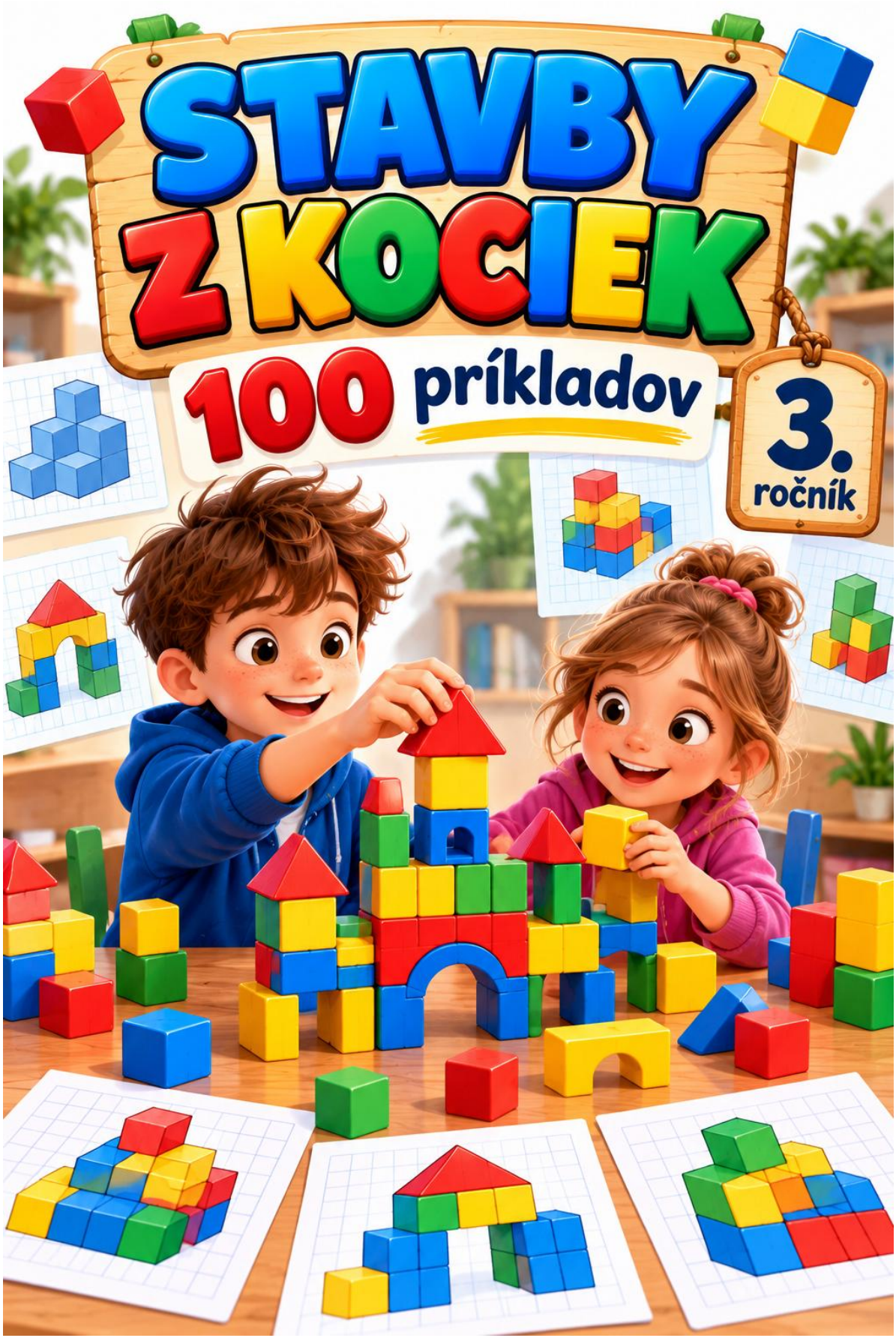
# POHĽADY NA STAVBY Z KOCIEK



## Ako sa pozeráme na stavbu?

• Zhora – pozeráme sa na stavbu ako vták z výšky. Vyfarbíme každé políčko, na ktorom stojí aspoň jedna kocka.

• Spredu – stojíme pred stavbou (pri šípke ▲ spredu). Vyfarbíme, aká vysoká je stavba v každom stĺpci zľava doprava.

• Sprava – stojíme vpravo od stavby (pri šípke ◄ sprava). V mriežke Sprava je vľavo predná časť stavby a vpravo zadná.

• Plán – do každého políčka zapíšeme, koľko kociek na ňom stojí na sebe.

## Vzor: takto vyzerá vyriešená úloha



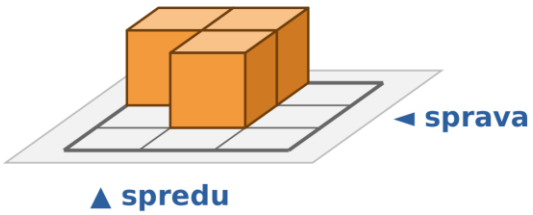

Stavba má 4 kocky: modrá veža z 2 kociek, vedľa nej červená kocka a za červenou kockou zelená. Zhora vidíme 3 obsadené políčka. Spredu je ľavý stĺpec vysoký 2 kocky a stredný stĺpec 1 kocku. Sprava je predná rada vysoká 2 kocky a rada za ňou 1 kocku.

**Tip:** Ak máš doma alebo v triede kocky, stavbu si najprv postav. Potom si k nej čupni a pozri sa na ňu naozaj spredu, sprava aj zhora.

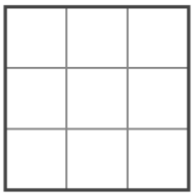
## ČASŤ A: Zo stavby nakresli tri pohľady

Pozri sa na stavbu. Vyfarbi v mriežkach, ako ju vidíš zhora, spredu a sprava.

