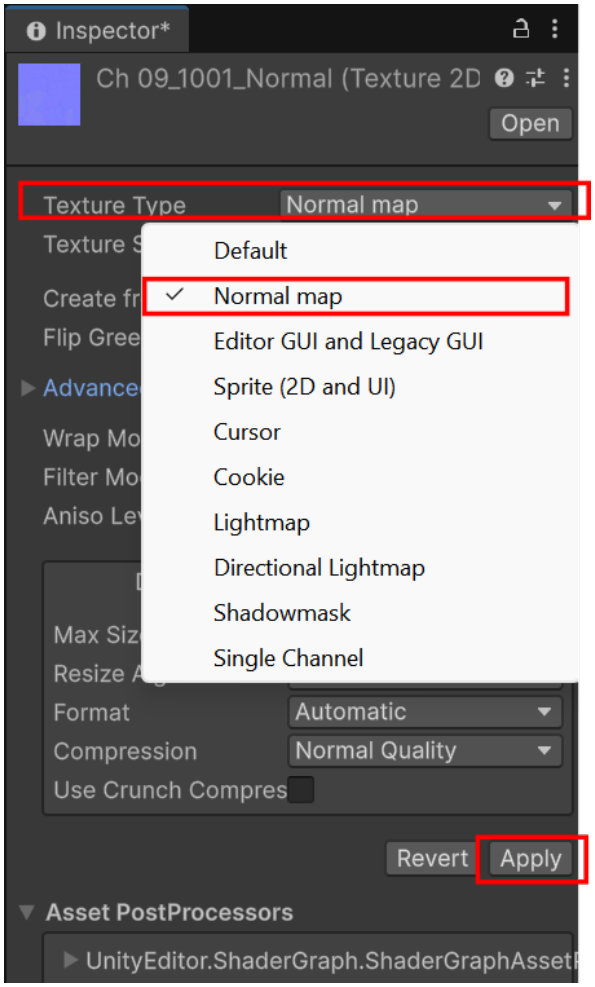
Timmy??????

??????????????????

□□□


Assets > Characters > Timmy > Textures
Ch09_1001_Diffuse
Ch09_1001_Glossi...
Ch09_1001_Normal
Ch09_1001_Specul...


Inspector*
Ch 09_1001_Normal (Texture 2D
Open
Texture Type
Normal map
Default
Normal map
Editor GUI and Legacy GUI
Sprite (2D and UI)
Cursor
Cookie
Lightmap
Directional Lightmap
Shadowmask
Single Channel
Format
Automatic
Compression
Normal Quality
Revert
Apply
Asset PostProcessors

□ ※□□□

?????

