????

????

[illegible]

C#????????????

1. [illegible] C#[illegible]

```
// [illegible]

int hp = 50; // [illegible]
int lives = 1; // [illegible]
int damage = 100; // [illegible]

// [illegible]

[illegible]

// [illegible]...

[illegible]
{
    // [illegible]

    [illegible]
}

// [illegible]

[illegible]
{
    Debug.Log("[illegible]");
}
```

```
// [illegible]
else
{
    Debug.Log($"[illegible]{lives}");
}
```

[illegible]

```
// [illegible]

int hp = 50; // [illegible]
int lives = 1; // [illegible]
int damage = 100; // [illegible]

// [illegible]
hp -= damage; // [illegible] hp = hp - damage;

// [illegible]...
if (hp <= 0)
{
    // [illegible]
    lives--;
}

// [illegible]
if (lives == 0)
{
    Debug.Log("[illegible]");
}

// [illegible]
else
{
    Debug.Log($"[illegible]{lives}");
}
```

[illegible]

[illegible]
[illegible]

---

2. [illegible] C#[illegible]

```
// [illegible]

float timeLeft = 8.51; // [illegible]
float raceDistance = 3643.43; //[illegible]

float checkPoint01 = 2300; // [illegible] → [illegible]1[illegible]
float checkPoint02 = 1500; //  [illegible]1 → [illegible]2[illegible]
float goalPoint = 2500; // [illegible]2 → [illegible]

// [illegible]...

______________________________________________________
{
    Debug.Log("[illegible]");
}

// [illegible]...

______________________________________________________
{
    Debug.Log("[illegible]");
    timeLeft += 80;
}

// [illegible]...

______________________________________________________
{
    Debug.Log("[illegible]1[illegible]");
    timeLeft += 60;
}

// [illegible]
```

```
Debug.Log($"□□□□□□{timeLeft}");
```

□□

```
// □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

float timeLeft = 8.51; // □□□□□□□□□
float raceDistance = 3643.43; //□□□□

float checkPoint01 = 2300; // □□□□ → □□□□□□□□1□□□
float checkPoint02 = 1500; //  □□□□□□□□1 → □□□□□□□□2□□
float goalPoint = 2500; // □□□□□□□□2 → □□□□□□□□

// □□□□□□□□□□□□□...
if (raceDistance >= checkPoint01 + checkPoint02 + goalPoint)
{
    Debug.Log("□□□□□□");
}

// □□□□□□□□□□□□□□□□□□□□□□□□...
else if (raceDistance >= checkPoint01 + checkPoint02)
{
    Debug.Log("□□□□□□□□□□□□");
    timeLeft += 80;
}

// □□□□□□□□□□□□□□□□□□□□□□□□...
else if (raceDistance >= checkPoint01)
{
    Debug.Log("□□□□□□□□1□□□");
    timeLeft += 60;
}

// □□□□□□□□
Debug.Log($"□□□□□□{timeLeft}");
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]

[illegible]
[illegible] 68.51

Unity???

[illegible] BMI[illegible] [illegible] [illegible]

日本肥満学会の判定基準

BMI値	判定
18.5未満	低体重(痩せ型)
18.5～25未満	普通体重
25～30未満	肥満(1度)
30～35未満	肥満(2度)
35～40未満	肥満(3度)
40以上	肥満(4度)

[illegible] BMI [illegible] [illegible] kg ÷ ([illegible] m)^2

[illegible]

- [illegible]
- BMI[illegible]
- if[illegible] BMI[illegible]

[illegible]

```
// [illegible]
float weight = 70;

// [illegible]
float height = 1.71;

// BMI[illegible]
float bmi = weight / (height * height);
```

```
if (bmi < 18.5)
{
    Debug.Log("□□□");
}
else if (bmi < 25)
{
    Debug.Log("□□□□");
}
else if (bmi < 30)
{
    Debug.Log("□□(1□)");
}
else if (bmi < 35)
{
    Debug.Log("□□(2□)");
}
else if (bmi < 40)
{
    Debug.Log("□□(3□)");
}
else
{
    Debug.Log("□□(4□)");
}
```

?????

??????????==???????switch-case?

□□□□□□□□□□□□□□□□□

□□□□□□□□ 1□□ 6□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 1□□□□□□□□□□ 2 □□□□□□□□□□□ if-else□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
// □□□□□□□
int dice = 5;
```

```
if (dice == 1)
{
    Debug.Log("□");
}
else if (dice == 2)
{
    Debug.Log("□");
}
else if (dice == 3)
{
    Debug.Log("□");
}
else if (dice == 4)
{
    Debug.Log("□");
}
else if (dice == 5)
{
    Debug.Log("□");
}
else if (dice == 6)
{
    Debug.Log("□");
}
else
{
    Debug.Log("□□□□□");
}
```

