



HRVATSKA LOGO LIGA

5. kolo
od 8. do 18. veljace 2019.

Službeni test podaci

Uputa za bodovanje

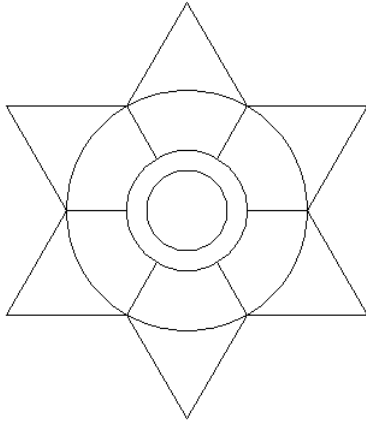
Svaki se zadatak boduje pomoću unaprijed koncipiranih test podataka koje možete pronaći u nastavku ovog dokumenta. Pojedini test podatak definiran je ulazom (pozivom programa), službenim izlazom te brojem bodova koje je na tom test podatku moguće osvojiti. Bodovi se na pojedinom test podatku dodjeljuju samo ako se izlaz programa slaže sa službenim izlazom te je program, unutar predviđenog vremenskog ograničenja, **regularno** završio s izvođenjem. Regularno završavanje programa podrazumijeva da se prilikom izvršavanja nije pojavila nikakva poruka o pogrešci.

Izlaz programa u jeziku Logo može biti grafički ili tekstualan (brojevi, riječi, liste). U slučaju tekstualnog izlaza, rješenje smatramo ispravnim samo ako je identično službenom rješenju. Primjerice, ako je ispravno rješenje nekog test primjera riječ "BANANA, izlazi poput ["BANANA] ili [B A N A N A] ne smatraju se ispravnim. U slučaju grafičkog izlaza, rješenje smatramo ispravnim samo ako je lik na ekranu ekvivalentan liku u službenom rješenju. Prilikom uspoređivanja likova, ako u zadatku nije drugačije navedeno, njegova nam pozicija na ekranu nije bitna. Formalnije, ako je službeno rješenje moguće dobiti postupcima **translacije** i/ili **rotacije** nacrtanog lika, tada izlaz programa smatramo ispravnim. Ovdje je važno istaknuti da prije pokretanja svakog primjera olovka mora biti spuštена, a boje za crtanje i ispunu trebaju biti postavljene na pretpostavljane (default) vrijednosti. Ovo možete osigurati tako da prije pokretanja svakog primjera upišete PD SETPC 0 SETFC 0.

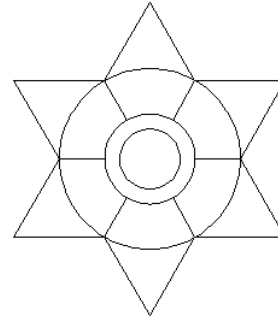
Kako bi olakšali evaluaciju, u prilogu se nalaze test podaci u tekstualnom (.txt) obliku, kao i slike rješenja. Svaki test podatak nalazi se u zasebnoj tekstualnoj datoteci.

Konačno, u sklopu nekih zadataka nalazi se sekcija **BODOVANJE** koja, osim što natjecatelju pruža uvid u bodovanje pojedinih dijelova zadatka, može sadržavati informacije koje upotpunjuju ili nadjačavaju opće smjernice za bodovanje dane u prethodnim odlomcima.