**1. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

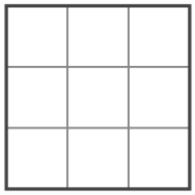



**Zhora**



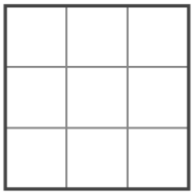
▲ spredu

**Spredu**



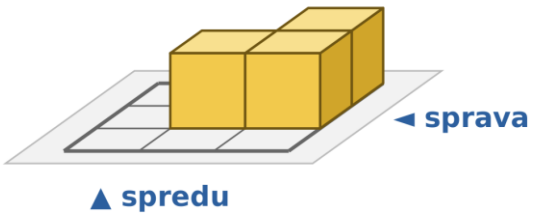
vľavo vpravo

**Sprava**

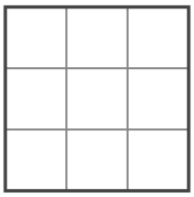


vpredu vzadu

**2. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

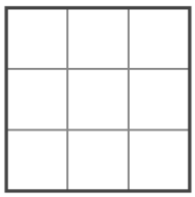



**Zhora**



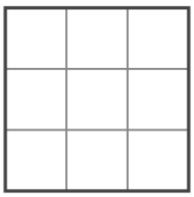
▲ spredu

**Spredu**



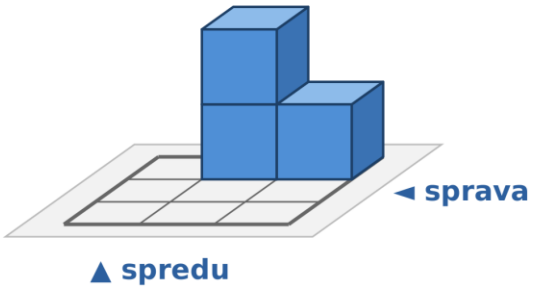
vľavo vpravo

**Sprava**

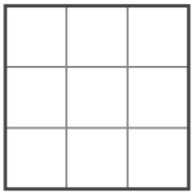


vpredu vzadu

**3. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

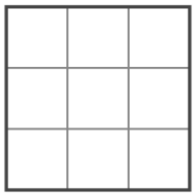



**Zhora**



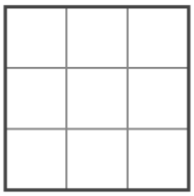
▲ spredu

**Spredu**



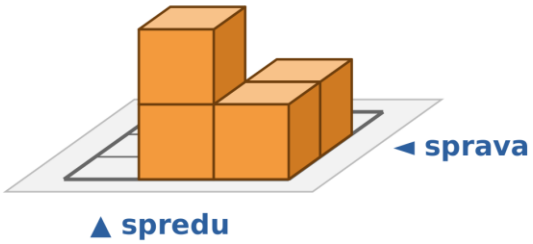
vľavo vpravo

**Sprava**

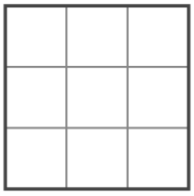


vpredu vzadu

**4. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

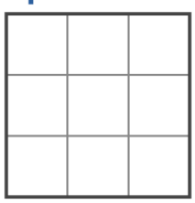



**Zhora**



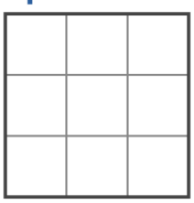
▲ spredu

**Spredu**



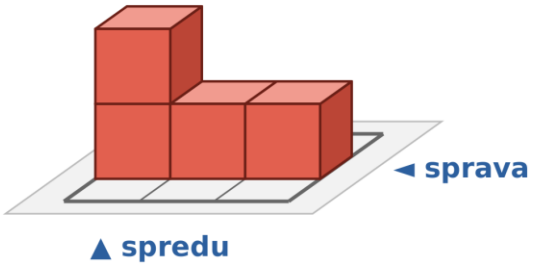
vľavo vpravo

**Sprava**

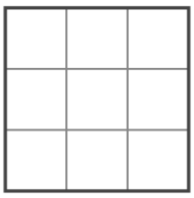


vpredu vzadu

**5. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

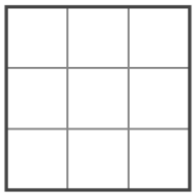



**Zhora**



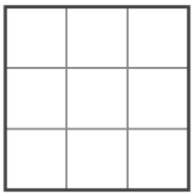
▲ spredu

**Spredu**



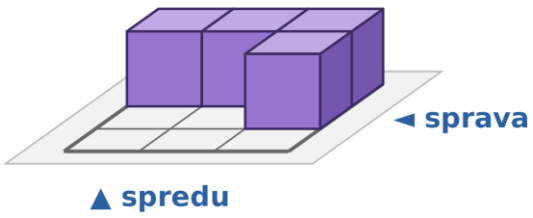
vľavo vpravo

**Sprava**

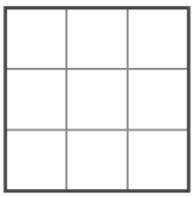


vpredu vzadu

**6. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

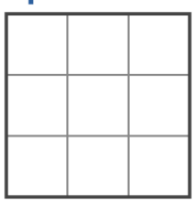



**Zhora**



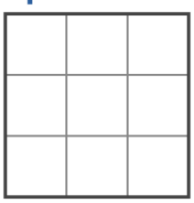
▲ spredu

**Spredu**



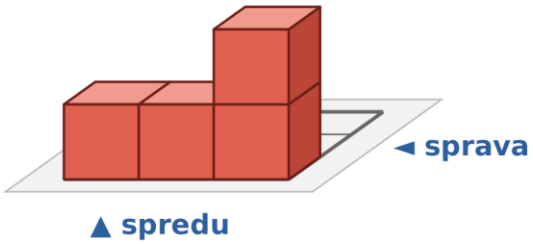
vľavo vpravo

**Sprava**

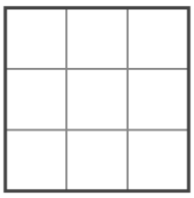


vpredu vzadu

**7. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

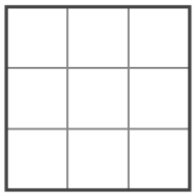



**Zhora**



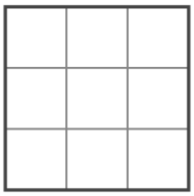
▲ spredu

**Spredu**



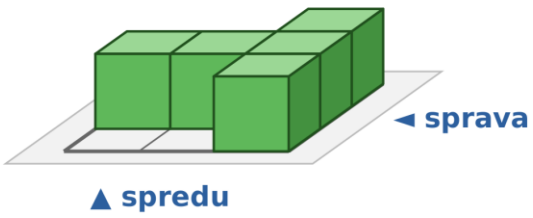
vľavo vpravo

**Sprava**

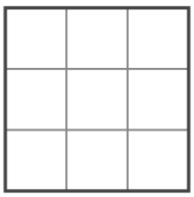


vpredu vzadu

**8. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

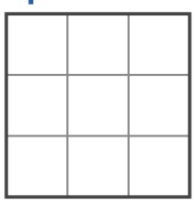



**Zhora**



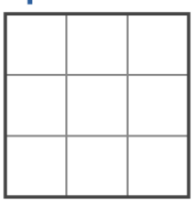
▲ spredu

**Spredu**



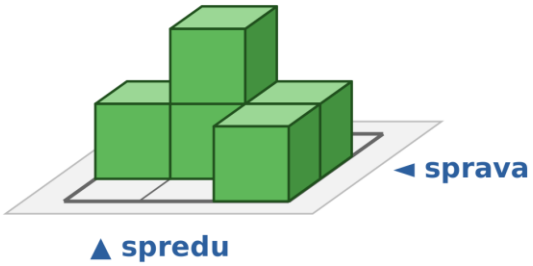
vľavo vpravo

**Sprava**

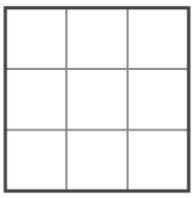


vpredu vzadu

**9. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

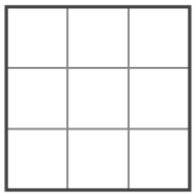



