



Studentská liga 2020

20. týden (od 11. 4. 2020)

| | | Moje časy |
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Úlohy připravuje:
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email: info@sudokualogika.cz

FED-SUDOKU
stránky soutěže: <http://www.fed-sudoku.eu/student>

1. Klasické sudoku 6x6

Doplň čísla 1-6 do všech prázdných polí tabulky tak, aby se neopakovala v žádném řádku, sloupci ani oblasti 2x3.

| | | | | | |
|---|---|---|---|---|---|
| | | 2 | 6 | | |
| | 6 | | | 2 | |
| | 4 | | | 3 | |
| | 3 | | | 5 | |
| 3 | | | | | 1 |
| | | 4 | 3 | | |

2. Nepravidelné sudoku 6x6

Doplň čísla 1-6 do všech prázdných polí tabulky tak, aby se neopakovala v žádném řádku, sloupci ani tučně zvýrazněné oblasti.

| | | | | | |
|---|---|---|---|---|---|
| | 3 | | | 4 | |
| 2 | | 1 | 5 | | 4 |
| 4 | | | | | 6 |
| | | | | | |
| | 2 | | | 6 | |
| | | 3 | 1 | | |

3. Klasické sudoku 9x9

Doplň čísla 1-9 do všech prázdných polí tabulky tak, aby se neopakovala v žádném řádku, sloupci ani oblasti 3x3.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | | | 9 | | | 5 | | |
| | 1 | | 3 | 7 | 5 | | 9 | |
| | | 5 | | | | 3 | | 2 |
| 5 | 3 | | 2 | | 4 | | 6 | |
| | 8 | | | 6 | | | 3 | |
| | 4 | | 5 | | 3 | | 8 | 7 |
| 3 | | 8 | | | | 7 | | |
| | 7 | | 8 | 2 | 6 | | 5 | |
| | | 6 | | | 7 | | | 1 |

6. Klasické sudoku 9x9

Doplň čísla 1-9 do všech prázdných polí tabulky tak, aby se neopakovala v žádném řádku, sloupci ani oblasti 3x3.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | | | 6 | 3 | 8 | 5 | | |
| | 5 | | | | | 1 | 8 | 3 |
| | | 9 | | | 7 | | | |
| 4 | | | | 1 | | | | 5 |
| 3 | | | 8 | 9 | 5 | | 4 | |
| 2 | | 5 | | 7 | | | | 1 |
| 5 | 4 | | | | | | 1 | 8 |
| | 8 | | | 6 | | 3 | 7 | |
| | 6 | | 4 | | 3 | 2 | | |

7. Varianta 2 – Palindromy 9x9

Doplň čísla 1-9 do všech prázdných polí tabulky tak, aby se neopakovala v žádném řádku, sloupci ani oblasti 3x3. Sekvence čísel podél linií se čtou stejně z obou stran. (Např. 1254521.)

| | | | | | | | | |
|---|---|--|---|---|---|--|---|---|
| 1 | 9 | | | 8 | | | 2 | 3 |
| 8 | | | | | | | | 5 |
| | | | 3 | | 2 | | | |
| 5 | | | | 2 | | | | 7 |
| | 7 | | 4 | | 6 | | 3 | |
| 9 | | | | 5 | | | | 8 |
| | | | 2 | | 8 | | | |
| 3 | | | | | | | | 2 |
| 6 | 2 | | | 3 | | | 1 | 4 |

Řešení úloh

1. Klasické sudoku 6x6

| | | | | | |
|---|---|---|---|---|---|
| 4 | 5 | 2 | 6 | 1 | 3 |
| 1 | 6 | 3 | 4 | 2 | 5 |
| 2 | 4 | 5 | 1 | 3 | 6 |
| 6 | 3 | 1 | 2 | 5 | 4 |
| 3 | 2 | 6 | 5 | 4 | 1 |
| 5 | 1 | 4 | 3 | 6 | 2 |

3. Klasické sudoku 9x9

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | 6 | 3 | 9 | 4 | 2 | 5 | 1 | 8 |
| 8 | 1 | 2 | 3 | 7 | 5 | 6 | 9 | 4 |
| 4 | 9 | 5 | 6 | 1 | 8 | 3 | 7 | 2 |
| 5 | 3 | 7 | 2 | 8 | 4 | 1 | 6 | 9 |
| 2 | 8 | 9 | 7 | 6 | 1 | 4 | 3 | 5 |
| 6 | 4 | 1 | 5 | 9 | 3 | 2 | 8 | 7 |
| 3 | 2 | 8 | 1 | 5 | 9 | 7 | 4 | 6 |
| 1 | 7 | 4 | 8 | 2 | 6 | 9 | 5 | 3 |
| 9 | 5 | 6 | 4 | 3 | 7 | 8 | 2 | 1 |