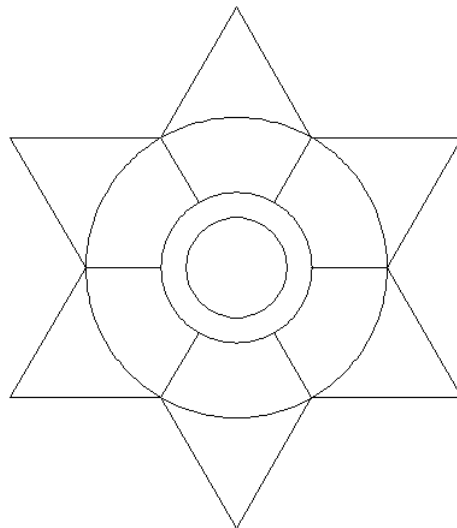
	Primjer	Slika	Bodovi
Test 1	CS STARYU 100	Slika 4.1	20
Test 2	CS STARYU 75	Slika 4.2	20
Test 3	CS STARYU 125	Slika 4.3	20
Test 4	CS STARYU 50	Slika 4.4	20



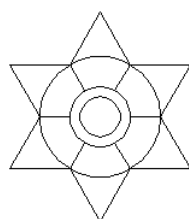
CS STARYU 100
Slika 4.1



CS STARYU 75
Slika 4.2



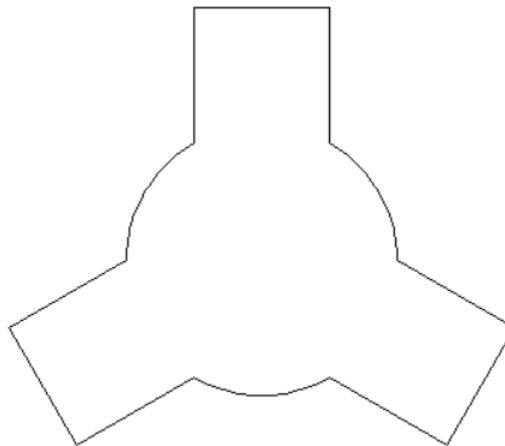
CS STARYU 125
Slika 4.3



CS STARYU 50

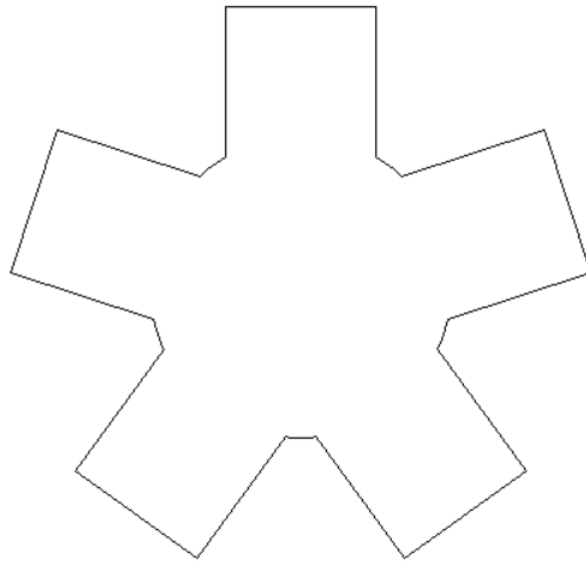
Slika 4.4

	Primjer	Slika	Bodovi
Test 1	CS KOFFING 3 90 60	Slika 5.1	10
Test 2	CS KOFFING 5 100 60	Slika 5.2	10
Test 3	CS KOFFING 8 80 45	Slika 5.3	10
Test 4	CS KOFFING 5 100 72	Slika 5.4	10
Test 5	CS KOFFING 4 50 90	Slika 5.5	10
Test 6	CS KOFFING 7 80 20	Slika 5.6	10
Test 7	CS KOFFING 9 100 10	Slika 5.7	10
Test 8	CS KOFFING 4 75 70	Slika 5.8	10
Test 9	CS KOFFING 3 80 90	Slika 5.9	10
Test 10	CS KOFFING 12 100 20	Slika 5.10	10