**Zhora**



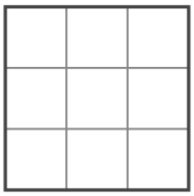
▲ spredu

**Spredu**



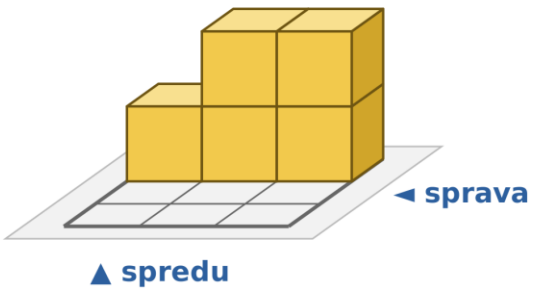
vľavo vpravo

**Sprava**

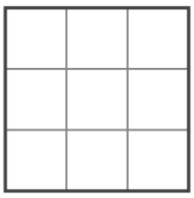


vpredu vzadu

**10. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

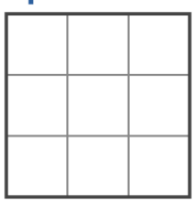



**Zhora**



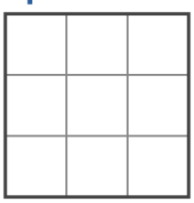
▲ spredu

**Spredu**



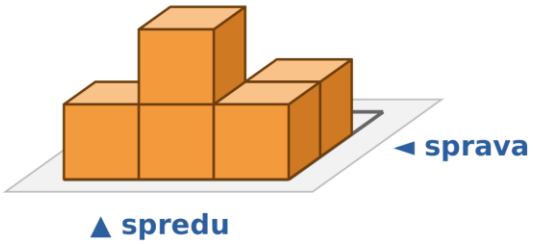
vľavo vpravo

**Sprava**

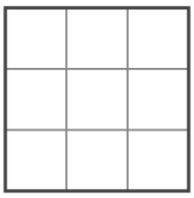


vpredu vzadu

**11. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

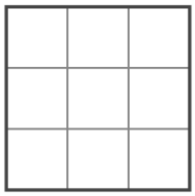



**Zhora**



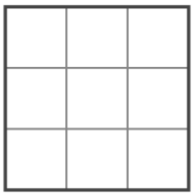
▲ spredu

**Spredu**



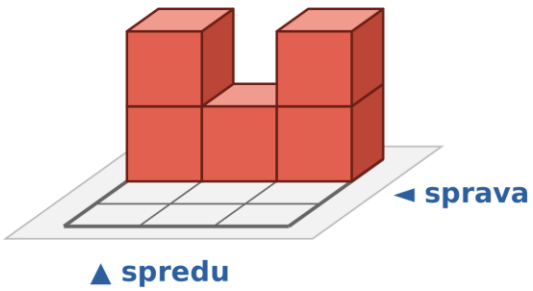
vľavo vpravo

**Sprava**

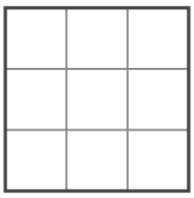


vpredu vzadu

**12. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

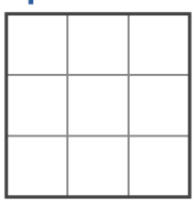



**Zhora**



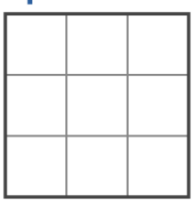
▲ spredu

**Spredu**



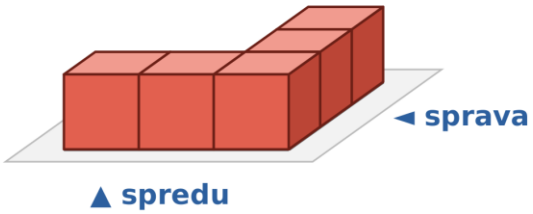
vľavo vpravo

**Sprava**

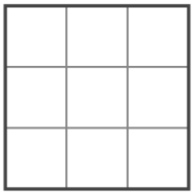


vpredu vzadu

**13. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

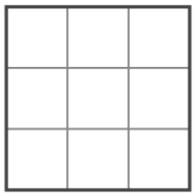



**Zhora**



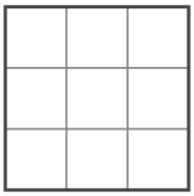
▲ spredu

**Spredu**



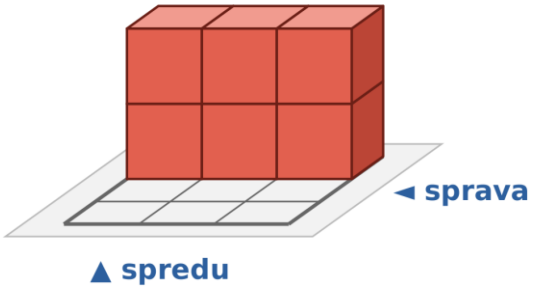
vľavo vpravo

**Sprava**

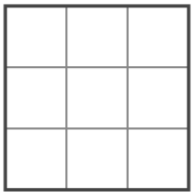


vpredu vzadu

**14. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

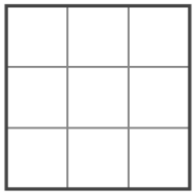



**Zhora**



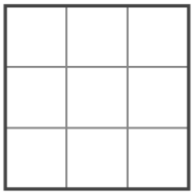
▲ spredu

**Spredu**



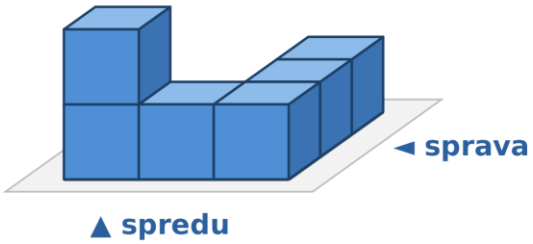
vľavo vpravo

**Sprava**

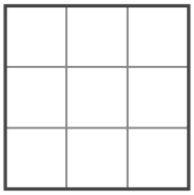


vpredu vzadu

**15. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.

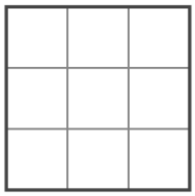



**Zhora**



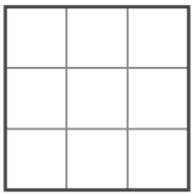
▲ spredu

**Spredu**



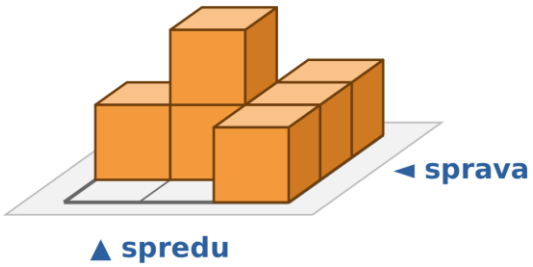
vľavo vpravo

**Sprava**

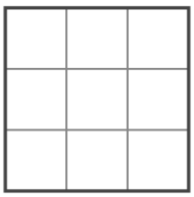


vpredu vzadu

**16. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

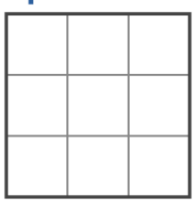



**Zhora**



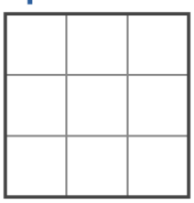
▲ spredu

**Spredu**



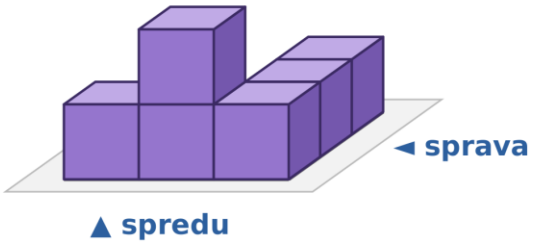
vľavo vpravo

**Sprava**

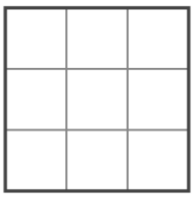


vpredu vzadu

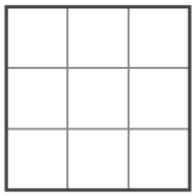
**17. úloha** ★☆☆ Vyfarbi pohľad zhora, spredu a sprava.



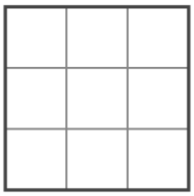

**Zhora**



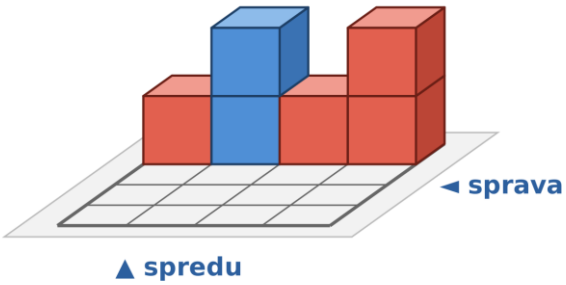

**Spredu**



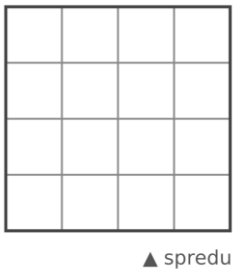

**Sprava**



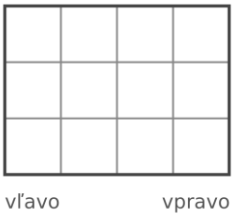

**18. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



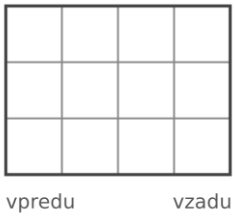

**Zhora**



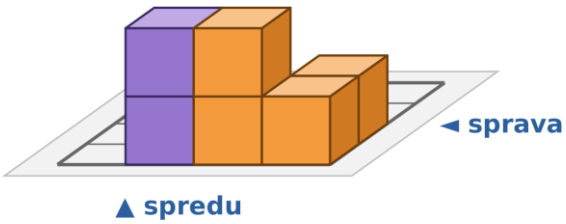

**Spredu**



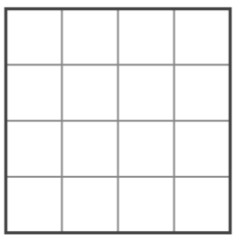

**Sprava**



**19. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

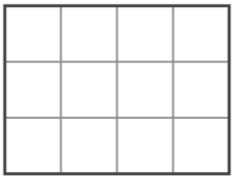



**Zhora**



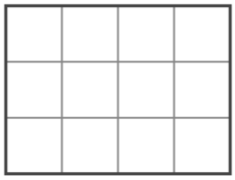
▲ spredu

**Spredu**



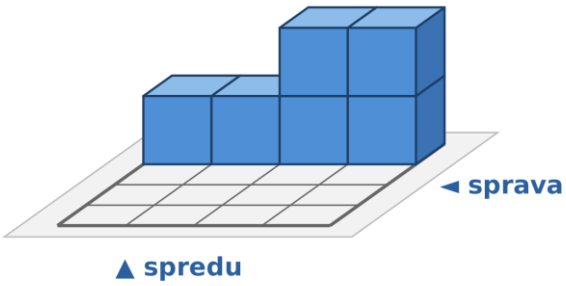
vľavo vpravo

**Sprava**

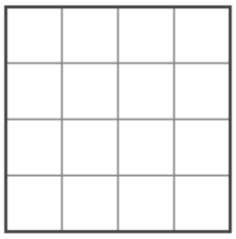


vpredu vzadu

**20. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

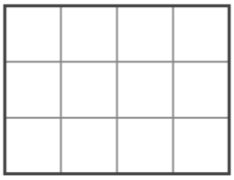



**Zhora**



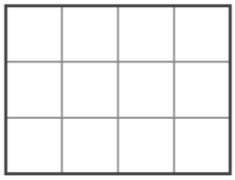
▲ spredu

**Spredu**



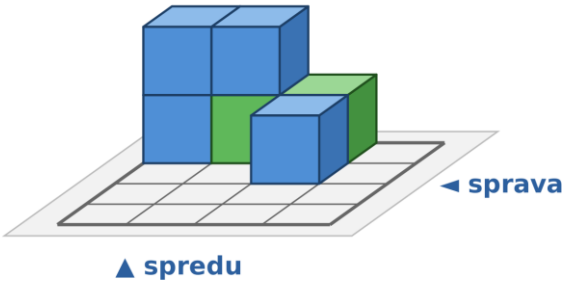
vľavo vpravo

**Sprava**

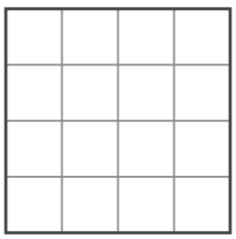


vpredu vzadu

**21. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

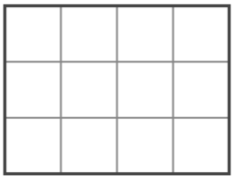



**Zhora**



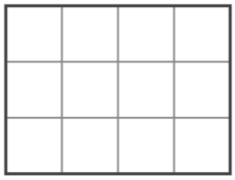
▲ spredu

**Spredu**



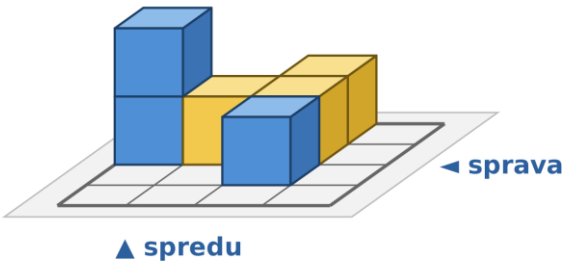
vľavo vpravo

**Sprava**

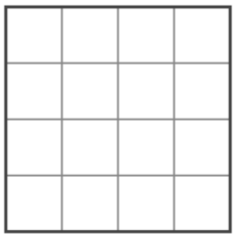


vpredu vzadu

**22. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

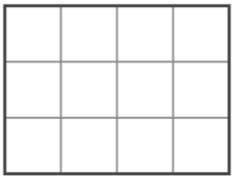



**Zhora**



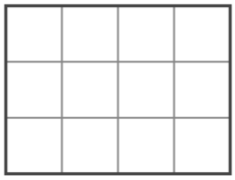
▲ spredu

**Spredu**



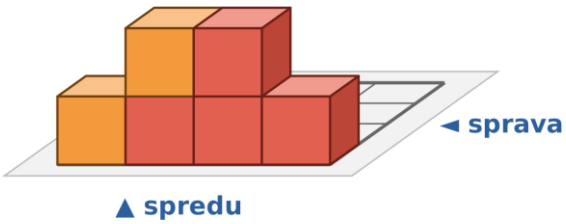
vľavo vpravo

**Sprava**

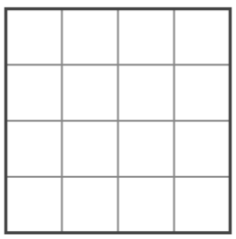


vpredu vzadu

**23. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

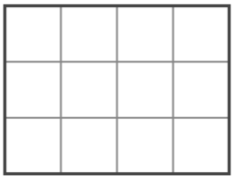



**Zhora**



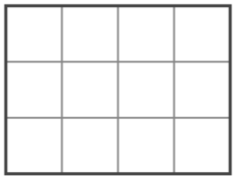
▲ spredu

**Spredu**



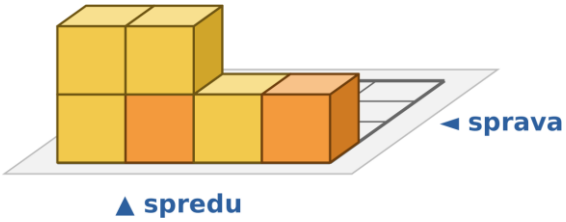
vľavo vpravo

**Sprava**

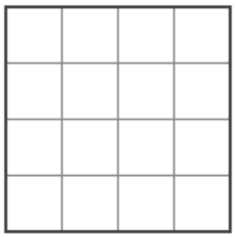


vpredu vzadu

**24. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

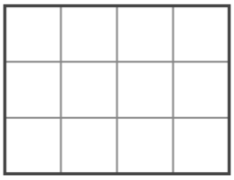



**Zhora**



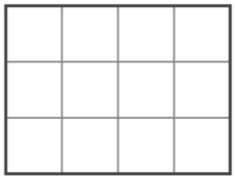
▲ spredu

**Spredu**



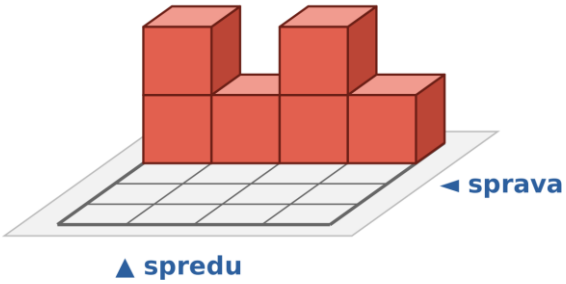
vľavo vpravo

**Sprava**

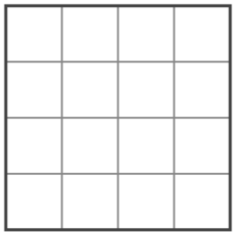


vpredu vzadu

**25. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

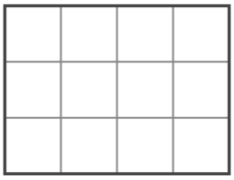



**Zhora**



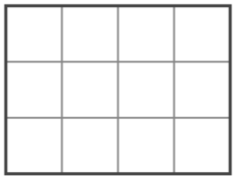
spredu

**Spredu**



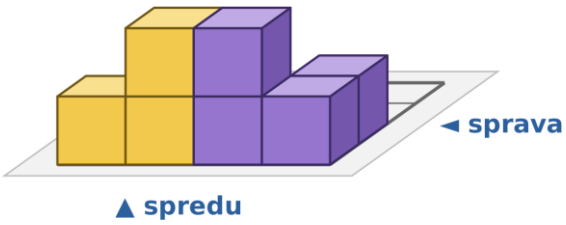
vľavo vpravo

**Sprava**

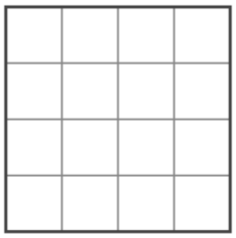


vpredu vzadu

**26. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

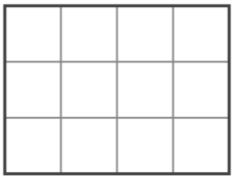



**Zhora**



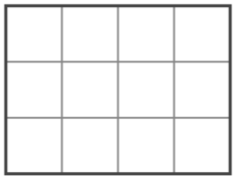
spredu

**Spredu**



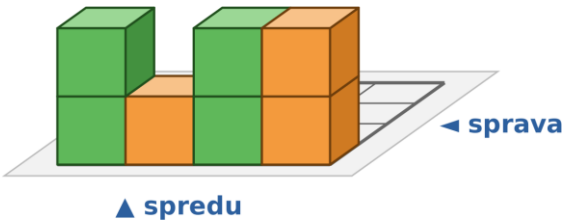
vľavo vpravo

**Sprava**

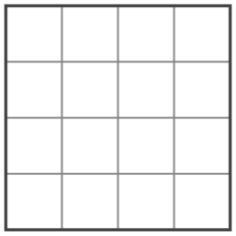


vpredu vzadu

**27. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

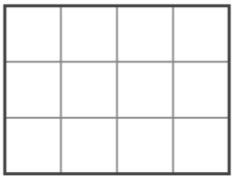



**Zhora**



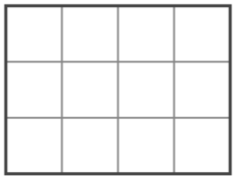
spredu

**Spredu**



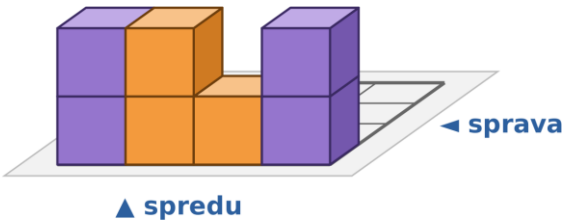
vľavo vpravo

**Sprava**

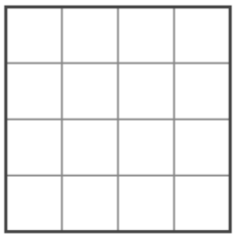


vpredu vzadu

**28. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

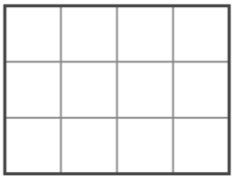



**Zhora**



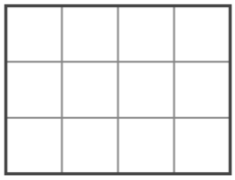
spredu

**Spredu**



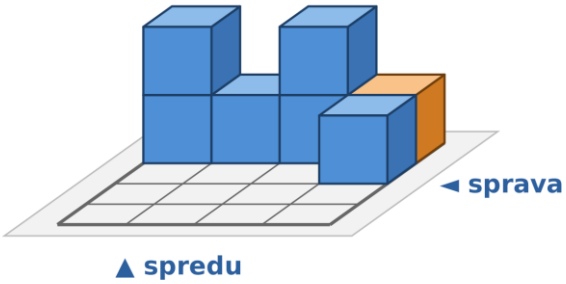
vľavo vpravo

**Sprava**

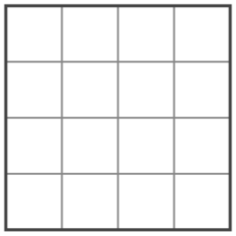


vpredu vzadu

**29. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

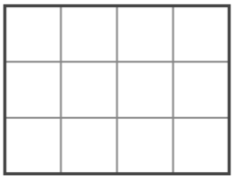



**Zhora**



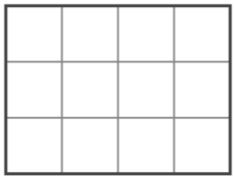