Input□□□

```
    // □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
    private Rigidbody rbody;

    // 3D□□□□□□□□□□□□
    private Vector3 velocity;

    private void Start()
    {
        // □□□□□□□□□□□
        rbody = GetComponent<Rigidbody>();
    }

    private void Update()
    {
        // □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
        velocity = Vector3.zero;

        // A/S□□□□□□□□□□□□□□□□3D□□□X□□□□□□□□□
        velocity.x = Input.GetAxis("Horizontal");

        // W/D (□□□□□)□□□□□□3D□□□Z□□□□□□□□□
        velocity.z = Input.GetAxis("Vertical");

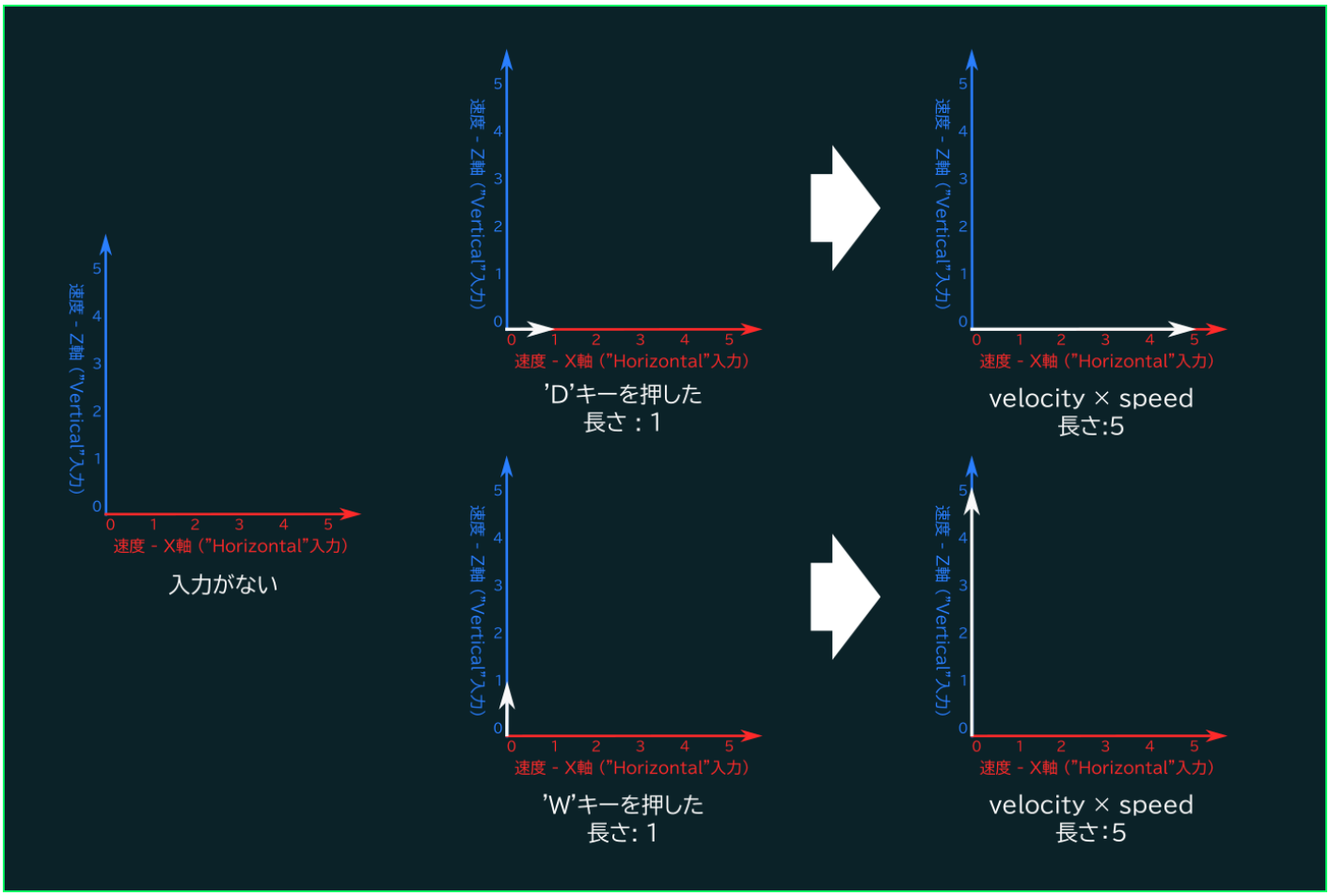
        // □□□□□□□□□□□□
        velocity.Normalize();

        // □□□□□□□□□
        velocity *= speed;
    }

    private void FixedUpdate()
    {
        // □□□□□□
        rbody.linearVelocity = velocity;
    }
}
```

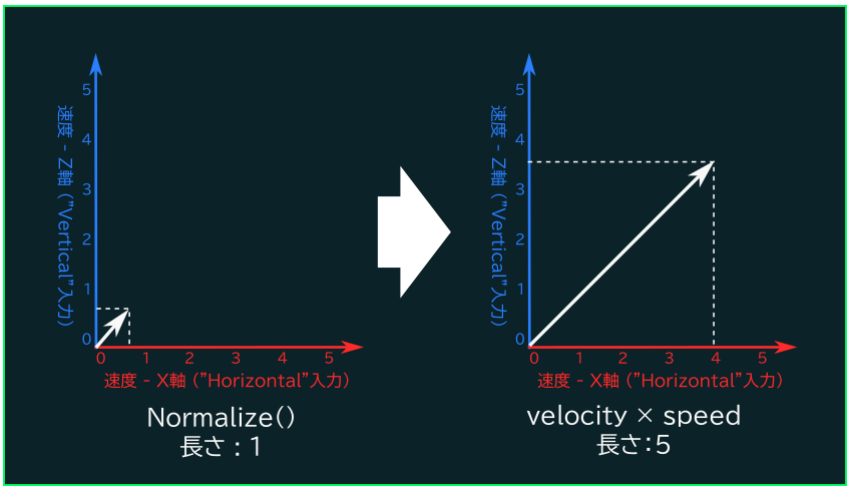
`Normalize()`??

`Normalize()`□□□□□□□□□□□□□□□□□□□



上下、または左右 のみ で移動する場合は、 GetAxis が -1～ 1 の数値を返すので、移動速度「 speed 」を掛けると、問題なく、長さ５の速度ベクトルができる。一方、同時に入力すると（斜め移動）

掛け算の前に単位ベクトルにすると：


速度 - Z軸 ("Vertical"入力)
速度 - X軸 ("Horizontal"入力)
Normalize()
長さ：1
velocity × speed
長さ:5

????

□□□□□□□□□ Player
□□□□□□□□□

```
private void FixedUpdate()
{
    // □□□□□□□□□
    Vector3 v = rbody.linearVelocity;

    // X□Z □□□□
    v.x = velocity.x;
    v.z = velocity.z;

    // □□□□□
    rbody.linearVelocity = v;
}
```

□□□□□□□□□□□

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Updated 2026-05-21 10:18:43 UTC by Menendez Francisco