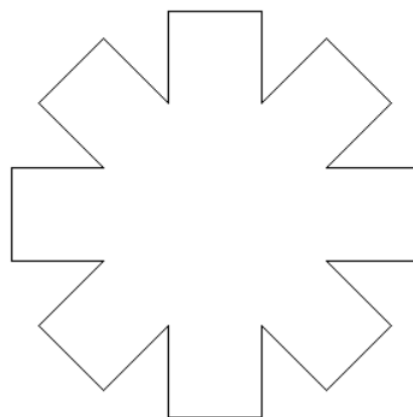
CS KOFFING 3 90 60

Slika 5.1



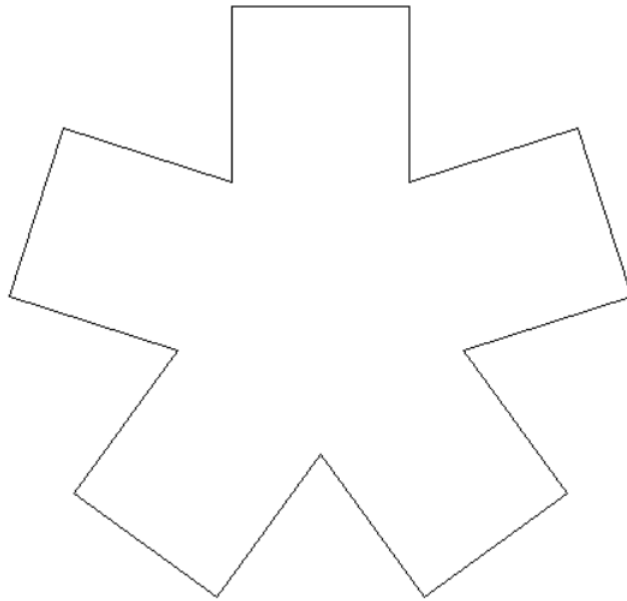
CS KOFFING 5 100 60

Slika 5.2



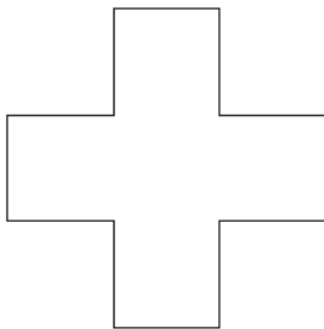
CS KOFFING 8 80 45

Slika 5.3



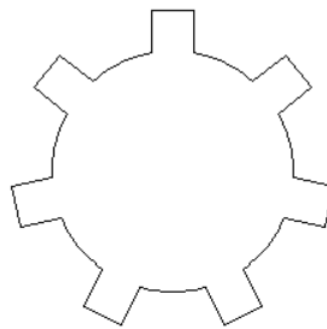
CS KOFFING 5 100 72

Slika 5.4



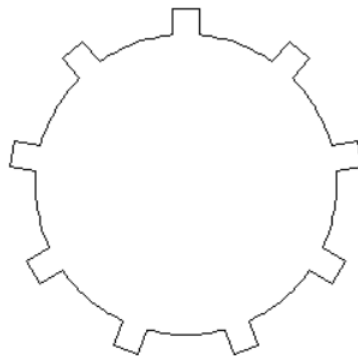
CS KOFFING 4 50 90

Slika 5.5



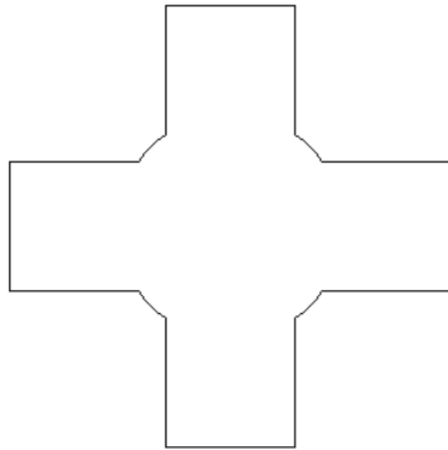
CS KOFFING 7 80 20

Slika 5.6



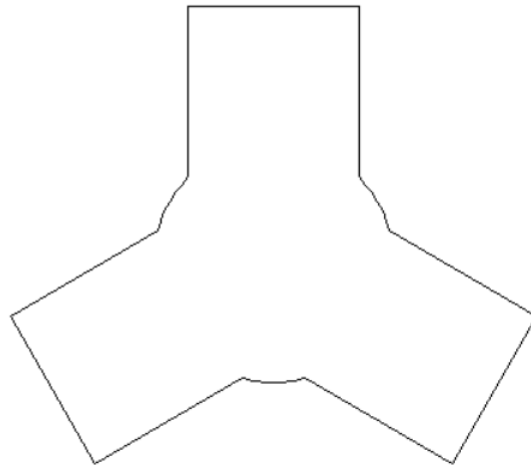
