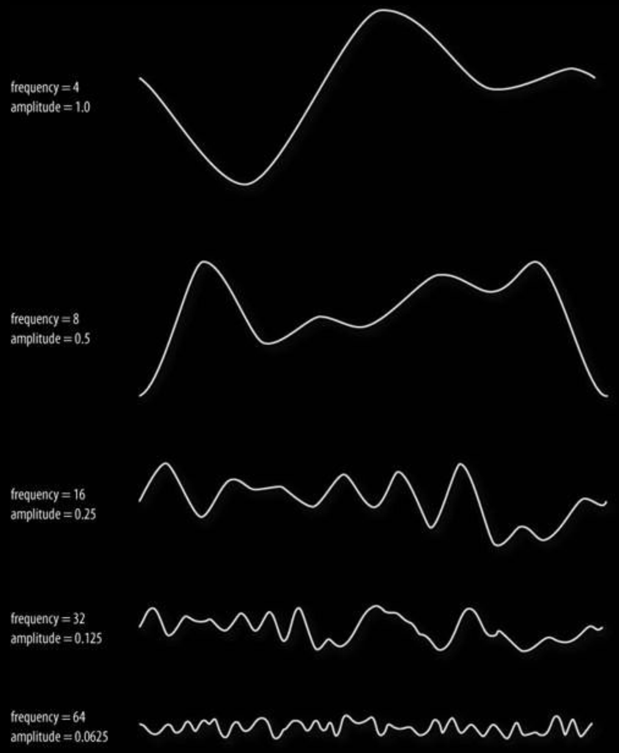

Utopia Realms v1.2.10
Utopia Realms 1.2.10
ENG
12:24
02.06.2018

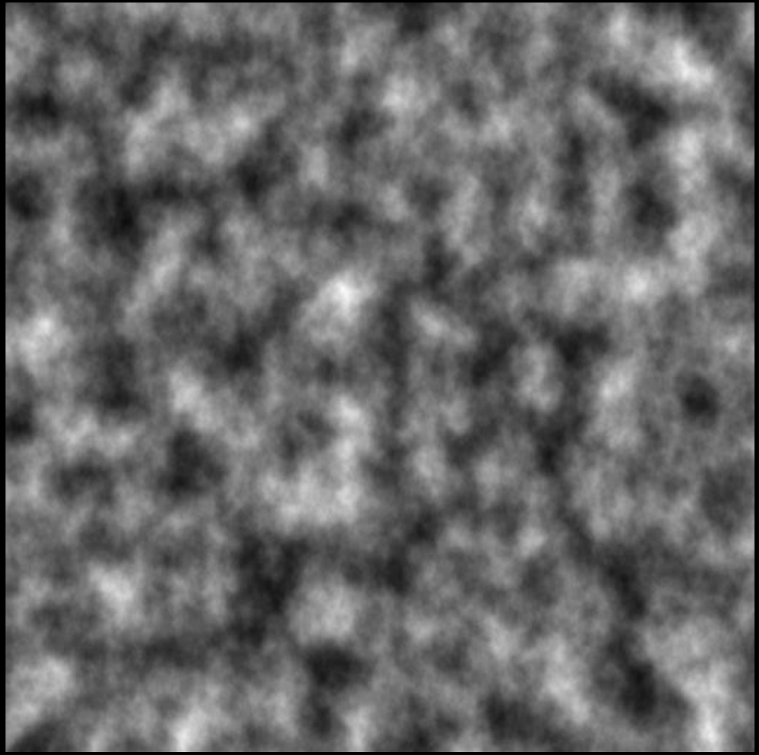

Utopia Realms v1.2.10
Utopia Realms 1.2.10

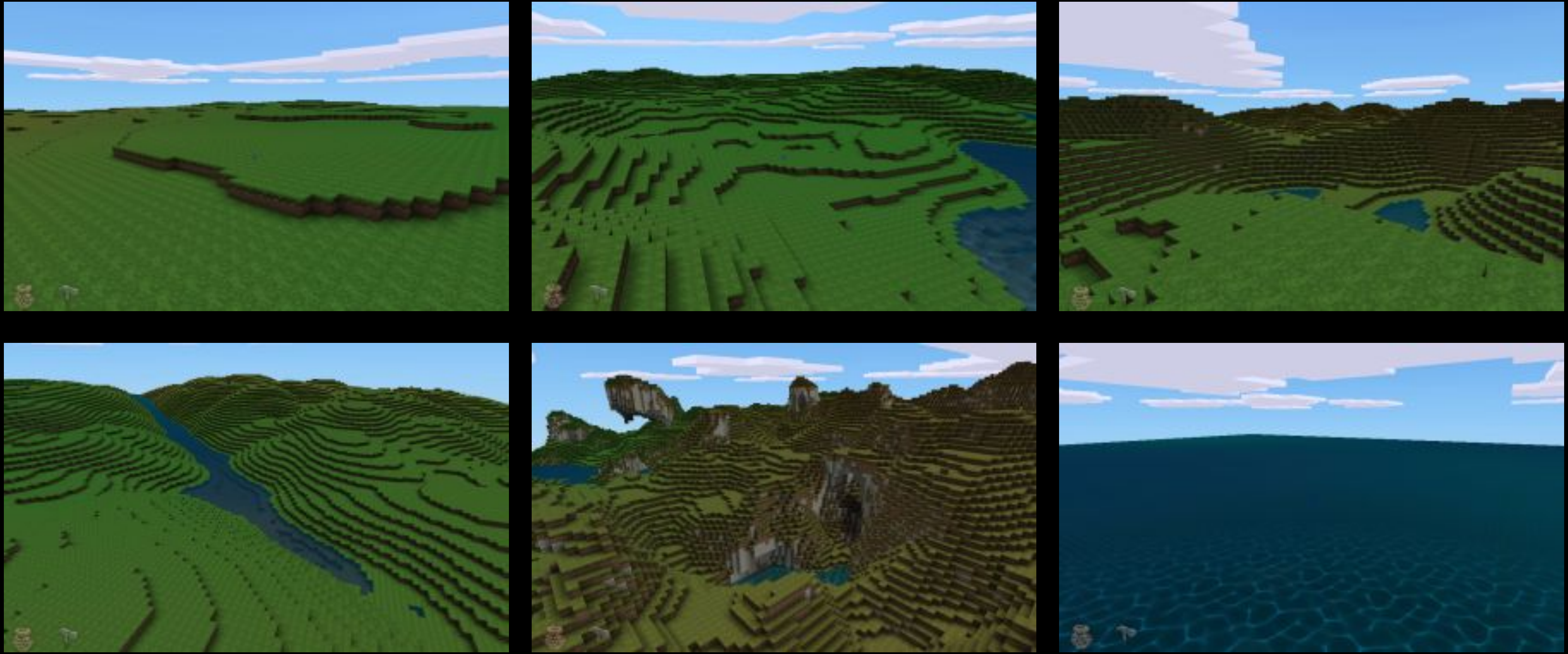
View frustum culling

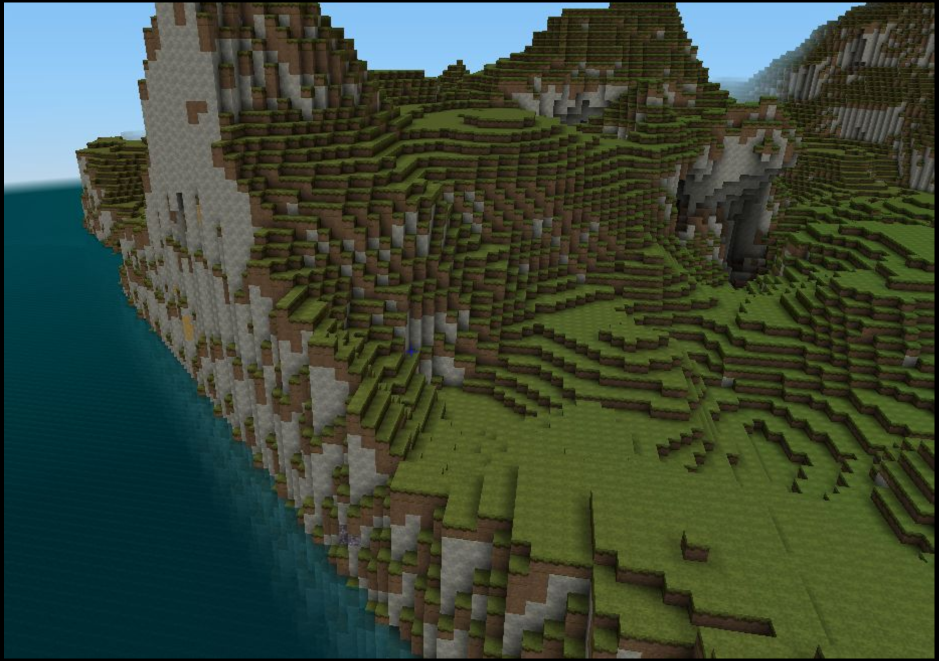


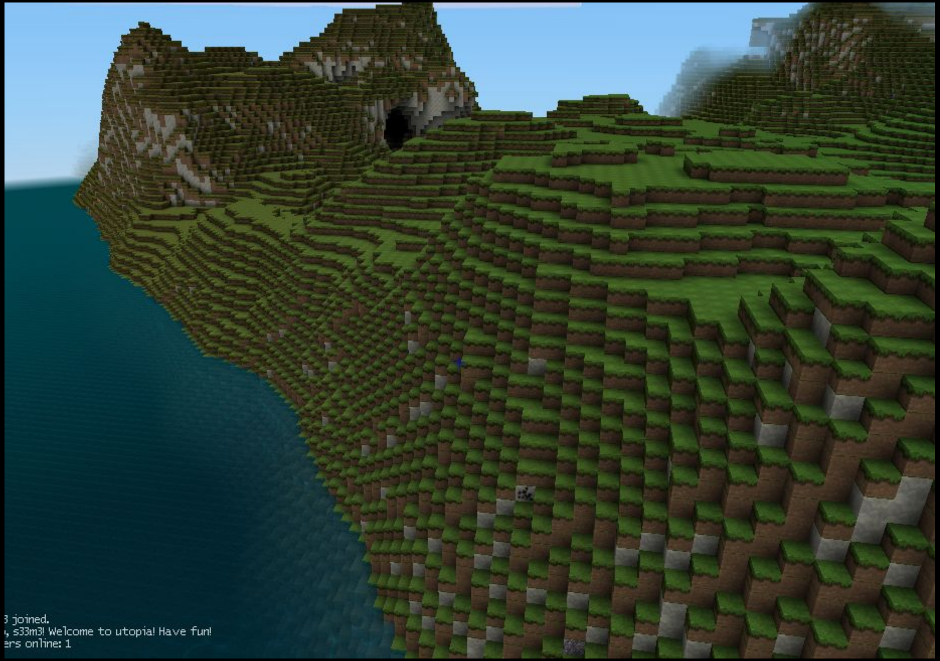
Шум Перлина


frequency = 4
amplitude = 1.0
frequency = 8
amplitude = 0.5
frequency = 16
amplitude = 0.25
frequency = 32
amplitude = 0.125
frequency = 64
amplitude = 0.0625

