

**10. veljače 2017. od 09:00 do 11:00**



Županijsko natjecanje / Osnovna škola (8. razred)   
Algoritmi (Logo)



**SLUŽBENI TEST PODACI**

# Zadatak 1: Baterija

30 bodova

|  |  |  |  |
| --- | --- | --- | --- |
|  | Primjer | Slika | Bodovi |
| Test 1 | CS BATERIJA 120 70 100 | Slika 1.1 | 6 |
| Test 2 | CS BATERIJA 200 125 62 | Slika 1.2 | 6 |
| Test 3 | CS BATERIJA 250 150 2 | Slika 1.3 | 6 |
| Test 4 | CS BATERIJA 160 100 15 | Slika 1.4 | 6 |
| Test 5 | CS BATERIJA 120 120 0 | Slika 1.5 | 6 |

**Napomena:** bodovi se dodjeljuju ako je slika ispravno nacrtana i nije se pojavila nikakva pogreška. Iznimno, ako je slika točna, ali nije obojena odgovarajućim bojama ili nije uopće obojena, dodjeljuju se **3 boda** na tom test podatku.

# Zadatak 2: Arhimed

40 bodova

|  |  |  |  |
| --- | --- | --- | --- |
|  | Primjer | Slika | Bodovi |
| Test 1 | CS ARHIMED 0 100 | Slika 2.1 | 5 |
| Test 2 | CS ARHIMED 1 100 | Slika 2.2 | 5 |
| Test 3 | CS ARHIMED 2 150 | Slika 2.3 | 5 |
| Test 4 | CS ARHIMED 3 150 | Slika 2.4 | 5 |
| Test 5 | CS ARHIMED 3 200 | Slika 2.5 | 5 |
| Test 6 | CS ARHIMED 4 200 | Slika 2.6 | 5 |
| Test 7 | CS ARHIMED 5 210 | Slika 2.7 | 5 |
| Test 8 | CS ARHIMED 6 220 | Slika 2.8 | 5 |

**Napomena:** bodovi se dodjeljuju ako je slika ispravno nacrtana i nije se pojavila nikakva greška.

# Zadatak 3: Zmaj

60 bodova

|  |  |  |  |
| --- | --- | --- | --- |
|  | Primjer | Slika | Bodovi |
| Test 1 | CS ZMAJ 2 100 | Slika 3.1 | 6 |
| Test 2 | CS ZMAJ 3 80 | Slika 3.2 | 6 |
| Test 3 | CS ZMAJ 4 40 | Slika 3.3 | 6 |
| Test 4 | CS ZMAJ 5 30 | Slika 3.4 | 6 |
| Test 5 | CS ZMAJ 6 25 | Slika 3.5 | 6 |
| Test 6 | CS ZMAJ 7 20 | Slika 3.6 | 6 |
| Test 7 | CS ZMAJ 8 10 | Slika 3.7 | 6 |
| Test 8 | CS ZMAJ 10 10 | Slika 3.8 | 6 |
| Test 9 | CS ZMAJ 12 2.5 | Slika 3.9 | 6 |
| Test 10 | CS ZMAJ 14 1.5 | Slika 3.10 | 6 |

**Napomena:** bodovi se dodjeljuju ako je slika ispravno nacrtana i nije se pojavila nikakva greška.

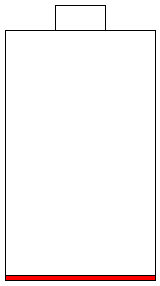
# Zadatak 4: Split

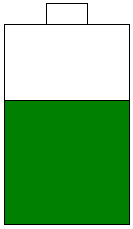
70 bodova

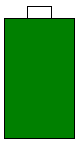
|  |  |  |  |
| --- | --- | --- | --- |
|  | Primjer | Izlaz | Bodovi |
| Test 1 | split\_01\_in.txt | split\_01\_out.txt | 7 |
| Test 2 | split\_02\_in.txt | split\_02\_out.txt | 7 |
| Test 3 | split\_03\_in.txt | split\_03\_out.txt | 7 |
| Test 4 | split\_04\_in.txt | split\_04\_out.txt | 7 |
| Test 5 | split\_05\_in.txt | split\_05\_out.txt | 7 |
| Test 6 | split\_06\_in.txt | split\_06\_out.txt | 7 |
| Test 7 | split\_07\_in.txt | split\_07\_out.txt | 7 |
| Test 8 | split\_08\_in.txt | split\_08\_out.txt | 7 |
| Test 9 | split\_09\_in.txt | split\_09\_out.txt | 7 |
| Test 10 | split\_10\_in.txt | split\_10\_out.txt | 7 |

**Napomena:** bodovi se dodjeljuju ako ispis točan i nije se pojavila nikakva greška. Iznimno, programe koji ispisuju točna rješenja uz grešku koja je nastala zbog toga što natjecatelj rješenje ne vraća naredbom OP, već ga samo ispisje na ekran, treba bodovati sa **5 bodova** po test podatku.