CS KOFFING 9 100 10

Slika 5.7



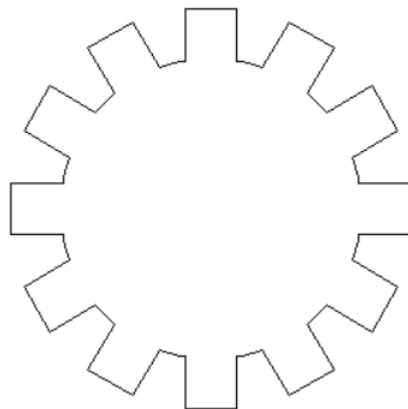
CS KOFFING 4 75 70

Slika 5.8



CS KOFFING 3 80 90

Slika 5.9

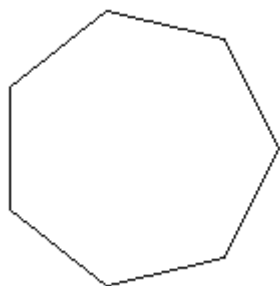


CS KOFFING 12 100 20

Slika 5.10

	Ulaz	Izlaz	Bodovi
Test 1	SHOW PLUSMINUS [+]	[+]	24
Test 2	SHOW PLUSMINUS [- - - -]	[- + - +]	24
Test 3	SHOW PLUSMINUS []	[]	24
Test 4	SHOW PLUSMINUS [+ - - + - + -]	[+ - + + - - +]	24
Test 5	SHOW PLUSMINUS [- - + + - + +]	[- + + + - - -]	24

