



Školska razina 2024. / Osnovna škola (7. razred)   
Primjena algoritama OŠ

**19. siječnja 2024.**

**SLUŽBENI TESTNI PRIMJERI**

# Zadaci

U tablici možete pogledati obilježja zadataka:

|  |  |  |  |
| --- | --- | --- | --- |
| **Zadatak** | **EURO** | **Skijanje** | **2P** |
| **Vremensko ograničenje** | 5 sekundi | 5 sekundi | 5 sekundi |
| **Broj bodova** | **40** | **70** | **90** |
| **Ukupno bodova** | **200** | | |

NAPOMENE:

* *evaluacija se provodi na tradicionalni način ručnim upisivanjem test podataka;*
* *u pravilu se prilikom evaluacije ne gleda izvorni učenički kod već samo njegova izvršna (.exe) verzija;*
* *ako se pri izvršavanju programa, na nekom testnom primjeru dogodi pogreška, tada taj primjer nosi 0 bodova;*
* *rješenje se priznaje ako sadrži točnu traženu vrijednost bez obzira na dodatne poruke u upisu i ispisu (npr. „Unesi prirodan broj: “ ili „Traženo rješenje je..“);*

# Zadatak 7.1: EURO

40 bodova

Napomena: Točan ispis prvog retka vrijedi 1 bod, a točan ispis drugog retka 3 bodova za svaki testni primjer.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ulaz | Izlaz | Bodovi |  |  | Ulaz | Izlaz | | Bodovi |
| Test 1 | 1  1  1  1  1  1 | 9  3 3 3 | **1**  **+**  **3**  **---**  **4** |  | **Test 6** | 1  0  0  1  0  1 | 3  0 9 6 | | **1**  **+**  **3**  **---**  **4** |
| Test 2 | 0  0  0  0  0  0 | 0  6 6 6 | **1**  **+**  **3**  **---**  **4** |  | **Test 7** | 1  1  1  0  0  0 | 9  3 3 3 | | **1**  **+**  **3**  **---**  **4** |
| Test 3 | 1  0  1  0  1  0 | 6  6 0 6 | **1**  **+**  **3**  **---**  **4** |  | **Test 8** | 0  0  0  1  1  1 | 0  6 6 6 | | **1**  **+**  **3**  **---**  **4** |
| Test 4 | 0  1  0  1  0  1 | 3  3 9 3 | **1**  **+**  **3**  **---**  **4** |  | **Test 9** | 1  1  0  0  1  1 | 6  3 3 6 | | **1**  **+**  **3**  **---**  **4** |
| Test 5 | 1  0  1  1  0  1 | 6  0 6 6 | **1**  **+**  **3**  **---**  **4** |  | **Test 10** | 0  0  1  1  0  0 | 3  6 6 3 | | **1**  **+**  **3**  **---**  **4** |
| Ukupno bodova: | | | | | | | | **40** | |

# Zadatak 7.2: Skijanje

70 bodova

Napomena: Točan ispis prvog retka vrijedi 3 boda, a točan ispis drugog retka 4 boda za svaki testni primjer.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ulaz | Izlaz | Bodovi |  |  | Ulaz | Izlaz | | Bodovi |
| Test 1 | 2  00:16.00  00:44.00  00:21.00  00:09.00  2 | 1  2 | **3**  **+**  **4**  **---**  **7** |  | **Test 6** | 6  02:29.00  03:04.00  01:03.00  02:06.00  02:09.00  01:39.00  00:59.00  04:49.00  03:40.00  00:13.00  03:34.00  00:38.00  2 | 3  4 | | **3**  **+**  **4**  **---**  **7** |
| Test 2 | 3  02:27.71  01:25.42  01:08.37  01:11.08  01:12.47  01:51.14  3 | 2  1 | **3**  **+**  **4**  **---**  **7** |  | **Test 7** | 7  05:15.20  05:05.20  08:53.40  07:03.60  06:58.40  08:09.20  02:19.20  02:05.60  02:33.40  01:01.20  05:24.80  04:21.00  07:26.60  09:23.00  5 | 4  7 | | **3**  **+**  **4**  **---**  **7** |
| Test 3 | 3  02:58.87  49:14.14  46:01.42  43:53.29  55:09.25  20:32.50  2 | 1  2 | **3**  **+**  **4**  **---**  **7** |  | **Test 8** | 8  08:16.00  08:24.00  00:44.00  05:06.00  08:44.00  09:10.00  03:54.00  04:26.00  05:22.00  01:59.00  07:19.00  07:42.00  08:35.00  03:13.00  09:44.00  00:32.00  6 | 3  6 | | **3**  **+**  **4**  **---**  **7** |
| Test 4 | 5  01:02.00  00:47.00  00:24.00  01:48.00  01:22.00  00:56.00  00:33.00  00:01.00  00:44.00  00:03.00  4 | 3  5 | **3**  **+**  **4**  **---**  **7** |  | **Test 9** | 8  31:16.00  23:29.00  03:23.00  14:42.00  06:39.00  40:18.00  02:47.00  40:52.00  09:01.00  30:59.00  29:24.00  24:50.00  02:06.00  42:31.00  01:59.00  35:42.00  4 | 3  2 | | **3**  **+**  **4**  **---**  **7** |
| Test 5 | 5  01:11.80  01:01.00  01:54.20  00:37.30  01:27.20  01:53.70  01:06.00  01:01.50  01:47.80  01:04.10  3 | 4  5 | **3**  **+**  **4**  **---**  **7** |  | **Test 10** | 8  40:04.77  51:54.53  01:56.68  19:10.32  12:05.10  15:13.51  07:05.54  57:41.32  16:57.11  59:40.15  20:12.93  02:51.94  15:17.03  53:48.51  58:19.84  10:14.74  8 | 3  2 | | **3**  **+**  **4**  **---**  **7** |
| Ukupno bodova: | | | | | | | | **70** | |

# Zadatak 7.3: 2P

90 bodova

Napomena:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ulaz | Izlaz | Bodovi |  |  | Ulaz | Izlaz | | Bodovi |
| Test 1 | ab | 0 | **9** |  | **Test 6** | ppppppppppppppp | 7 | | **9** |
| Test 2 | aaa | 1 | **9** |  | **Test 7** | abcabcabcabcabc | 9 | | **9** |
| Test 3 | prw | 1 | **9** |  | **Test 8** | wifi | 1 | | **9** |
| Test 4 | informatika | 8 | **9** |  | **Test 9** | vicevi | 2 | | **9** |
| Test 5 | markomarkomarko | 11 | **9** |  | **Test 10** | abcdefghijklmno | 13 | | **9** |
| Ukupno bodova: | | | | | | | | **90** | |