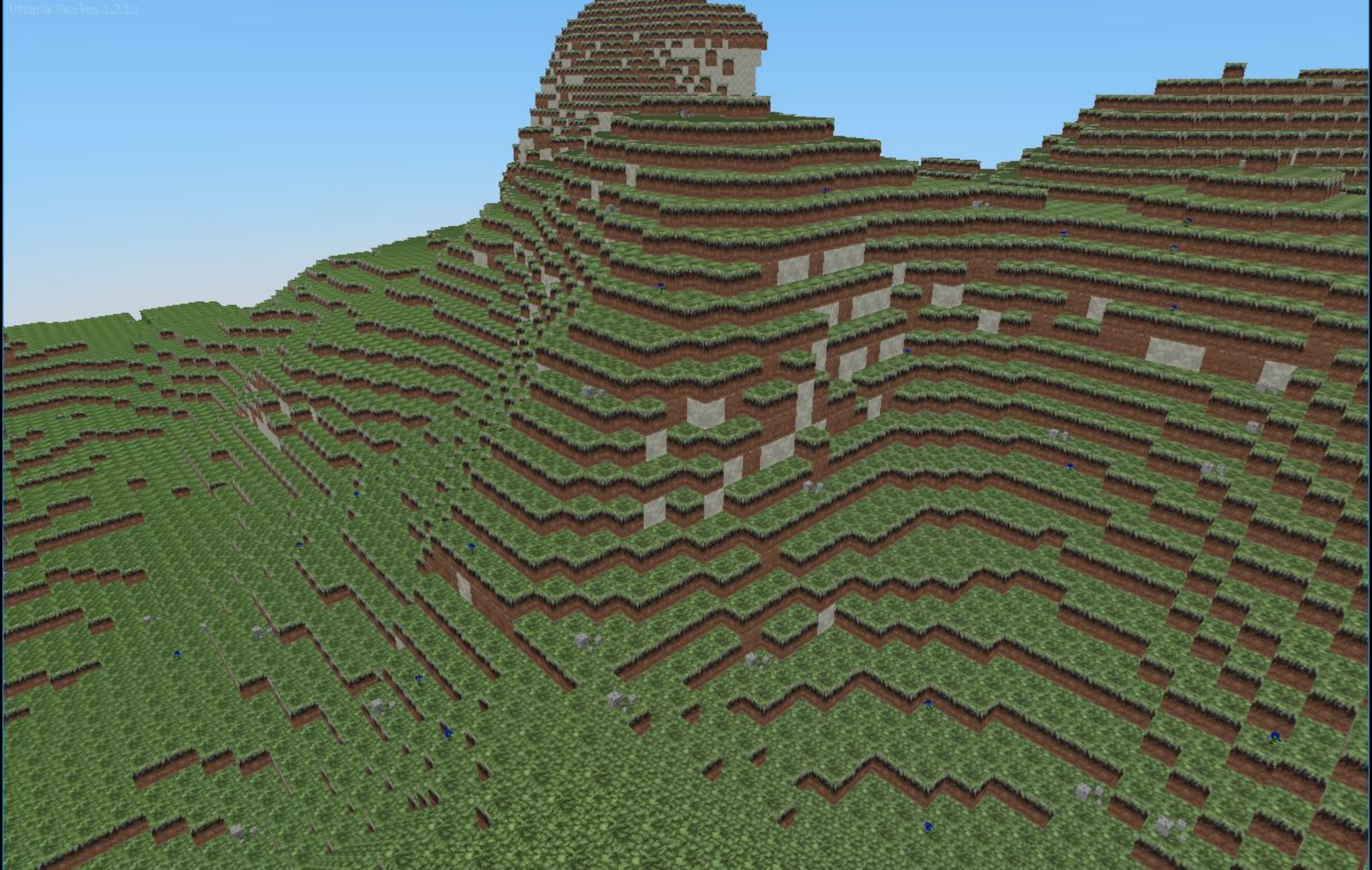


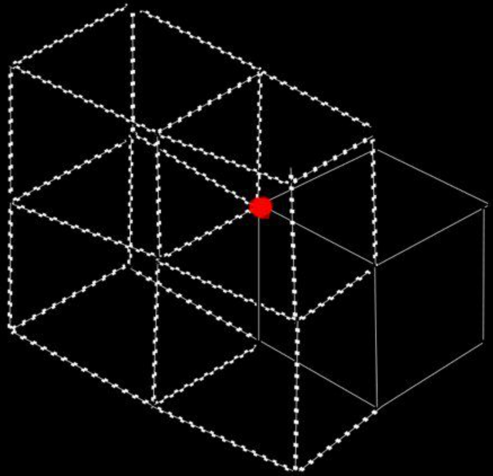


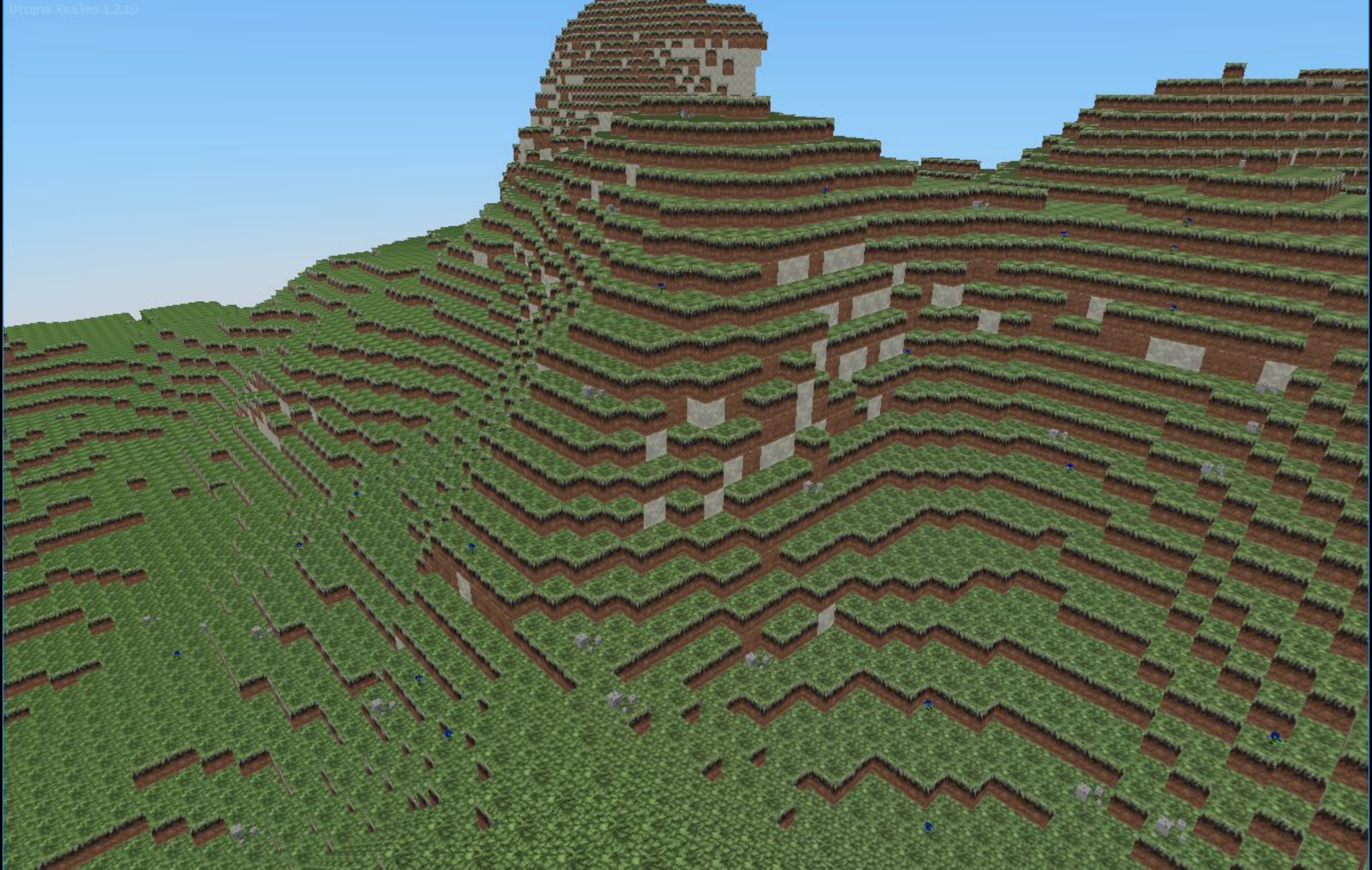


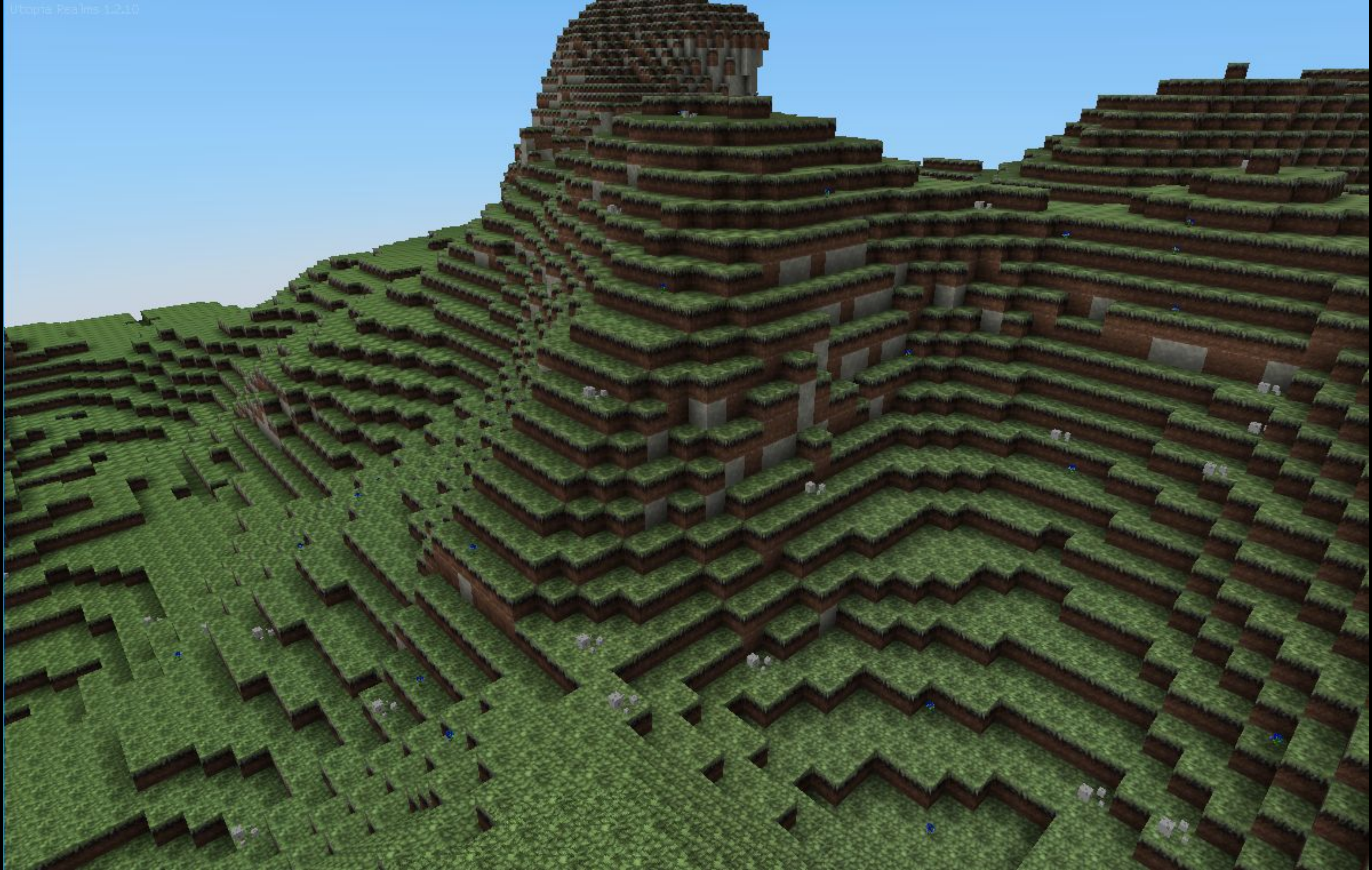


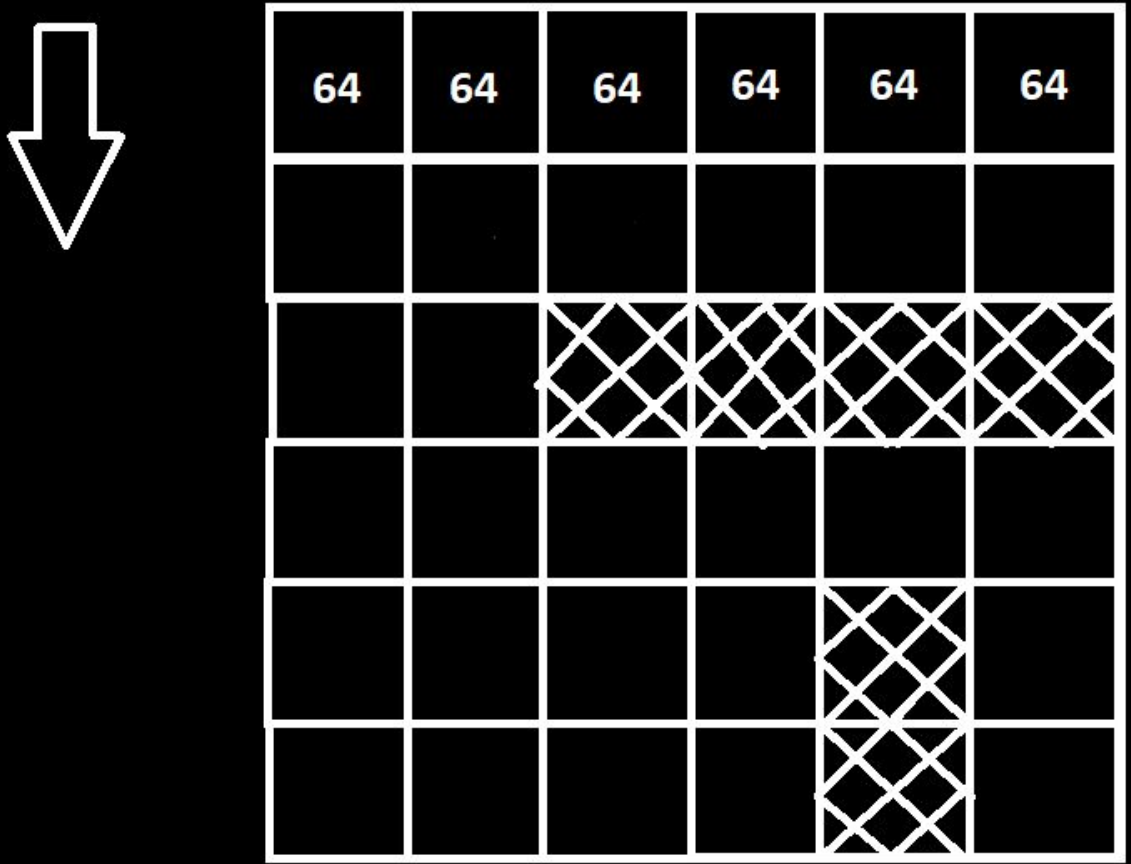
```
3 joined.
, s33m3! Welcome to utopia! Have fun!