	Primjer	Slika	Bodovi
Test 1	CS DITTO [1 [] 1 [] 1 [] 1 [] 1 [] 1 [] 1 [] 1 [] 1 [] 1 []]	Slika 7.1	14
Test 2	CS DITTO [1 [] 1 [] 0.3 [1 [] 1 [] 1 []]] 50	Slika 7.2	14
Test 3	CS DITTO [1 [] 1 [1 [] 1 []]] 1 [] 1 [1 [] 1 []] 1 [] 1 [] 1 [] 1 []] 30	Slika 7.3	14
Test 4	CS DITTO [1 [] 1 [1 [] 0.2 [1 [1 [] 1 [] 1 [] 1 []] 1 []]] 1 [] 1 []] 100	Slika 7.4	14
Test 5	CS DITTO [1 [] 1 [] 1 [] 1 [1 [] 1 [] 1 [] 1 [] 1 []] 1 [] 1 []] 1 [] 1 [1 [] 1 [] 1 [] 1 [] 1 [] 1 [] 1 []] [1 [] 1 [] 1 [] 1 []] 1 [] 1 []] 1 [] 1 []] 30	Slika 7.5	14
Test 6	CS DITTO [0.2 [1 [] 1 [] 1 [] 1 [] 1 []] 0.3 [1 [] 1 [] 1 []] 0.5 [1 [] 1 [] 1 [] 1 []] 1 [] 1 []] [1 [] 1 []] 0.5 [1 [] 1 [] 1 [] 1 []] 1 [] 1 []] [1 []] 0.2 [1 [] 1 [] 1 [] 1 []] 1 [] 1 []] 0.3 [1 [] 1 [] 1 []] 1 []] 0.3 [1 [] 1 [] 1 []] 1 []] [1 []] 150	Slika 7.6	14
Test 7	CS DITTO [1 [] 1 [] 1 [0.6 [1 [] 1 [0.8 [1 [] 1 [] 1 []] 1 []] 1 []] 1 [0.7 [1 [] 1 []] 1 []] 1 [0.3 [1 [] 1 []] 1 []] 1 []] 1 []] [1 []] 1 [0.4 [1 [] 1 []] 1 []] 1 [1 []] 1 []] 1 [0.5 [1 [] 1 [0.5 [1 [] 1 []] 1 []] 1 []] 1 []] 1 [0.3 [1 [] 1 []] 1 []] 1 []] 1 []] 82	Slika 7.7	14
Test 8	CS DITTO [1 [] 1 [] 1 [1 [] 0.7 [1 [1 [1 [] 1 [1 []] 1 []] 1 [1 []] 1 []] 1 [1 []] 1 [1 []] 1 []] 1 []] 1 [0.4 [1 []] 1 [0.7 [1 []] 1 [1 []] 1 [1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 45	Slika 7.8	14
Test 9	CS DITTO [1 [0.3 [1 [] 1 []] 1 [1 []] 1 [1 []] 1 [1 []] [0.8 [1 [0.2 [1 []] 1 [1 []] 1 [0.5 [1 []] 1 [1 []] 1 []] 1 [0.5 [1 []] 1 [1 []] 1 [0.2 [1 []] 1 [1 []] 1 []] 1 [0.3 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 1 [1 []] 100	Slika 7.9	14
Test 10	CS DITTO [1 [0.5 [1 []] 1 [1 []] 0.5 [1 []] 1 [1 []] 1 [0.5 [1 []] 1 [1 []] 0.5 [1 []] 1 [1 []] 1 [0.5 [1 []] 1 [1 []] 0.5 [1 []] 1 [1 []] 1 [0.5 [1 []] 1 [1 []] 0.5 [1 []] 1 [1 []] 1 [0.5 [1 []] 1 [1 []] 0.5 [1 []] 1 [1 []] 74	Slika 7.10	14



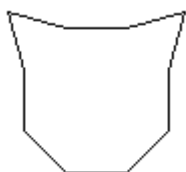
CS DITTO [1 [] 1 [] 1 [] 1 [] 1 [] 1 [] 1 []
 1 []] 61

Slika 7.1



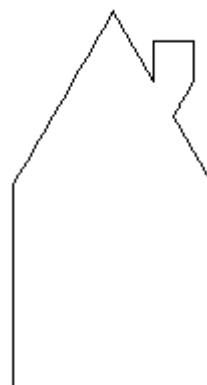
CS DITTO [1 [] 1 [] 0.3 [1 [] 1 [] 1
 []]] 50

Slika 7.2



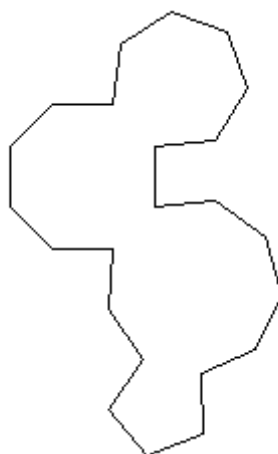
CS DITTO [1 [] 1 [1 [] 1 []] 1 [] 1 [1
 [] 1 []] 1 [] 1 [] 1 [] 1 []] 30

