




Zrnko múdrosti

Should array indices start at 0 or 1? My compromise of 0.5 was rejected without, I thought, proper consideration.

Stan Kelly-Bootle

Hash Code

| | | | |
|-----|-------------------------------|---|---|
| 1. | Junaci z Duboveho haja | | 49 190 808 |
| 2. | Blue Vision Labs | United Kingdom / GDG London | 48 698 774 |
| 3. | "; DROP TABLE TEAMS;-- | Slovakia / VacuumHub | 47 909 028 |
| 4. | Baristas | | 45 594 562 |
| 5. | Martins & Co. | United Kingdom / University of Edinburgh - CompSoc | 45 235 875 |
| 6. | GigaStep | Slovakia / VacuumHub |   45 202 318 |
| 7. | Gympos | United Kingdom / Hackers At Cambridge | 44 750 879 |
| 8. | pytomci | Slovakia / VacuumHub | 44 007 106 |
| 9. | TrePe Team |  | 42 576 298 |
| 10. | Finifugal fudgel(s) ~\(^ツ)^/~ | | 40 726 159 |

Dúfame, že postavíte študentský tím na IPSC 2018 (jún-júl)

Kto číta vaše kódy

(Moss = Measure Of Software Similarity)



```
        return 0;
    }
    return (int)Math.pow(2, pocetCislicVBin) - n;
}

public static int pocetMoznosti(int n){
    if(n == 0 || n == 1){
        return 1;
    }
    if(n > 1){
        if(n%2==0){
            return pocetMoznosti(n - 1) + pocetMoznosti(n / 2);
        }
        else{
            return pocetMoznosti(n - 2) + pocetMoznosti((n-1) / 2);
        }
    }
    return 0;
}

//*****BONUS*****
public static boolean sucet(int n){
    if(najmensiPocet(n) == 2){
        return true;
    }
    return false;
}

public static boolean rozdiel(int n){
    if(n < 2){
        return true;
    }
    for(int i = 0; n >= Math.pow(2, i); i++){
        if(((n + (int)Math.pow(2, i)) & (n + (int)Math.pow(2, i)-1)) == 0){
            return true;
        }
    }
}
```

```
public static int pocetMoznosti(int n) {
    int pocet = 0;
    if (n == 0) {
        return 1;
    }
    if (n == 1) {
        return 1;
    }
    if (n > 1) {
        if (n%2 == 0) {
            return pocetMoznosti(n-1) + pocetMoznosti(n/2);
        }
        else {
            return pocetMoznosti(n-2) + pocetMoznosti((n-1)/2);
        }
    }
    return pocet;
}

// -----BONUS-----

public static boolean sucet(int n) {
    if (najmensiPocet(n) == 2) {
        return true;
    }
    return false;
}

public static boolean rozdiel(int n) {
    if (n < 2) {
        return true;
    }
    for (int i=0; n>=Math.pow(2,i); i++) {
        if (((n+(int)Math.pow(2, i)) & (n+(int)Math.pow(2, i)-1)) == 0) {
            return true;
        }
    }
}
```

WAR IS PEACE
FREEDOM IS SLAVERY
IGNORANCE IS STRENGTH



**BIG BROTHER IS
WATCHING YOU**

Teachers call it cheating, we call it Teamwork =>



```
public static int pocetMoznosti(int n){
```

```
    if (n == 0 || n == 1){  
        return 1;  
    }
```

```
    else if (n == 2){  
        return 2;  
    }
```

```
    int[] p = new int [n+1];  
    p[0] = 1;  
    p[1] = 1;  
    p[2] = 2;  
    if (n < 3){
```

```
        return p[n];  
    }
```

```
    for (int i = 3; i < n+1; i++){  
        p[i] = p[i-2] + p[i/2];  
    }  
    return p[n];  
}
```

```
public static int pocetMoznosti(int n) {  
    if (n == 0) {  
        return 1;  
    }  
}
```

```
    else if (n == 1) {  
        return 1;  
    }
```

```
    else if (n == 2) {  
        return 2;  
    }
```

```
    int[] p = new int [n+1];  
    p[0] = 1;  
    p[1] = 1;  
    p[2] = 2;
```