spredu

**Spredu**



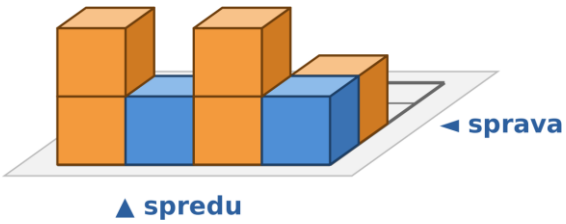
vľavo vpravo

**Sprava**

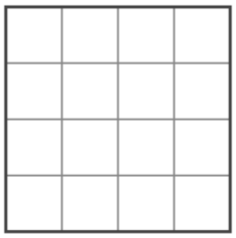


vpredu vzadu

**30. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

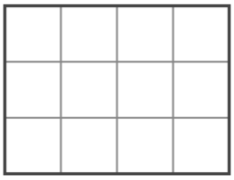



**Zhora**



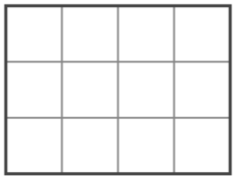
spredu

**Spredu**



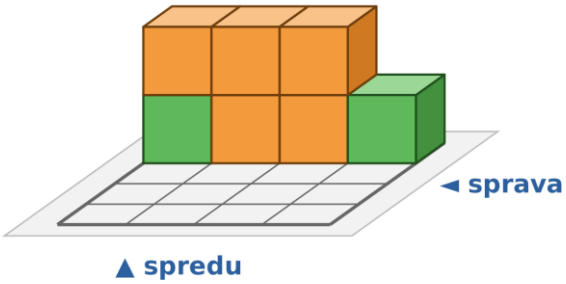
vľavo vpravo

**Sprava**

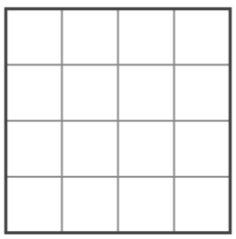


vpredu vzadu

**31. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

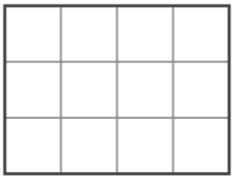



**Zhora**



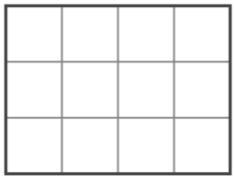
▲ spredu

**Spredu**



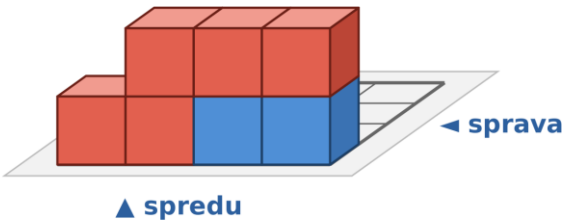
vľavo vpravo

**Sprava**

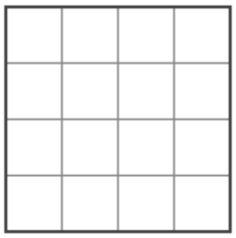


vpredu vzadu

**32. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

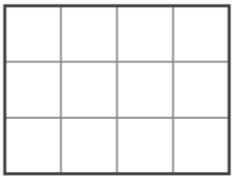



**Zhora**



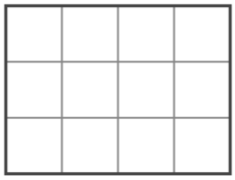
▲ spredu

**Spredu**



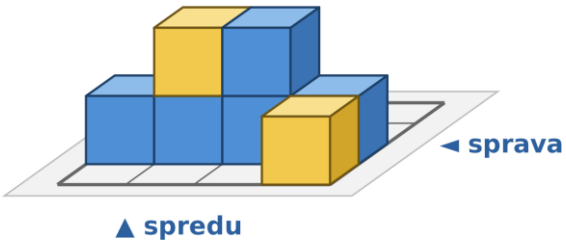
vľavo vpravo

**Sprava**

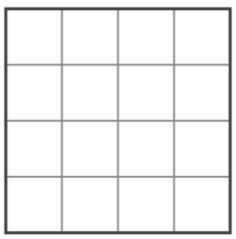


vpredu vzadu

**33. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava.

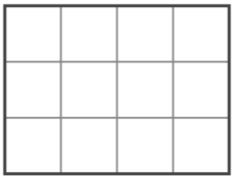



**Zhora**



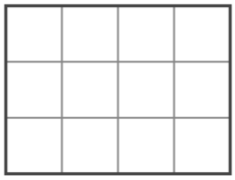
▲ spredu

**Spredu**



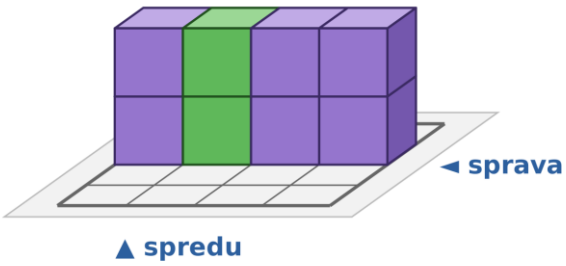
vľavo vpravo

**Sprava**

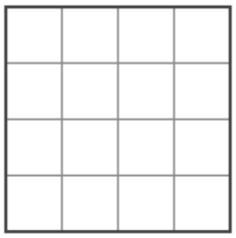


vpredu vzadu

**34. úloha** ★★☆ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

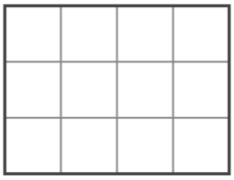



**Zhora**



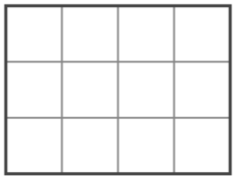
▲ spredu

**Spredu**



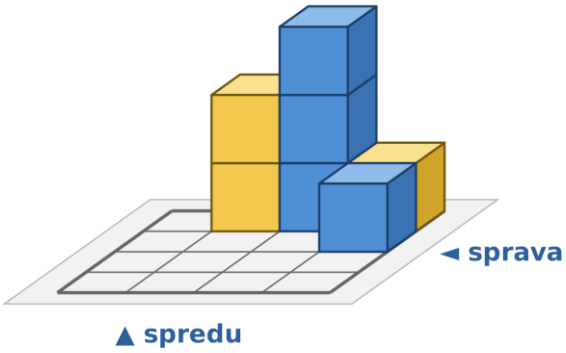
vľavo vpravo

**Sprava**

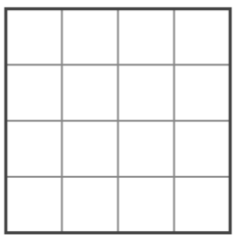


vpredu vzadu

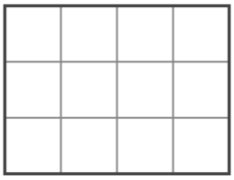
**35. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