Slika 7.3



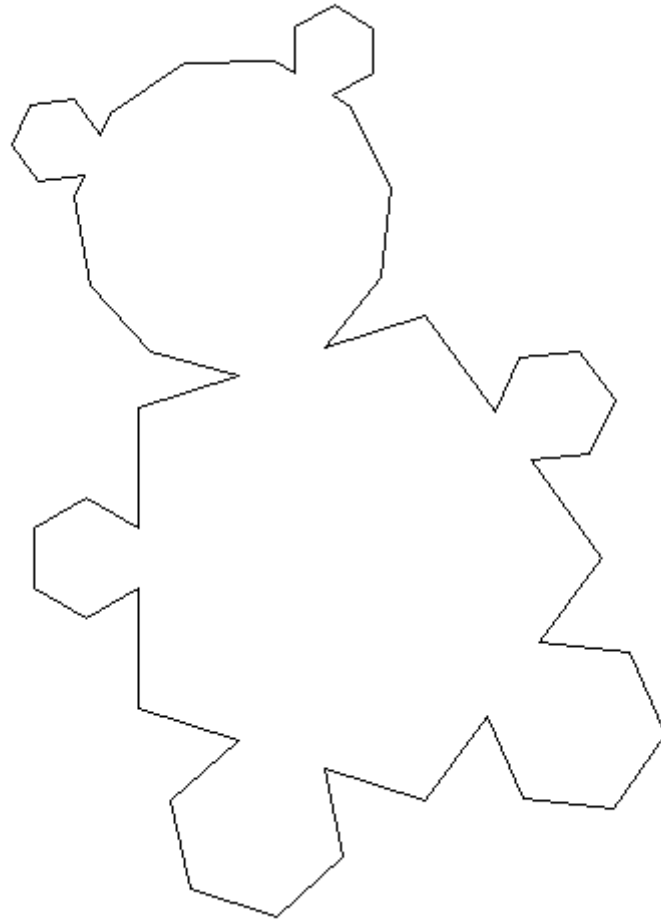
CS DITTO [1 [] 1 [1 [] 0.2 [1 [1 [] 1 []
 1 []] 1 []]] 1 [] 1 []] 100

Slika 7.4



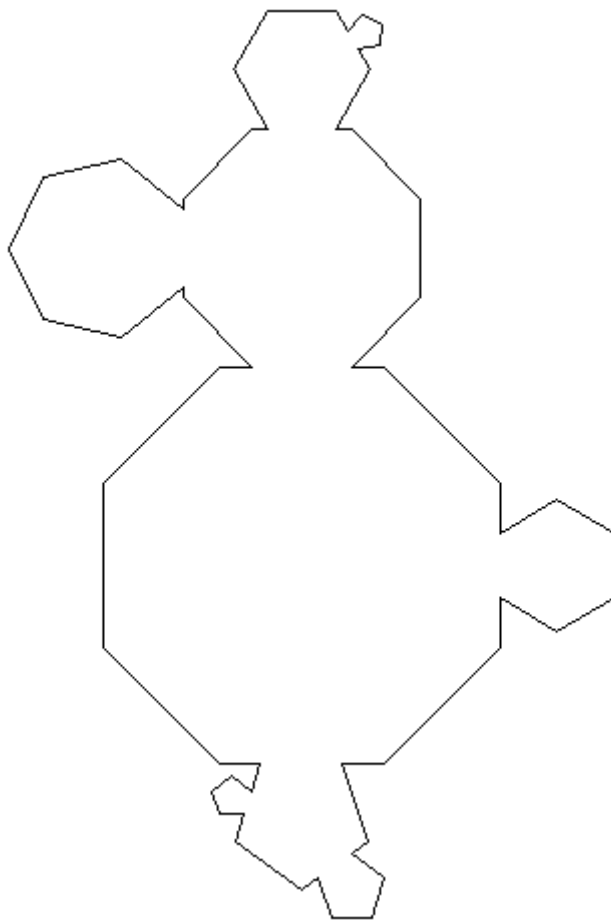
CS DITTO [1 [] 1 [] 1 [] 1 [1 [] 1 [] 1 [] 1 [] 1 [] 1 []] 1 [] 1 [1 [] 1
 [] 1 []] 1 [] 1 [1 [] 1 [] 1 [] 1 []] 1 [] 1 []] 1 [] 1 []] 30