□□□□□□□□□□□□□□□□□□□□□□ 1□□□□□□□ 2□□□□□□ 2□□□□□□□ 3 □□□□□□□□□□ ==□□□□□□□□□□□□□□□□□□□□□□□□□□□□ switch-case □□□□□□□□□□□□□□□□□□□□□□□□

```
// □□□□□□□
int dice = 5;

switch(dice)
{
case 1: // dice == 1 □□□
    Debug.Log("□");
```

```
        break;
    case 2: // dice == 2 □□□
        Debug.Log("□");
        break;
    case 3: // dice == 3 □□□
        Debug.Log("□");
        break;
    case 4: // dice == 4 □□□
        Debug.Log("□");
        break;
    case 5: // dice == 5 □□□
        Debug.Log("□");
        break;
    case 6: // dice == 6 □□□
        Debug.Log("□");
        break;
    default: // else□□□
        Debug.Log("□□□□□□");
        break;
}
```

??????????????enum?

□□
□□□□□□□□□□□□□□□□□□□□

0: □□□□□□□ : 1□
1: □□□□□ : 5□
2: □□□□□□□ : 2□
3: □□□□□□ : 10□

□ switch-case□□□□□□□□□□□□□□□□□□

```
int damage = 0;
int weapon = 2;
switch(weapon)
{
case 0:
  damage = 1;
  break;
case 1:
```

```
    damage = 5;
    break;
  case 2:
    damage = 2;
    break;
  case 3:
    damage = 10;
    break;
  }
  Debug.Log($"[illegible]{damage}");
```

[illegible]

[illegible]

[illegible]

```
enum [illegible]
{
  [illegible]0[illegible],
  [illegible]1[illegible],
  [illegible]2[illegible],
  ...
  [illegible]n[illegible],
}
```

[illegible]

```
enum Weapon
{
  Unarmed, // 0:[illegible]
  Sword,   // 1:[illegible]
  Knife,   // 2:[illegible]
  Pistol,  // 3:[illegible]
}
```

[illegible] switch-case[illegible]

```
int damage;
Weapon wpn = Weapon.Knife;  // [illegible]Weapon[illegible]
switch(wpn)
{
case Weapon.Unarmed: // [illegible]0[illegible]
  damage = 1;
  break;
case Weapon.Sword:   // [illegible]1[illegible]
  damage = 5;
  break;
case Weapon.Knife:   //[illegible]2[illegible]
  damage = 2;
  break;
case Weapon.Pistol:  //[illegible]3[illegible]
  damage = 10;
  break;
}
Debug.Log($"[illegible]{damage}");
```

????

[illegible]

[illegible]	10[illegible]
[illegible]	25[illegible]
[illegible]	50[illegible]
[illegible]	100[illegible]
[illegible]	40[illegible]
[illegible]	250[illegible]

[illegible] C#[illegible] Unity[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. switch-case[illegible]

`ItemType` [illegible]

`playerMoney` - [illegible]

`buyItem` - `ItemType` [illegible]

`itemCost` - [illegible]

5. □□□□□□□　　if□□□□□□□□□□□□□□□

□□

```
// □□□□□□□□□□□□□□□□□□□□□□□□□
enum ItemType
{
  PotionSmall,   // □□□□□□□□
  PotionLarge,   // □□□□□□□□
  WoodShield,    // □□□
  IronShield,    // □□□
  LeatherBoots,  // □□□□□
  MagicCape,     // □□□□□□
}

// □□□□□□□
int playerMoney = 150;

// □□□□□□□□
ItemType buyItem = ItemType.WoodShield; // □□□□OK

// □□□□□□□□□□□
int itemCost;
switch(buyItem)
{
    case ItemType.PotionSmall:
        itemCost = 10;
        break;
    case ItemType.PotionLarge:
        itemCost = 25;
        break;
    case ItemType.WoodShield:
        itemCost = 50;
        break;
    case ItemType.IronShield:
        itemCost = 100;
        break;
    case ItemType.LeatherBoots:
        itemCost = 40;
        break;
```

```
    case ItemType.MagicCape:
        itemCost = 250;
        break;
}

// □□□□□□□□□□□□
if (itemCost <= playerMoney)
{
    Debug.Log("□□□□□□");
}
else
{
    Debug.Log("□□□□□□");
}
```

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