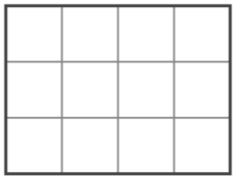

**Zhora**



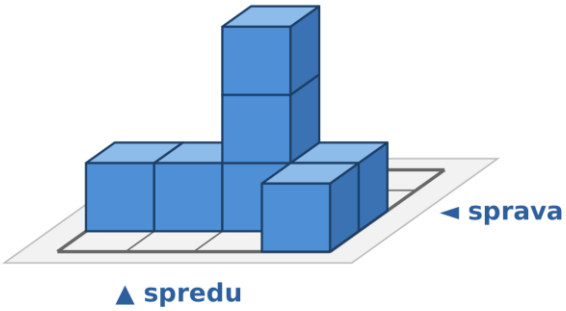

**Spredu**



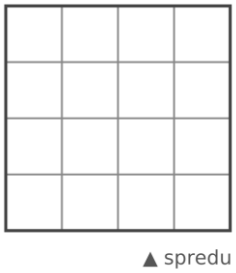

**Sprava**



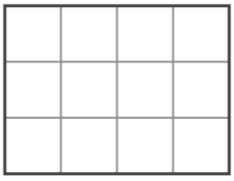

**36. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



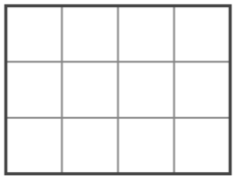

**Zhora**



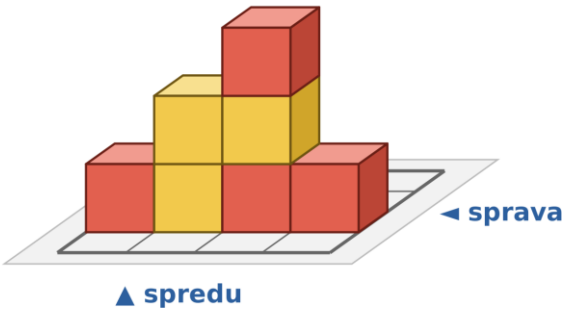

**Spredu**



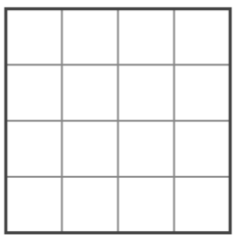

**Sprava**



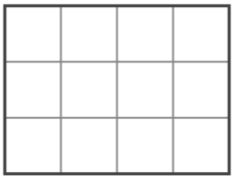
**37. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