Slika 7.5



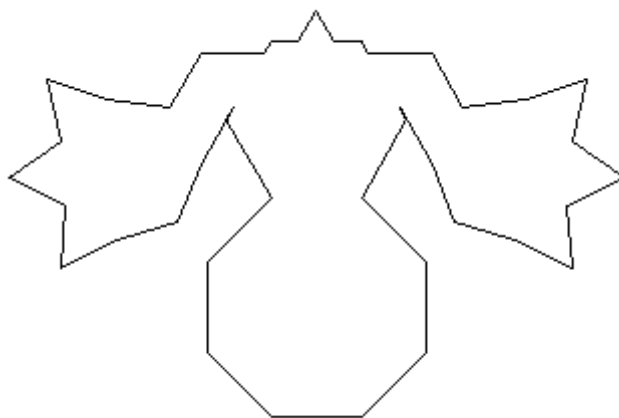
```
CS DITTO [0.2 [1 [] 1 [] 1 [] 1 [] 1 []] 0.3 [1 [] 1 [] 1 [] 0.5 [1 [] 1  
[] 1 [] 1 [] 1 []] 1 [] 1 [] 0.5 [1 [] 1 [] 1 [] 1 [] 1 []] 1 [] 1 [] 1  
[]] 0.2 [1 [] 1 [] 1 [] 1 [] 1 []] 0.3 [1 [] 1 [] 1 [] 1 [] 1 []] 0.3 [1  
[] 1 [] 1 [] 1 [] 1 []] 150
```

Slika 7.6



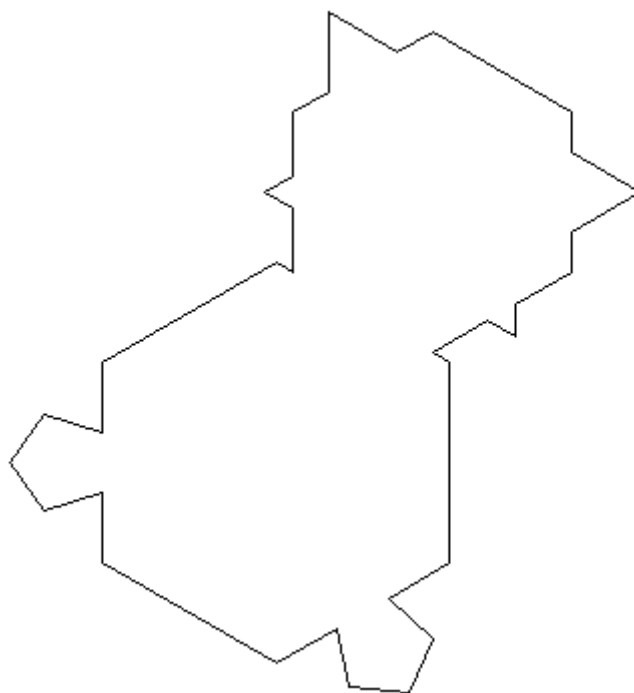
```
CS DITTO [1 [] 1 [] 1 [0.6 [1 [] 1 [0.8 [1 [] 1 [] 1 [] 1 [] 1 [] 1 []]]]
1 [] 1 [0.7 [1 [] 1 [] 1 [] 1 [0.3 [1 [] 1[] 1 [] 1 []]]] 1 []]] 1 [] 1 []
1 []]] 1 [] 1 [0.4 [1 [] 1 [] 1 [] 1[] 1[]]] 1 [] 1 [0.5 [1 [] 1 [0.5 [1
[] 1 [] 1 [] 1 []]]] 1 [] 1 [0.3 [1 [] 1 [] 1 [] 1 []]]]]] 1 []] 82
```