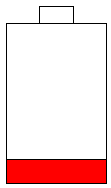
# Slike 1: Baterija

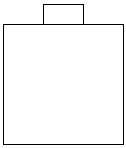






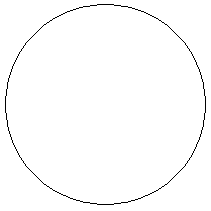
Slika 1.1 Slika 1.2 Slika 1.3

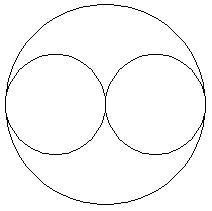


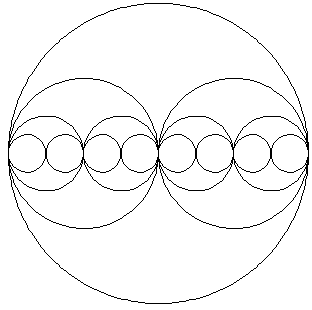


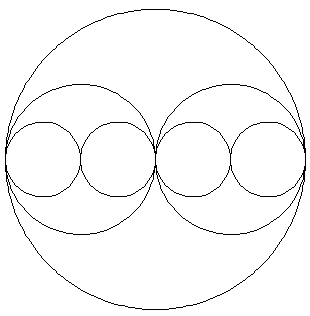
Slika 1.4 Slika 1.5

# Slike 2: Arhimed

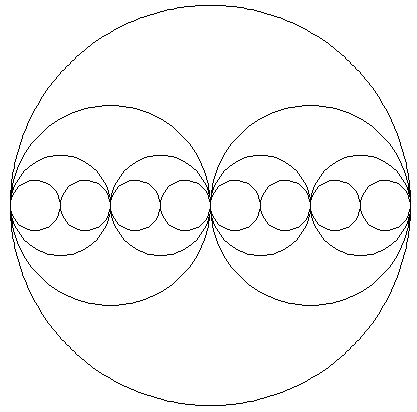




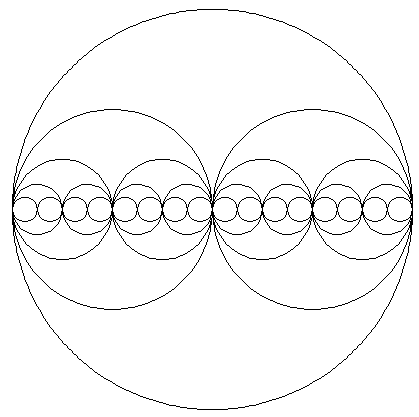
Slika 2.1 Slika 2.2



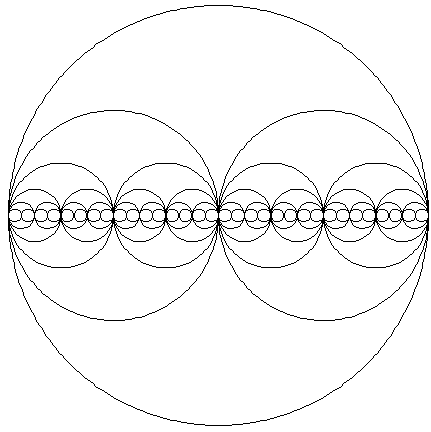
Slika 2.3 Slika 2.4



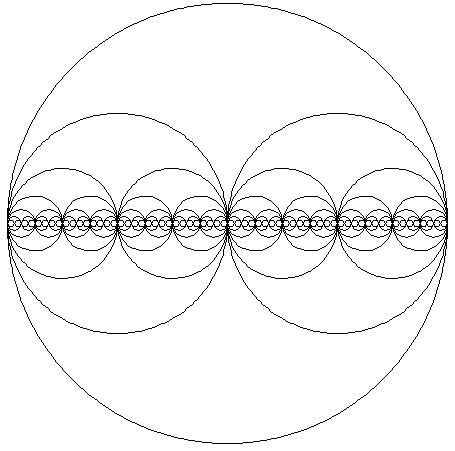
Slika 2.5



Slika 2.6

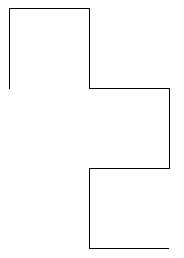


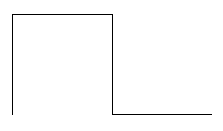
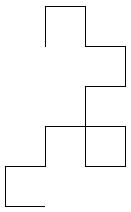
Slika 2.7



Slika 2.8

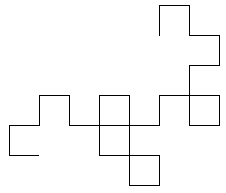
# Slike 3: Zmaj

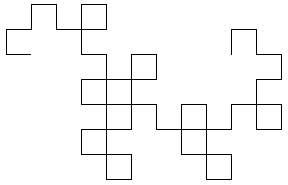




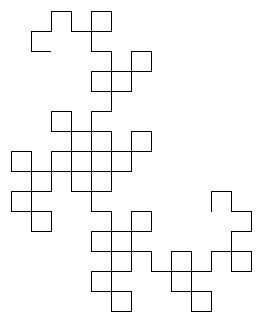
Slika 3. 1

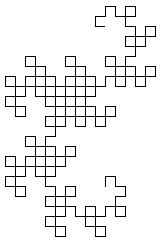
Slika 3.2 Slika 3.3





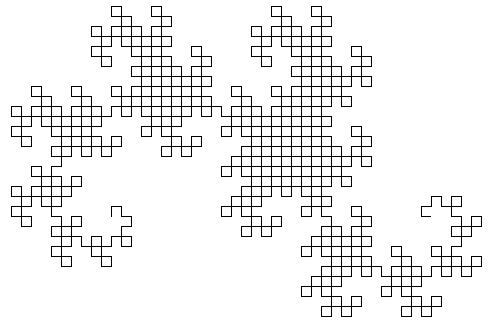
Slika 3.4 Slika 3.5



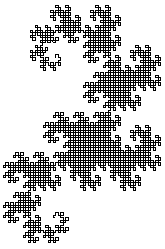


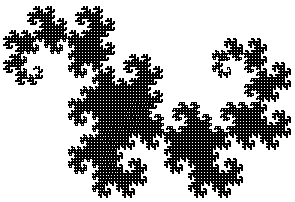
Slika 3.6

Slika 3.7



Slika 3.8





Slika 3.9 Slika 3.10