ers online: 1
```


Utopia Realms 1.2.10

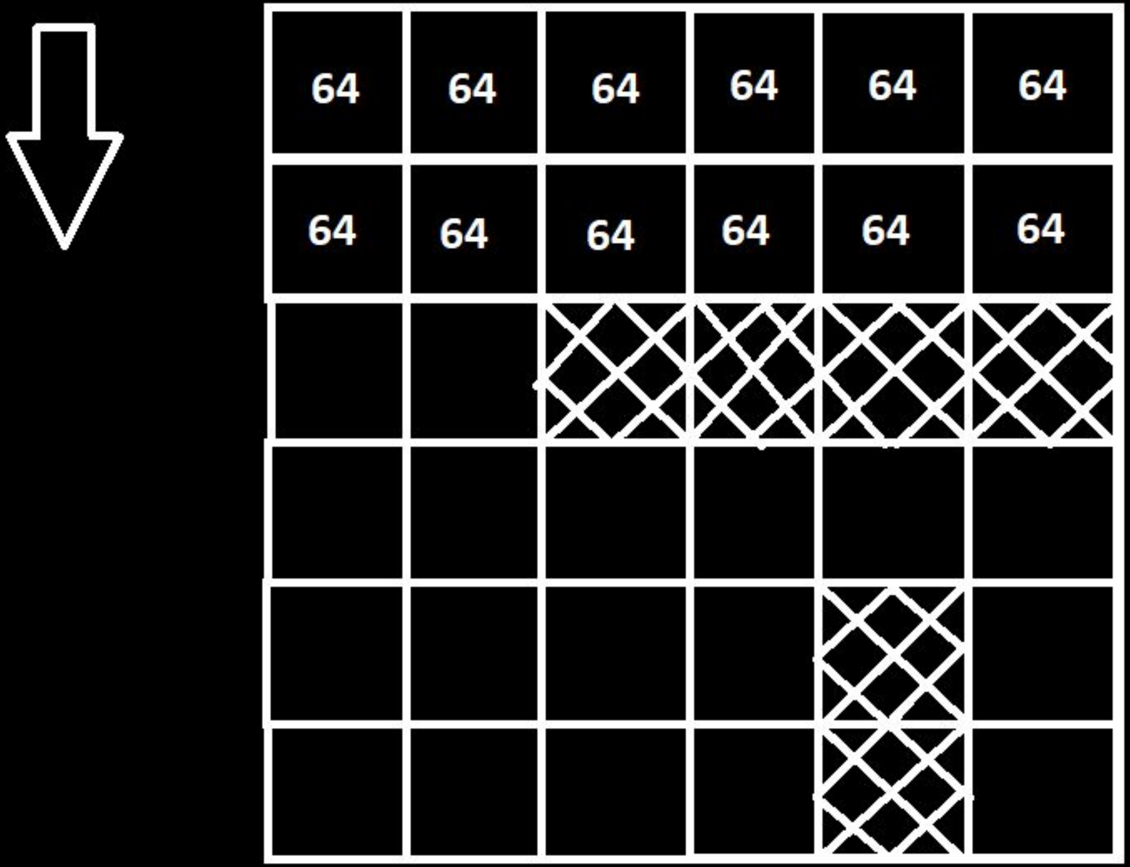



Utopia Realms 1.2.10

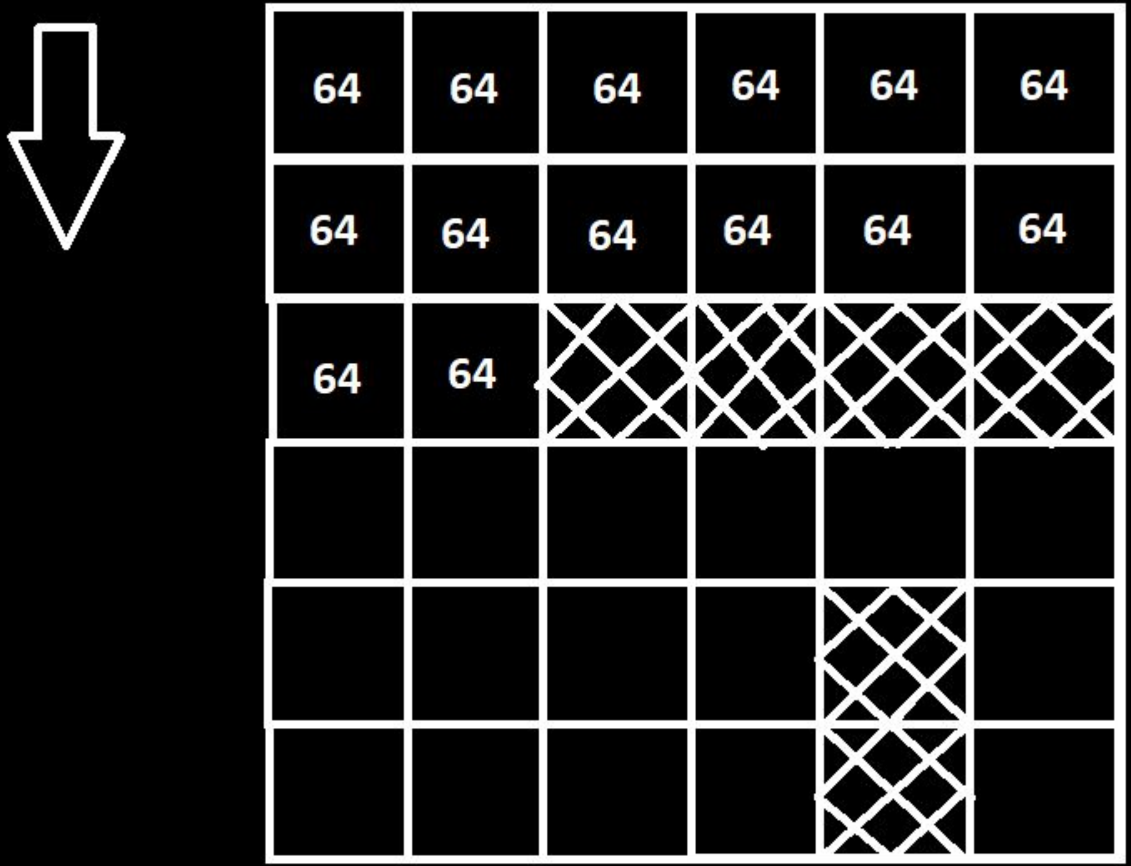

Utopia Realms 1.2.10



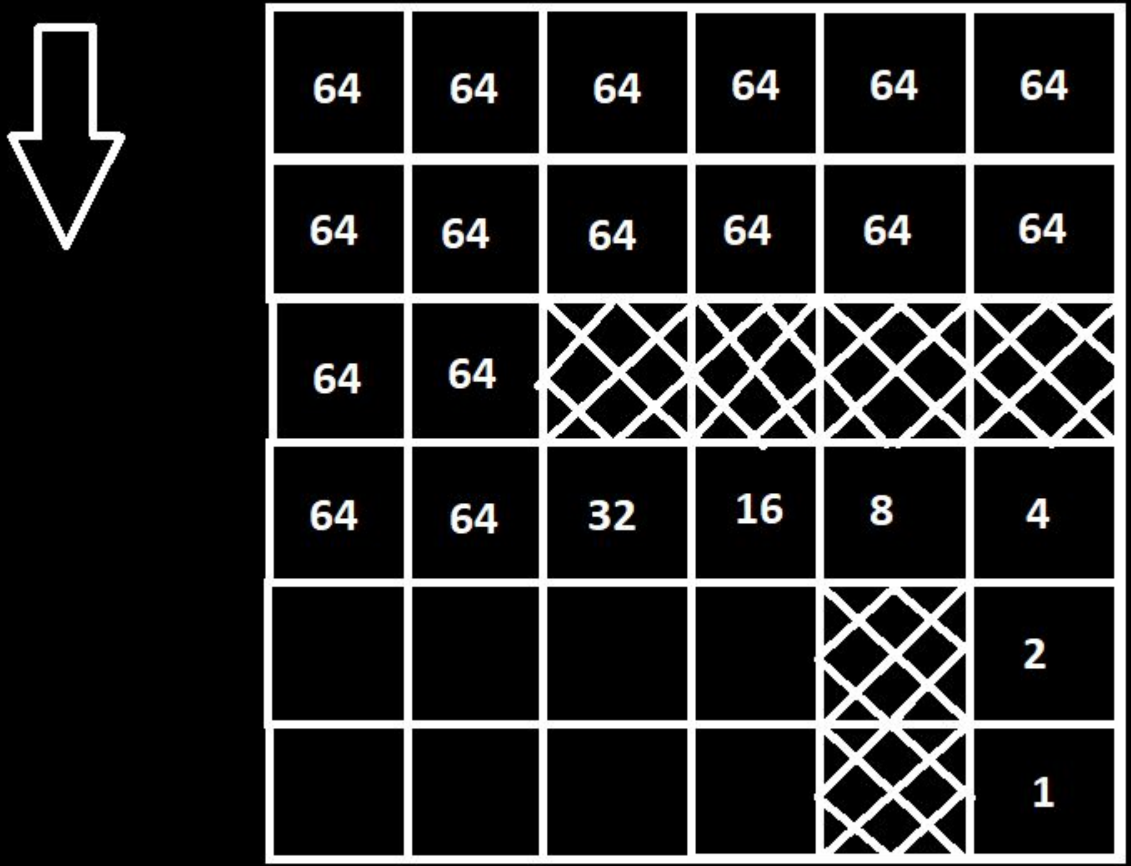
64	64	64	64	64	64
		▨	▨	▨	▨
				▨	
				▨	



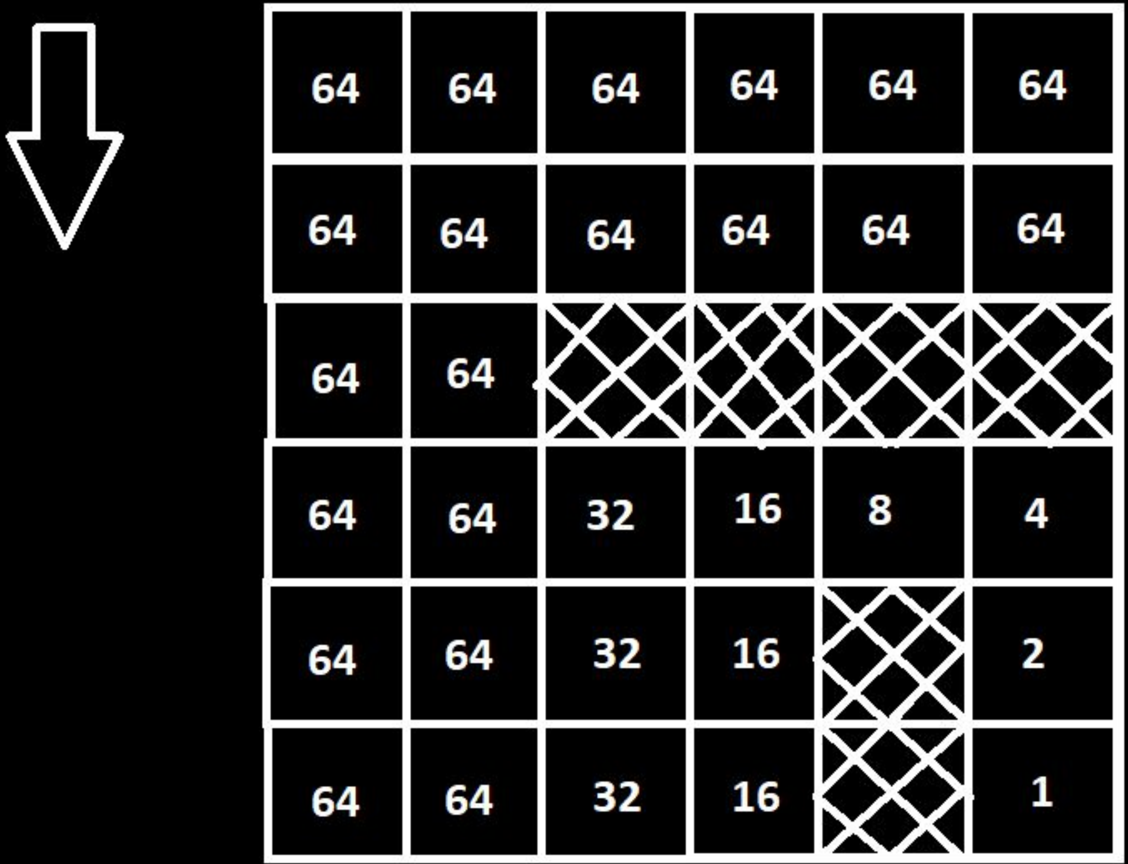
64	64	64	64	64	64
64	64	64	64	64	64
		▨	▨	▨	▨
				▨	
				▨	



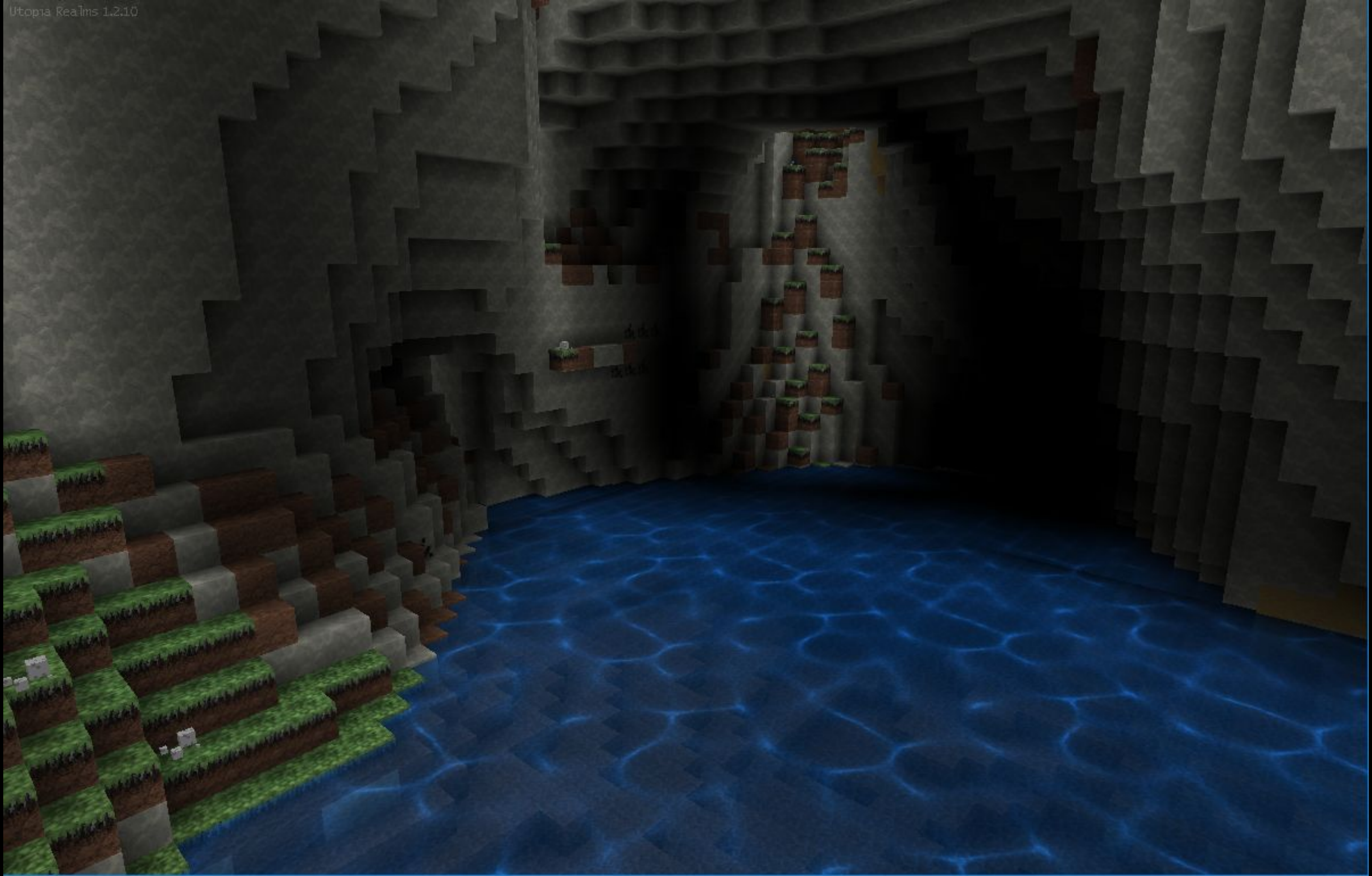
64	64	64	64	64	64
64	64	64	64	64	64
64	64	▨	▨	▨	▨
				▨	
				▨	



64	64	64	64	64	64
64	64	64	64	64	64
64	64	▨	▨	▨	▨
64	64	32	16	8	4
				▨	2
				▨	1