Slika 7.7



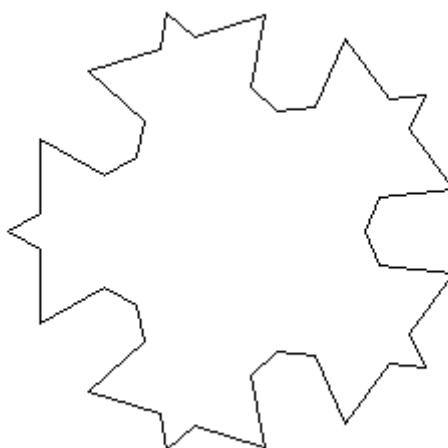
```
CS DITTO [1 [] 1 [] 1 [1 [] 0.7 [1 [1 [1 [] 1 [1 [] 1 [] 1 [1 [] 1 []]]]
1 [1 [] 1 []]] 1 [1 [] 1 []]] 1 []]] 1 []]] 1 []]] 0.4 [1 [] 1 []]] 0.7 [1 []
1 [1 [] 1 [1 [1 [] 1 [1 [] 1 []]] 1 [1 [] 1[]]] 1 [1 [] 1 []]] 1 [] 1 []]] 1
[]]]] 1 [] ] 1 [] 1 [] 1 [] 1 [] 1 []] 45
```

Slika 7.8



```
CS DITTO [1 [0.3 [1 [] 1 [] 1 [] 1 []]] 1 [] 1 [0.8 [1 [0.2 [1 [] 1 []]]]
1 [0.5 [1 [] 1 []]] 1 [] 1 [0.5 [1 [] 1 []]] 1 [0.2 [1 [] 1 []]]] 1 [] 1
[0.3 [1 [] 1 [] 1 [] 1 []]] 1 [] 100
```

Slika 7.9



```
CS DITTO [1 [0.5 [1 [] 1 []] 0.5 [1 [] 1 []]] 1 [0.5 [1 [] 1 []] 0.5 [1
[] 1 []]] 1 [0.5 [1 [] 1 []] 0.5 [1 [] 1 []]] 1 [0.5 [1 [] 1 []] 0.5 [1
[] 1 []]] 1 [0.5 [1 [] 1 []] 0.5 [1 [] 1 []]]] 74
```

Slika 7.10

	Ulaz	Izlaz	Bodovi
Test 1	HYPNO [7 10 13 15 19 24 26 27 28 35 51] 0.5 30 35	33 34	16
Test 2	HYPNO [6 13 16 19 20 21 32 37 39 40 41 45 48 53 57 58 61 62 64 67 71 72 76 79 84 87 88 90 92 97 98 112 116 118] 1.2 90 101	96	16
Test 3	HYPNO [2 3 9 11 13 15 16 18 26 28 33 48 50 51 59 60 64 81 83 89 97 98 112 119 121 123 128 131 146 147 148 150 155 157 164 177 182] 9 80 96	96	16
Test 4	HYPNO [0 1 4 5 6 12 14 21 23 30 31 34 35 60 61 64 66 83 87 92 99 108 109 110 116 117 118 126 134 135 138 142 143 151 152] 94 62 143	63	16
Test 5	HYPNO [0 13 15 17 22 23 27 31 39 44 46 48 56 65 71 76 82 92 94 101 107 110 115 121 124 130 135 140] 86 38 80	38	16
Test 6	HYPNO [5 7 9 10 30 35 36 48 50 57 58 61 65 69 76 83 92 101 102] 83.214 12 32	32	16
Test 7	HYPNO [4 18 20 22] 27.5 32 32	32	16
Test 8	HYPNO [0 1 7 10 24 28 30 40 41 43 46 53 57 68 75 80 86 93 95 97 99 100 106 111 119 132 135 137 145 158 170 181] 189 125 139	131	16
Test 9	HYPNO [0 8 14 18 29 33 66 90 94 102] 3 57 91	57 58 59 60 61 62 63 64 65 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89	16
Test 10	HYPNO [5 6 8 10] 2 11 17	16 17	16