2. Nepravidelné sudoku 6x6

| | | | | | |
|---|---|---|---|---|---|
| 5 | 3 | 6 | 2 | 4 | 1 |
| 2 | 6 | 1 | 5 | 3 | 4 |
| 4 | 1 | 2 | 3 | 5 | 6 |
| 3 | 5 | 4 | 6 | 1 | 2 |
| 1 | 2 | 5 | 4 | 6 | 3 |
| 6 | 4 | 3 | 1 | 2 | 5 |

4. Klasické sudoku 9x9

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 6 | 3 | 8 | 5 | 7 | 2 | 9 |
| 5 | 8 | 9 | 2 | 7 | 6 | 3 | 4 | 1 |
| 3 | 2 | 7 | 4 | 9 | 1 | 8 | 5 | 6 |
| 2 | 4 | 8 | 9 | 6 | 3 | 5 | 1 | 7 |
| 9 | 5 | 1 | 7 | 4 | 2 | 6 | 3 | 8 |
| 7 | 6 | 3 | 5 | 1 | 8 | 2 | 9 | 4 |
| 8 | 3 | 4 | 6 | 5 | 9 | 1 | 7 | 2 |
| 6 | 7 | 5 | 1 | 2 | 4 | 9 | 8 | 3 |
| 1 | 9 | 2 | 8 | 3 | 7 | 4 | 6 | 5 |

6. Klasické sudoku 9x9

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | 6 | 3 | 8 | 5 | 9 | 7 |
| 6 | 5 | 7 | 9 | 4 | 2 | 1 | 8 | 3 |
| 8 | 3 | 9 | 1 | 5 | 7 | 4 | 2 | 6 |
| 4 | 7 | 8 | 2 | 1 | 6 | 9 | 3 | 5 |
| 3 | 1 | 6 | 8 | 9 | 5 | 7 | 4 | 2 |
| 2 | 9 | 5 | 3 | 7 | 4 | 8 | 6 | 1 |
| 5 | 4 | 3 | 7 | 2 | 9 | 6 | 1 | 8 |
| 9 | 8 | 2 | 5 | 6 | 1 | 3 | 7 | 4 |
| 7 | 6 | 1 | 4 | 8 | 3 | 2 | 5 | 9 |

5. Varianta 1

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 2< | 3< | 6< | 5< | 8> | 1^ | 9> | 4< | 7^ |
| 9> | 8> | 7^ | 3< | 4< | 6^ | 2< | 5> | 1^ |
| 5> | 4> | 1^ | 7> | 2< | 9^ | 8> | 6> | 3^ |
| 4> | 1< | 2^ | 9> | 7> | 3^ | 6< | 8> | 5^ |
| 7> | 5> | 3^ | 4< | 6< | 8^ | 1< | 2< | 9^ |
| 6< | 9> | 8^ | 1< | 5> | 2^ | 3< | 7> | 4^ |
| 8> | 7< | 9^ | 2< | 3< | 5^ | 4> | 1< | 6^ |
| 1< | 6> | 4^ | 8< | 9> | 7^ | 5> | 3> | 2^ |
| 3> | 2< | 5^ | 6> | 1< | 4^ | 7< | 9> | 8^ |

7. Varianta 2

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 9 | 4 | 5 | 8 | 7 | 6 | 2 | 3 |
| 8 | 3 | 2 | 1 | 6 | 9 | 4 | 7 | 5 |
| 7 | 6 | 5 | 3 | 4 | 2 | 1 | 8 | 9 |
| 5 | 4 | 3 | 8 | 2 | 1 | 9 | 6 | 7 |
| 2 | 7 | 8 | 4 | 9 | 6 | 5 | 3 | 1 |
| 9 | 1 | 6 | 7 | 5 | 3 | 2 | 4 | 8 |
| 4 | 5 | 1 | 2 | 7 | 8 | 3 | 9 | 6 |
| 3 | 8 | 9 | 6 | 1 | 4 | 7 | 5 | 2 |
| 6 | 2 | 7 | 9 | 3 | 5 | 8 | 1 | 4 |