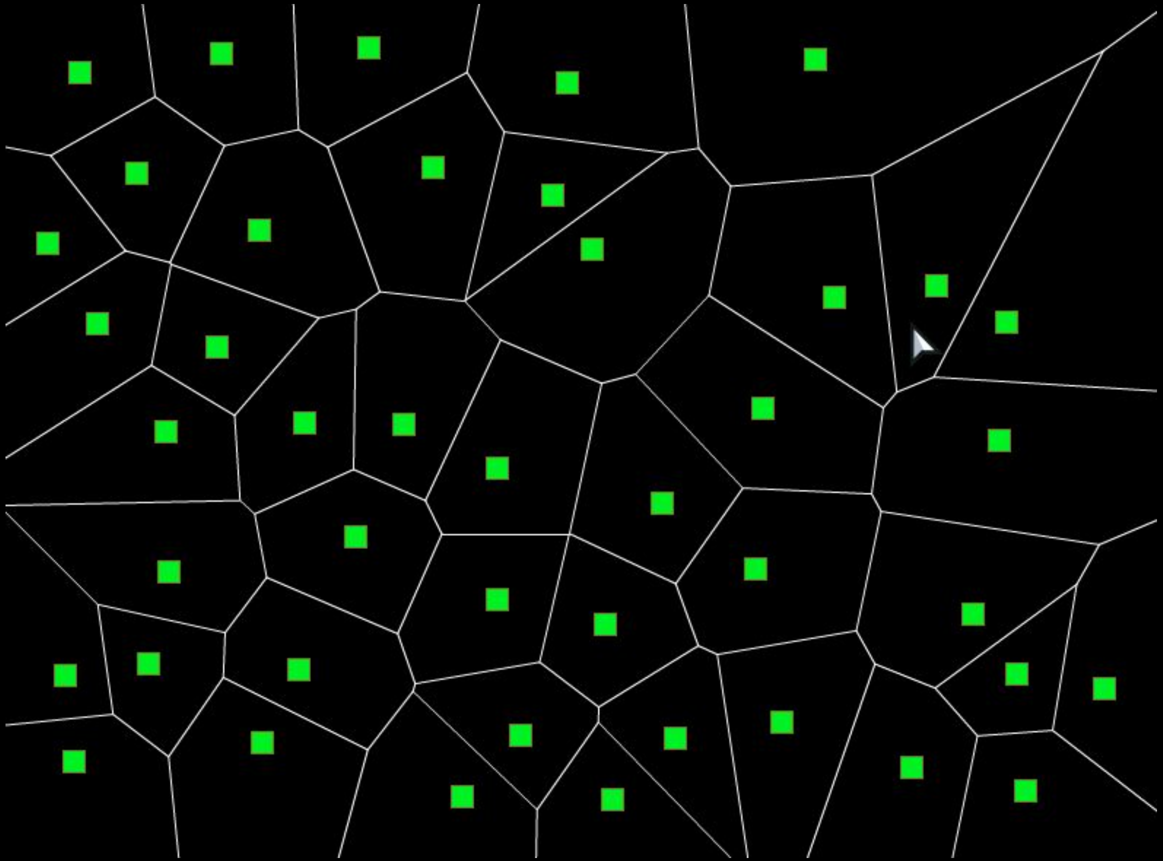


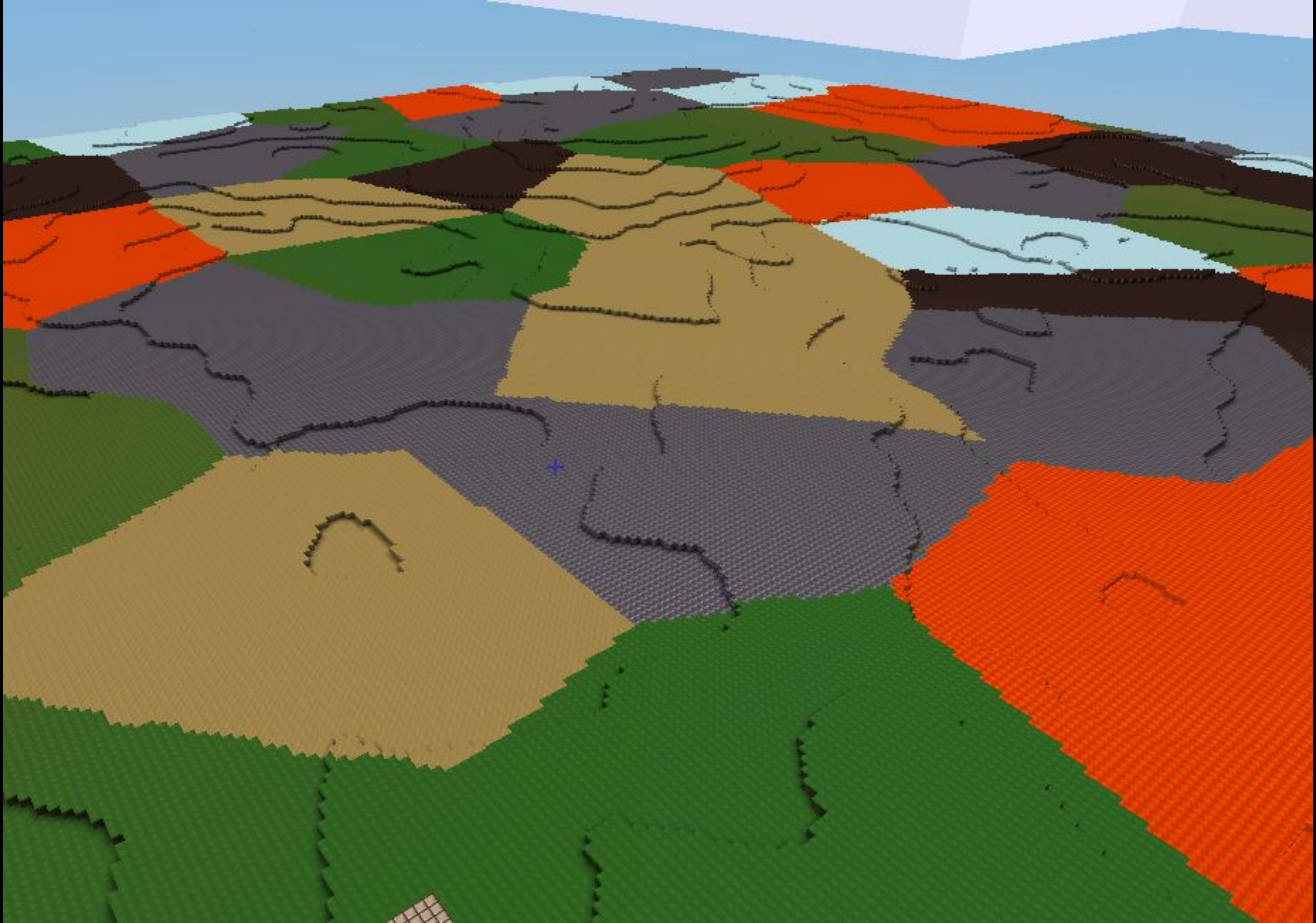
64	64	64	64	64	64
64	64	64	64	64	64
64	64	▨	▨	▨	▨
64	64	32	16	8	4
64	64	32	16	▨	2
64	64	32	16	▨	1

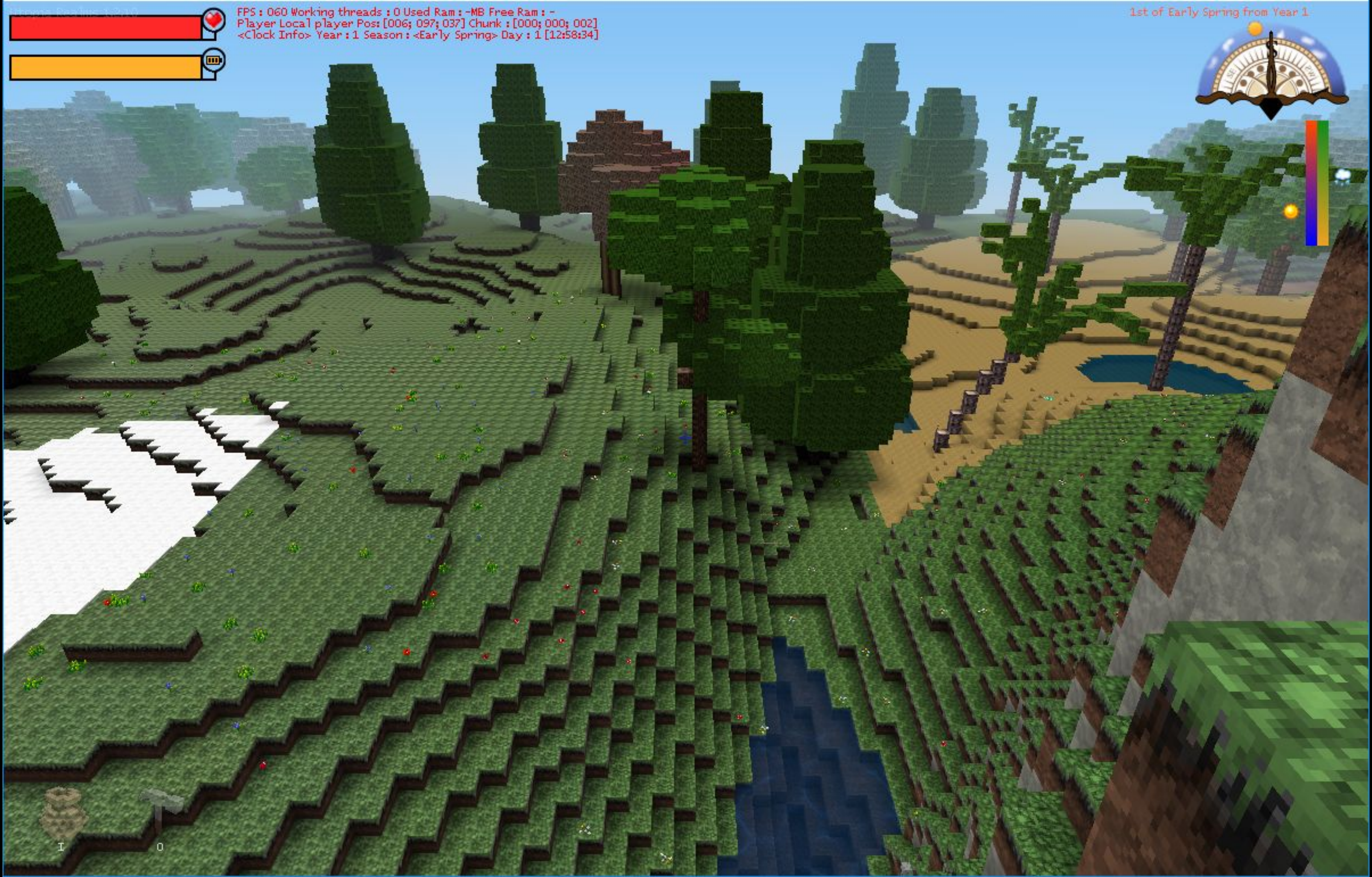

Utopia Realms 1.2.10

LTree

Диаграмма Вороного



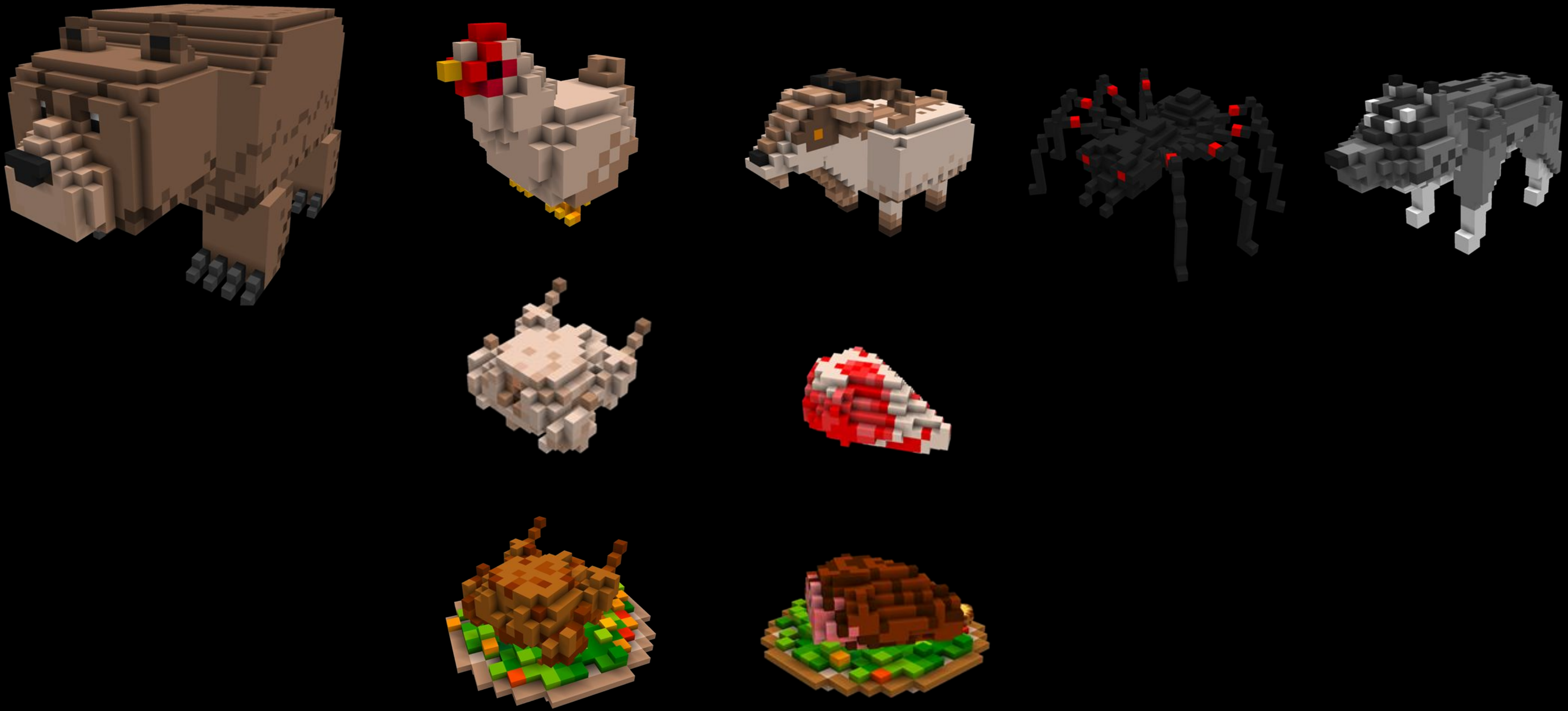


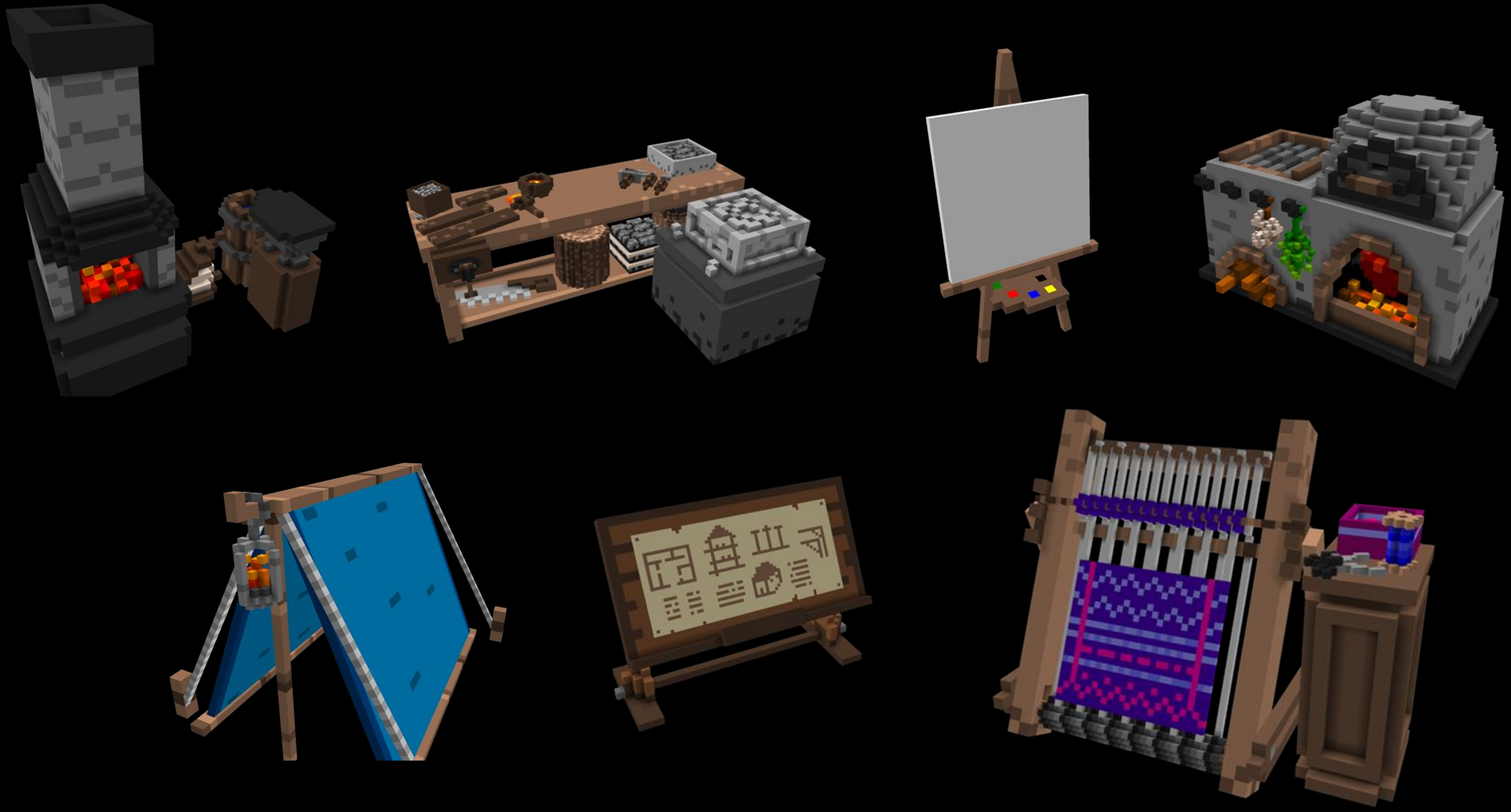


```
FPS : 060 Working threads : 0 Used Ram : -MB Free Ram : -
Player Local player Pos: [006; 097; 037] Chunk : [000; 000; 002]
<Clock Info> Year : 1 Season : <Early Spring> Day : 1 [12:58:34]
```