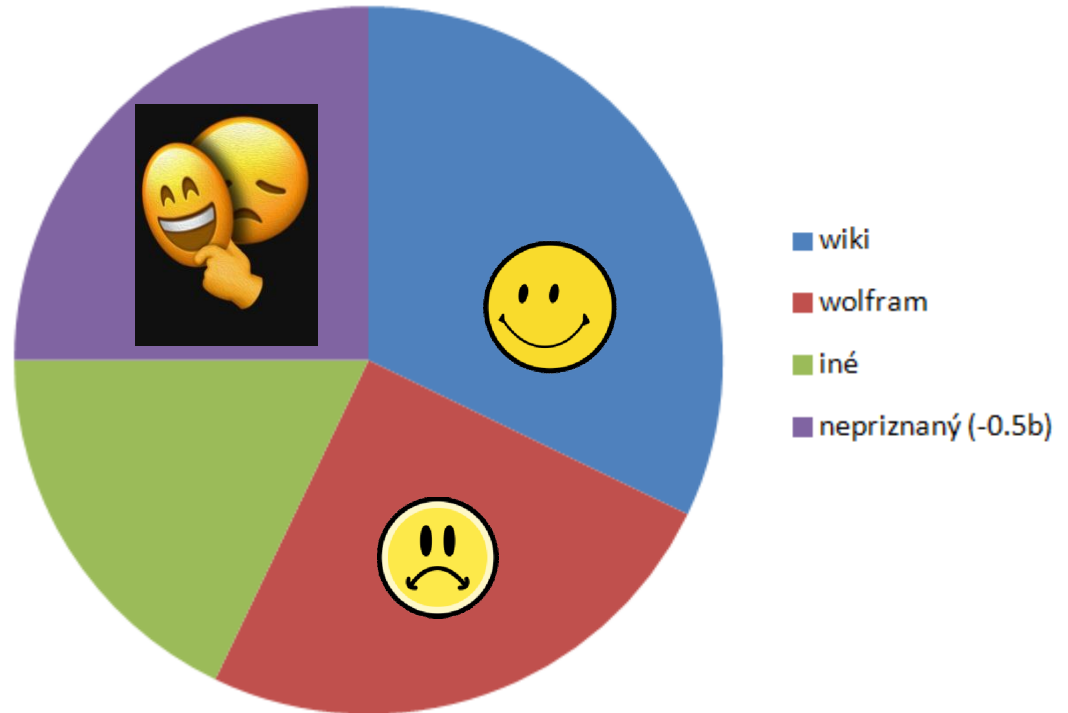
```
    for (int i = 3; i < n+1; i++){  
        p[i] = p[i-2] + p[i/2];  
    }  
    return p[n];  
}
```

ADŠ uvidentne nie je zdrojom:

- <http://struct.input.sk/08.html#mincovka>

O krájani pizze

good artists copy,
great artists steal
Picasso



Lenže toto nie je umenie ale príšerne napísaný kód:

```
(int)((Math.pow(n, 4) - (6 * Math.pow(n, 3)) +  
(23*Math.pow(n,2)) - (18*n) + 24)/24)
```

=

```
(n*n*n*n - 6*n*n*n + 23*n*n - 18*n + 24)/24
```

=

```
((((n-6)*n+23)*n-18)*n+24)/24
```

=

```
((((n-6)*n+23)*n-18)*n/24+1
```

The Winner is (Animated Math):

<http://www.3blue1brown.com/videos/2017/5/26/y4nc90ncml3r7kglv36szd72jlm90e>

Diagram for the computation by the Engine of the Numbers of Bernoulli. See Note G. (page 722 *et seq.*)



Ada

1983 * 1995 * 2005 * 2012 *

"I DON'T NEED TO DO MY HOMEWORK. I OUTSOURCED IT TO A KID IN CHINA."

Here follows a repetition of Operations thirteen to twenty-three.



"I DON'T NEED TO DO MY HOMEWORK. I OUTSOURCED IT TO A KID IN CHINA."