

## Source code on JS:

```
function binaryRandom(){
    return Math.random() > 0.5 ? 1 : 0;
}

function getBinaryRandomMass(length){
    var tempMass = [];

    for(var i = 0; i < length; i++){
        tempMass.push(binaryRandom())
    }

    return tempMass;
}

function init(){
    var returnMass = [];
    for(var i = 2; i <= 20; i++){
        tempMass1 = [];
        for(var j = 0; j < 50; j++){
            tempMass2 = [];
            for(var k = 0; k < i; k++){
                tempMass2.push(binaryRandom());
            }
            tempMass1.push(tempMass2);
        }
        returnMass.push(tempMass1);
    }
    return returnMass;
}
```

```

function compareMass(pinMass){
    for(var i = 0; i < pinMass.length; i++){

        var tempSum = 0;
        for(var j = 0; j < 50; j++){
            var amountCompare = 0;
            while(true){
                if(pinMass[i][j].join(',') ==
getBinaryRandomMass(pinMass[i][j].length).join(',')){
                    break;
                }
                amountCompare++;
            }
            tempSum += amountCompare;
        }
        console.log(tempSum / 50);
    }
    return pinMass;
}

var pinMass = init();
pinMass = compareMass(pinMass);

```

## Results:

|            |
|------------|
| 3.38       |
| 5.72       |
| 15.4       |
| 34.68      |
| 71.28      |
| 112.76     |
| 208.54     |
| 604.96     |
| 818        |
| 2136.28    |
| 3581.4     |
| 10942.46   |
| 19496.8    |
| 29243.84   |
| 82077.56   |
| 195942.74  |
| 333597.58  |
| 430785.54  |
| 1030302.08 |

Graphic:





