

Zadatok "PARNO NEPARNI"

2 } PARNI ✓
6 }
4 }
5 } NEPARNI
3 }

2 } PARNI
6 } NEPARNI X
5 }
4 } PARNI
3 }

P = false MP = false
2 → P = true
6 → MP = true
3 → MP = true
5 → IF PARNI I NEPARNI ✓
4 → "ne"

PARNI = false
NEPARNI = false
2 → PARNI = true
4
6
7 → NEPARNI = true
8 → IF NEPARNI
→ "ne"

2
4
6
7 → NEPARNI = true
8
11
:

MP = true
5 ✓
7 ✓
3 ✓
2 P = true

8 IF NEPARNI
→ "ne"

"Suma niza brojeva"

2, 2·3 = 6, 6·3 = 18, 18·3 = 54
2, 6, 18, 54

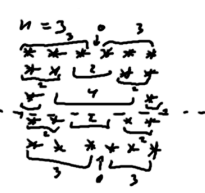
n = 4
a = 2
z = 3

$$2 + 2 \cdot 2 + 2 \cdot 2^2 + 2 \cdot 2^3 + \dots + 2 \cdot 2^{n-1}$$

broj = a
broj = a·2
broj = a·2·2

zbir = 0
broj = a
n = 4
while (n > 0)
zbir += broj
broj *= 2
n--;

"Cilim od zvezdica"



3* 0 P 3*
2* 2 P 2*
1* 4 P 1*
2* 2 P 2*
3* 0 P 3*
prva polje
druga polje
nakon prve polje:
broj - zvezdica = 0
broj - praznina = 2·n·r2

int a = 0
while (a < 4)
write(a)
a++
Pozadi 4
Pozadi

FOR(int a=0; a<24; a++)
write(a)
0
1
2
3

Dodatni zadatci

- unosi se n
- zbir n-1 brojeva, svi razliciti, svi ≤ n
6
4
5 → fali 6
1
2
3

1, 2, 3, 4, 5, 6, 7
n = 3

Primitimo:

22 niz 1, 2, 3, 4, 5 suma = 15
22 niz 1 3, 4, 5 suma = 13
22 niz 1, 2, 3, 5 suma = 11



treba sabrati sve
i odabrati to od
sume 1+2+3+...+n

Hoćemo da nađemo sumu:

$$1 + 2 + 3 + \dots + n$$

$$\frac{n(n+1)}{2}$$

$$1 + 2 + 3 + 4 + 5 + 6 = 21$$

$$1 + 2 + 3 + 4 + 5 + 6 + 7 = 28$$

Formula: $S_n = \frac{n \cdot (n+1)}{2}$

$$n = 5 \quad 1 + 2 + 3 + 4 + 5 = 15$$

$$\frac{n \cdot (n-1)}{2} = \frac{5 \cdot 4}{2} = 10 \quad 1 + 2 + 3 + 4 = 10$$

$$\frac{n \cdot (n+1)}{2} = 15$$

$$(n+1) \cdot \frac{n-1}{2} + \frac{n+1}{2}$$

$$= (n+1) \left(\frac{n-1}{2} + \frac{1}{2} \right)$$

$$= \frac{(n+1)n}{2}$$

Rešenje:

suma - uneti = 0
for (int i=0; i < n; i++)
int broj = konzola (read...)
suma - uneti += broj
int x = n·(n+1)/2 - suma - uneti