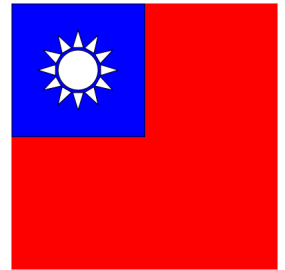```
var radius = 80; // 光芒半徑
var n = 12; // 光芒數目
var tWidth = 0.5*sin(180/n)*radius; //三角形寬度
var tRadius = 0.6*cos(180/n)*radius; // 光芒底
background(255, 0, 0); //滿地紅
fill(0, 0, 255); //青天
rect(0,0,200,200);
fill(255, 255, 255); //白日
translate(100,100); //設定白日中心點
ellipse(0,0,radius,radius);
for (var   ){
    noStroke();
    triangle(tRadius,tWidth,tRadius,-tWidth,radius,0);
    rotate(360/n);
}
```
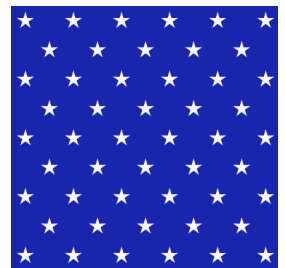
```
background(24, 37, 173); //設定背景色
var tWidth = 20, tHeight =34; //設定星星大小
var hGap = 72, vGap = 44; //設定見距
//設定星星的繪製
var drawStar = function(x,y,r,m){ //半徑 r, 角數 m
    translate(x,y);
    scale(r);
    noStroke();
    for(var i = 0; i< m; i++){
        triangle(tWidth/2,0,-tWidth/2,0,0,-tHeight);
        rotate(360/m);}
    resetMatrix();};
//繪製 50 個星星
for(var y = 0; y < 9; y++){
    for(   ){ //奇數列5星,偶數列6星
        drawStar((x+0.3+0.5*(y%2))*hGap,(y+0.5)*vGap,0.4,5);
    }
}
```

```
frameRate(1);
var n =69;
var i = 0, r = 0;
fill(255, 0, 0);
textSize(25); textAlign(RIGHT,BOTTOM);

var draw= function() {
    if(n>0){
        fill(125, 0, 125);
        text(n, 150, 30*i+50);
        r = n%2;
        fill(0, 0, 255);
        text(r, 200, 30*i+50);
        n = floor(n/2);
        fill(0, 255, 125);
        text(pow(2,i),250,30*i+50);
    }
    i++;
};
```

69	1	1
34	0	2
17	1	4
8	0	8
4	0	16
2	0	32
1	1	64

```
var div = [7,11,13];
var rem = [6,4,2];
var tSize = 20;
var i,n = 0;
var fitNumber = 0;

var reDraw = function(){
    textAlign(LEFT,CENTER);
    textSize(tSize);
    fill(0, 0, 0);
    background(255, 255, 255);
    text("找一個數，滿足以下條件：",30
    for (i = 0; i < 3 ; i ++){
        text("除 " + div[i] +" 餘 "+ r
    }
};
```

```
var draw= function() {
    if(              ){
        fitNumber = 0;
        if((n%10) === 0){reDraw();}
        n++;
        fill(0, 0, 255); textAlign(RIGHT,CENTER);
        text(n +":",70,100+25*((n-1)%10));
        for(var j = 0 ; j < 3; j++){
        if((n%div[j])=== rem[j]){
            fill(255, 0, 0);
            fitNumber++;}
        else{fill(0, 0, 0);}
        text((n%div[j]),160+100*j,100+25*((n-1)%10));}
    }
};
```

找一個數，滿足以下條件：

除 7 餘 6；除 11 餘 4；除 13 餘 2；

581:	0	9	9
582:	1	10	10
583:	2	0	11
584:	3	1	12
585:	4	2	0
586:	5	3	1
587:	6	4	2