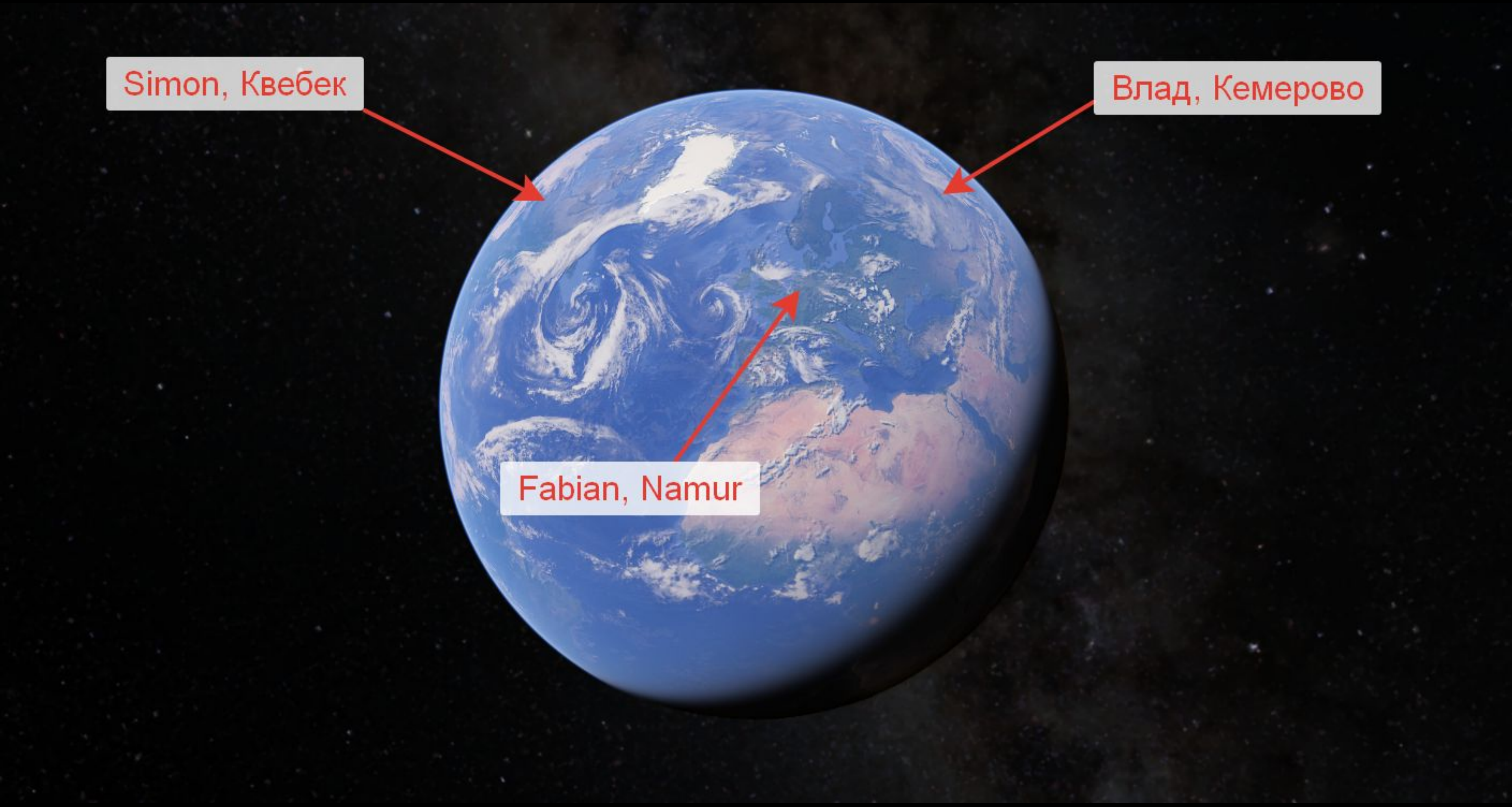
1st of Early Spring from Year 1
I
O

Редактор моделей





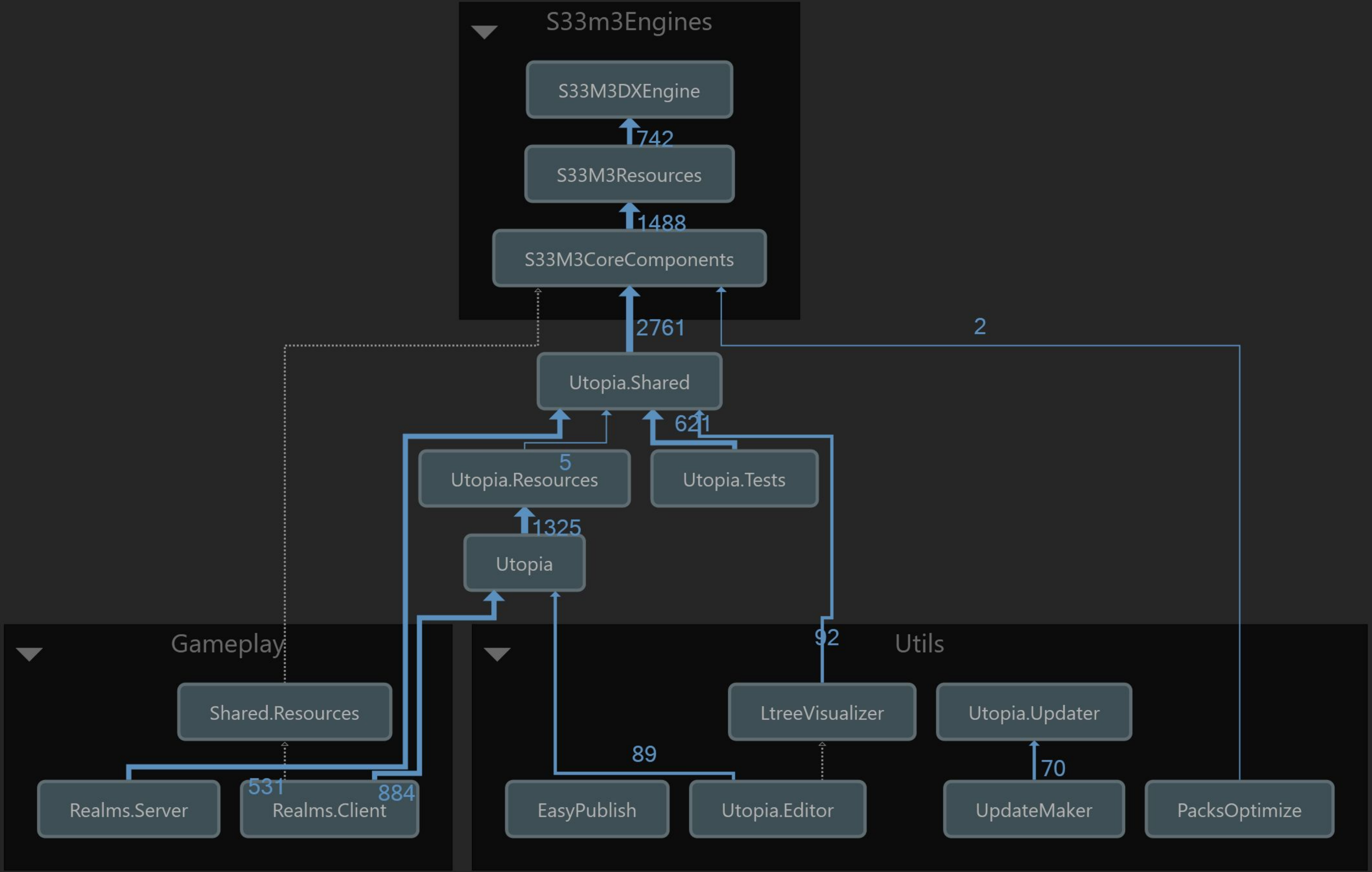
Команда

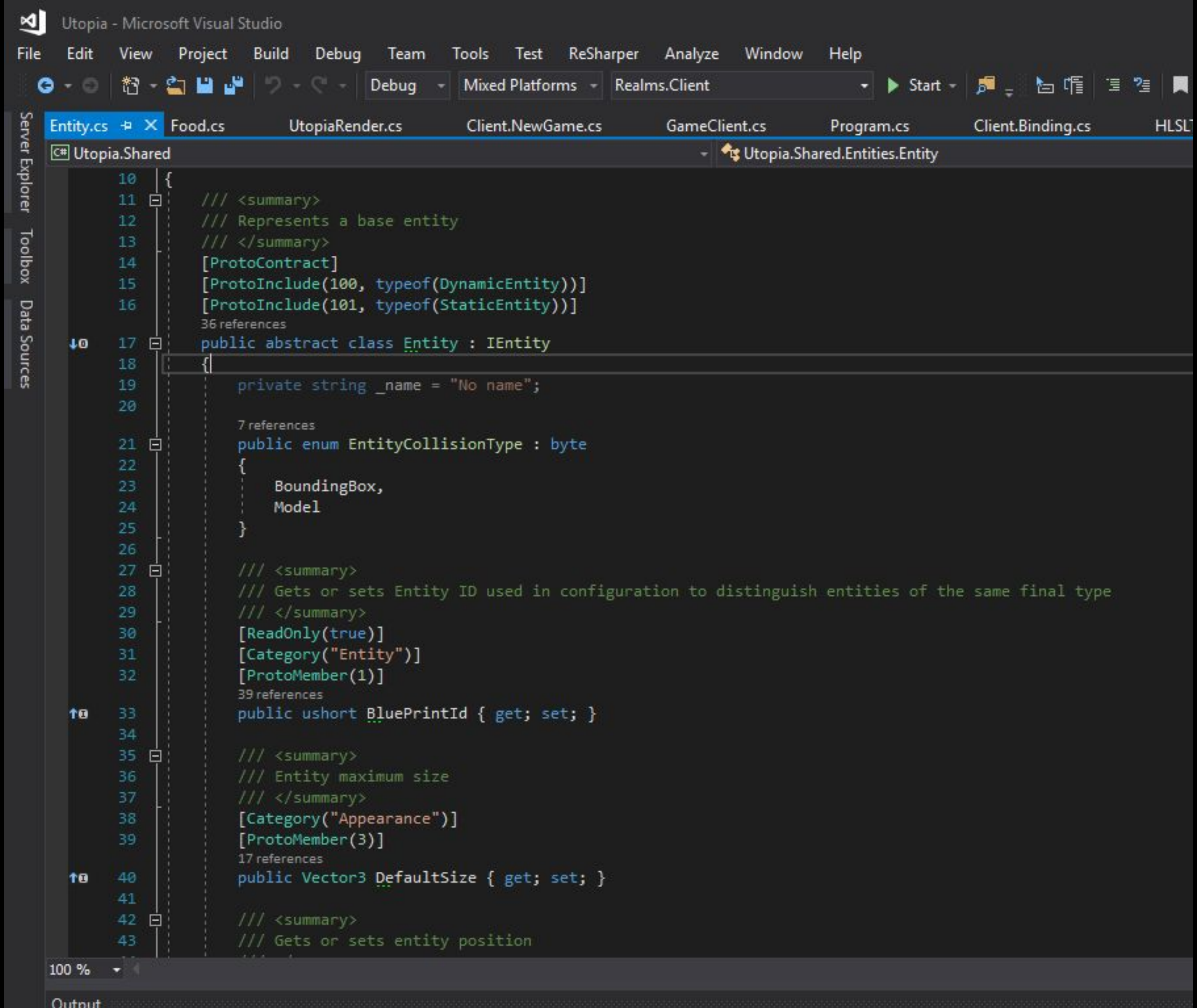


Simon, Квебек

Влад, Кемерово

Fabian, Namur


S33m3Engines
S33M3DXEngine
742
S33M3Resources
1488
S33M3CoreComponents
2761
2
Utopia.Shared
621
5
Utopia.Resources
Utopia.Tests
1325
Utopia
Gameplay
92
Utils
Shared.Resources
LtreeVisualizer
Utopia.Updater
89
70
531
884
Realms.Server
Realms.Client
EasyPublish
Utopia.Editor
UpdateMaker
PacksOptimize


Utopia - Microsoft Visual Studio
File
Edit
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Project
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Mixed Platforms
Realms.Client
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Food.cs
UtopiaRender.cs
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GameClient.cs
Program.cs
Client.Binding.cs
HLSL
Utopia.Shared
Utopia.Shared.Entities.Entity
Server Explorer
Toolbox
Data Sources
100 %
Output

```csharp
{
    /// <summary>
    /// Represents a base entity
    /// </summary>
    [ProtoContract]
    [ProtoInclude(100, typeof(DynamicEntity))]
    [ProtoInclude(101, typeof(StaticEntity))]
    36 references
    public abstract class Entity : IEntity
    {
        private string _name = "No name";

        7 references
        public enum EntityCollisionType : byte
        {
            BoundingBox,
            Model
        }

        /// <summary>
        /// Gets or sets Entity ID used in configuration to distinguish entities of the same final type
        /// </summary>
        [ReadOnly(true)]
        [Category("Entity")]
        [ProtoMember(1)]
        39 references
        public ushort BluePrintId { get; set; }

        /// <summary>
        /// Entity maximum size
        /// </summary>
        [Category("Appearance")]
        [ProtoMember(3)]
        17 references
        public Vector3 DefaultSize { get; set; }

        /// <summary>
        /// Gets or sets entity position
```

Хронология

июнь 2011 - старт разработки

январь 2013 - первый закрытый публичный тест

февраль 2014 - последний релиз

август 2015 - последний коммит

Как я бы сделал сейчас

1. Цепочка продаж, расшивание воронок
2. Работа с пользователями (кастдев)
3. Видение и границы проекта
4. Короткие итерации - неделя

Сборка_

СЛЕДИТЕ ЗА НАМИ

t.me/sborkacamp

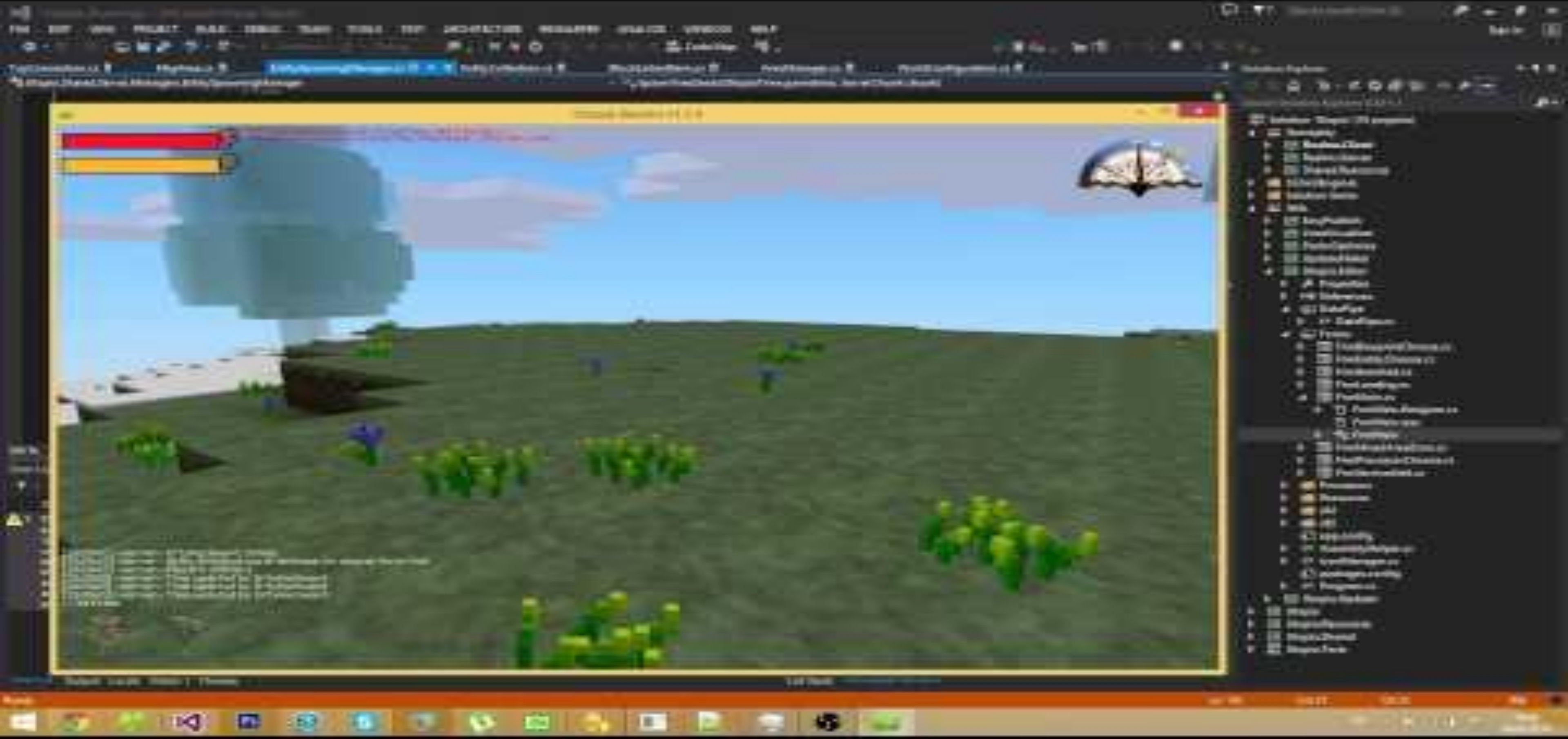
vk.com/sborkacamp

GoodLine
Оператор связи Кузбасса

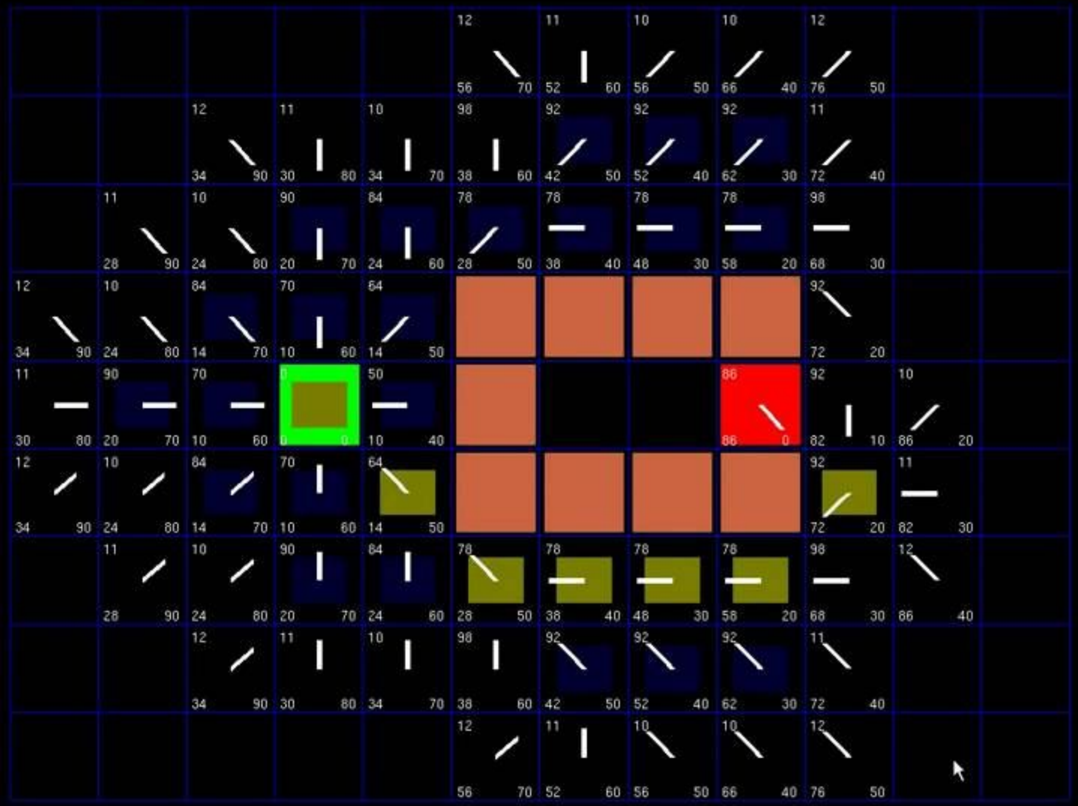
Атвинта

Продвижение

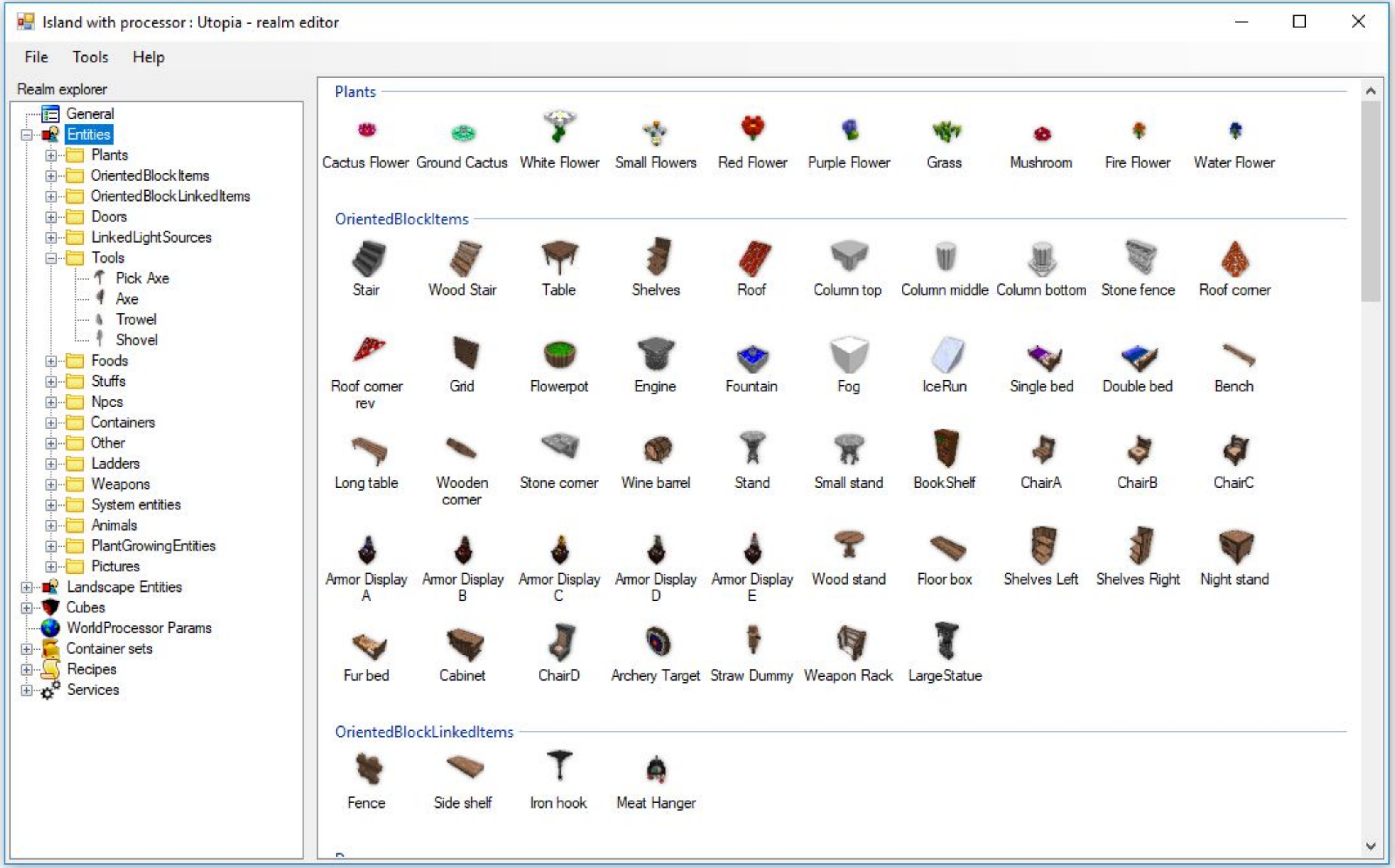
- Форумы игроделов
- Каталоги игр
- Обзорщики
- indiedb.com



AStar



					12 56 70	11 52 60	10 56 50	10 66 40	12 76 50		
		12 34 90	11 30 80	10 34 70	98 38 60	92 42 50	92 52 40	92 62 30	11 72 40		
	11 28 90	10 24 80	90 20 70	84 24 60	78 28 50	78 38 40	78 48 30	78 58 20	98 68 30		
12 34 90	10 24 80	84 14 70	70 10 60	64 14 50					92 72 20		
11 30 80	90 20 70	70 10 60	0 0 0	50 10 40				86 86 0	92 82 10	10 86 20	
12 34 90	10 24 80	84 14 70	70 10 60	64 14 50					92 72 20	11 82 30	
	11 28 90	10 24 80	90 20 70	84 24 60	78 28 50	78 38 40	78 48 30	78 58 20	98 68 30	12 86 40	
		12 34 90	11 30 80	10 34 70	98 38 60	92 42 50	92 52 40	92 62 30	11 72 40		
					12 56 70	11 52 60	10 56 50	10 66 40	12 76 50		


Island with processor : Utopia - realm editor
File
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Help
Realm explorer
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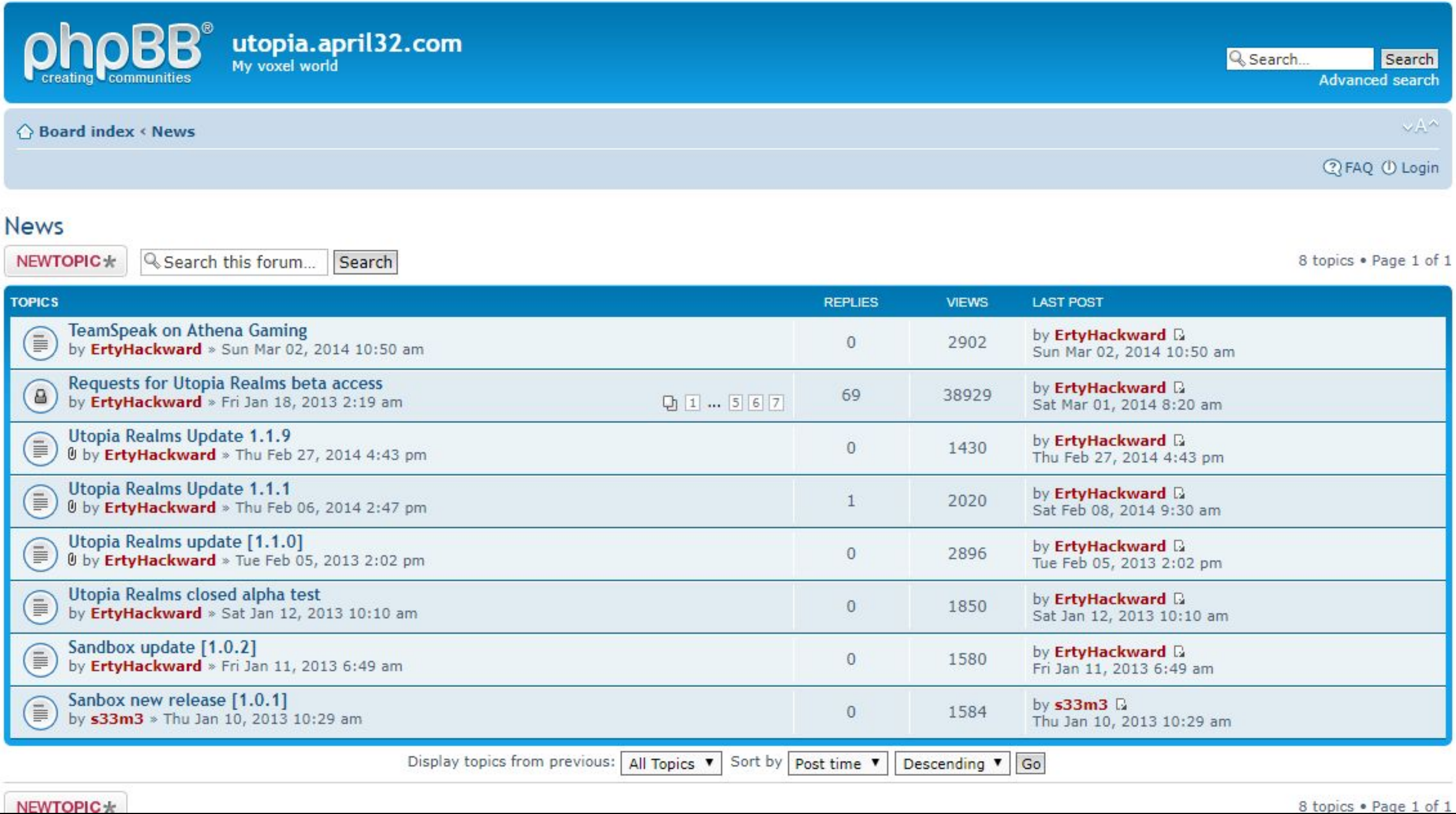
Plants
OrientedBlockItems
OrientedBlockLinkedItems
Doors
LinkedLightSources
Tools
Pick Axe
Axe
Trowel
Shovel
Foods
Stuffs
Npcs
Containers
Other
Ladders
Weapons
System entities
Animals
PlantGrowingEntities
Pictures
Landscape Entities
Cubes
WorldProcessor Params
Container sets
Recipes
Services
Plants
Cactus Flower
Ground Cactus
White Flower
Small Flowers
Red Flower
Purple Flower
Grass
Mushroom
Fire Flower
Water Flower
OrientedBlockItems
Stair
Wood Stair
Table
Shelves
Roof
Column top
Column middle
Column bottom
Stone fence
Roof corner
Roof corner rev
Grid
Flowerpot
Engine
Fountain
Fog
IceRun
Single bed
Double bed
Bench
Long table
Wooden corner
Stone corner
Wine barrel
Stand
Small stand
Book Shelf
ChairA
ChairB
ChairC
Armor Display A
Armor Display B
Armor Display C
Armor Display D
Armor Display E
Wood stand
Floor box
Shelves Left
Shelves Right
Night stand
Fur bed
Cabinet
ChairD
Archery Target
Straw Dummy
Weapon Rack
LargeStatue
OrientedBlockLinkedItems
Fence
Side shelf
Iron hook
Meat Hanger



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NEWTOPIC
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TOPICS	REPLIES	VIEWS	LAST POST
TeamSpeak on Athena Gaming by **ErtyHackward** » Sun Mar 02, 2014 10:50 am	0	2902	by **ErtyHackward** Sun Mar 02, 2014 10:50 am
Requests for Utopia Realms beta access by **ErtyHackward** » Fri Jan 18, 2013 2:19 am 1 ... 5 6 7	69	38929	by **ErtyHackward** Sat Mar 01, 2014 8:20 am
Utopia Realms Update 1.1.9 by **ErtyHackward** » Thu Feb 27, 2014 4:43 pm	0	1430	by **ErtyHackward** Thu Feb 27, 2014 4:43 pm
Utopia Realms Update 1.1.1 by **ErtyHackward** » Thu Feb 06, 2014 2:47 pm	1	2020	by **ErtyHackward** Sat Feb 08, 2014 9:30 am
Utopia Realms update [1.1.0] by **ErtyHackward** » Tue Feb 05, 2013 2:02 pm	0	2896	by **ErtyHackward** Tue Feb 05, 2013 2:02 pm
Utopia Realms closed alpha test by **ErtyHackward** » Sat Jan 12, 2013 10:10 am	0	1850	by **ErtyHackward** Sat Jan 12, 2013 10:10 am
Sandbox update [1.0.2] by **ErtyHackward** » Fri Jan 11, 2013 6:49 am	0	1580	by **ErtyHackward** Fri Jan 11, 2013 6:49 am
Sanbox new release [1.0.1] by **s33m3** » Thu Jan 10, 2013 10:29 am	0	1584	by **s33m3** Thu Jan 10, 2013 10:29 am

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