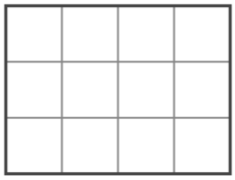

**Zhora**



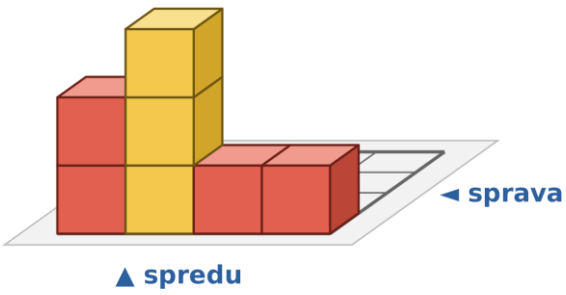

**Spredu**



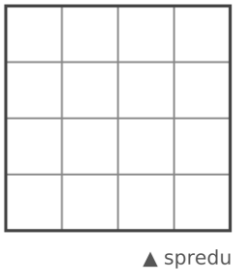

**Sprava**



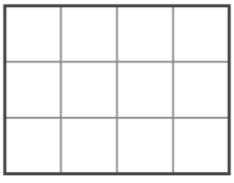

**38. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



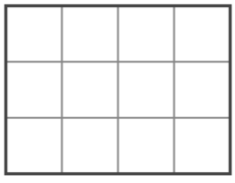

**Zhora**



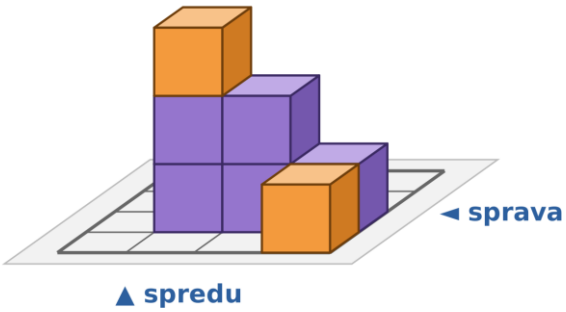

**Spredu**



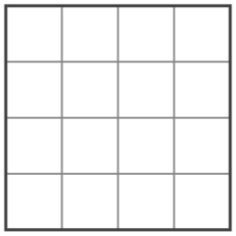

**Sprava**



**39. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.

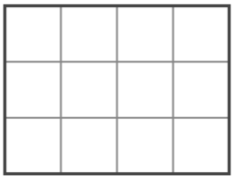



**Zhora**



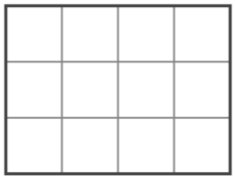
▲ spredu

**Spredu**



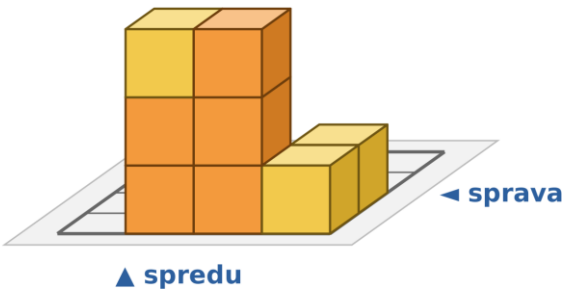
vľavo vpravo

**Sprava**

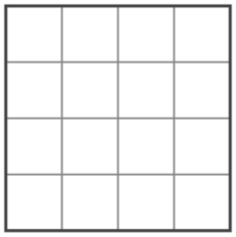


vpredu vzadu

**40. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....

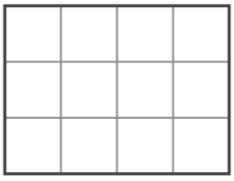



**Zhora**



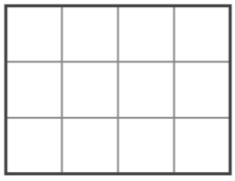
▲ spredu

**Spredu**



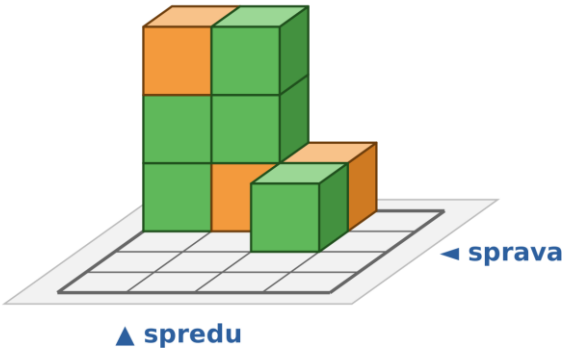
vľavo vpravo

**Sprava**

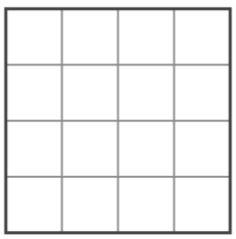


vpredu vzadu

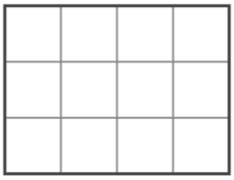
**41. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



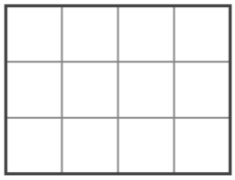

**Zhora**



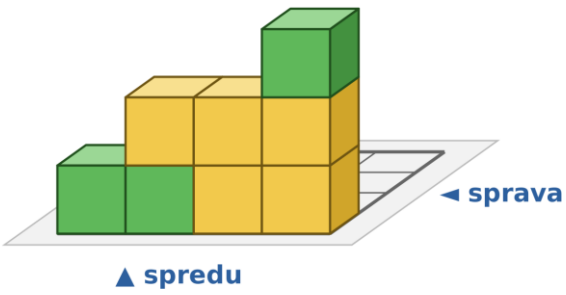

**Spredu**



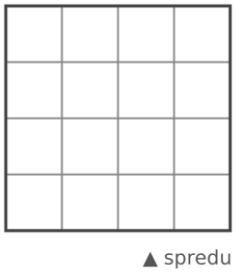

**Sprava**



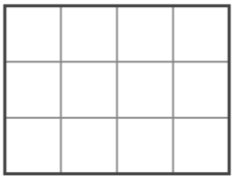

**42. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



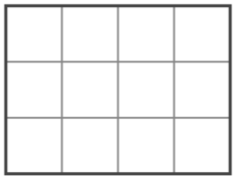

**Zhora**



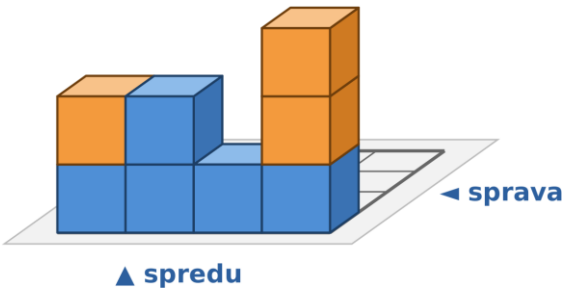

**Spredu**



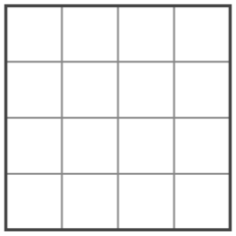

**Sprava**



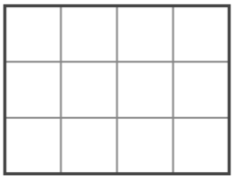
**43. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



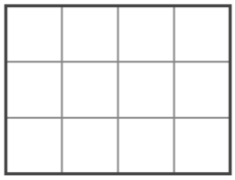

**Zhora**



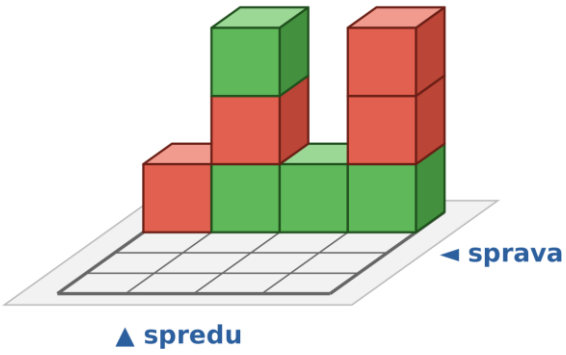

**Spredu**



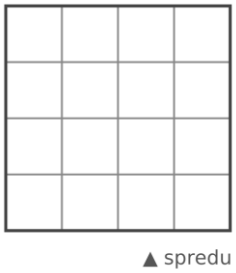

**Sprava**



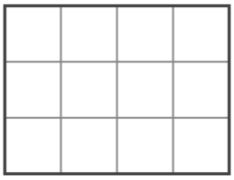

**44. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



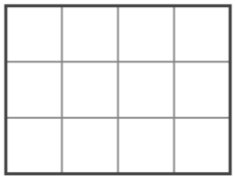

**Zhora**



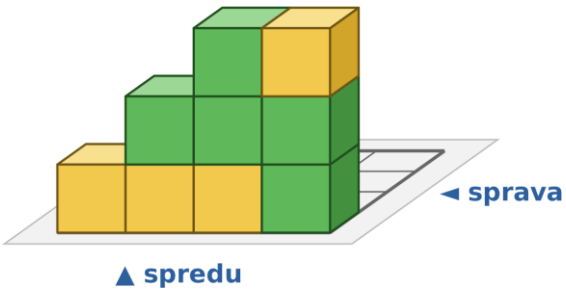

**Spredu**



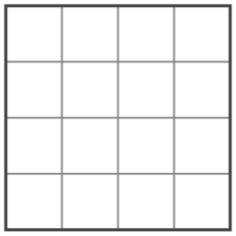

**Sprava**



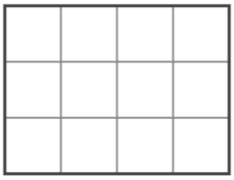
**45. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



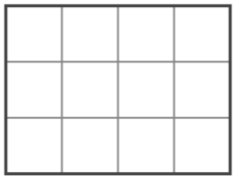

**Zhora**



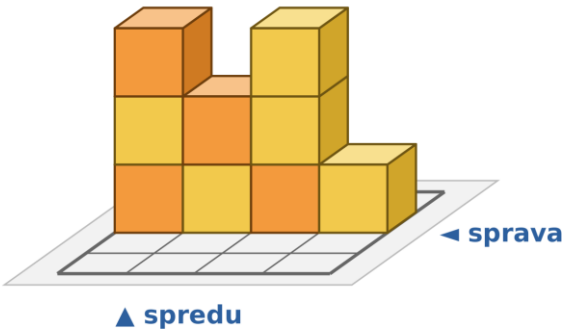

**Spredu**



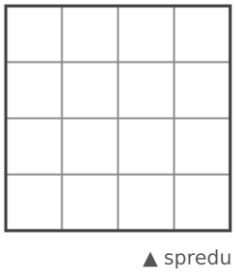

**Sprava**



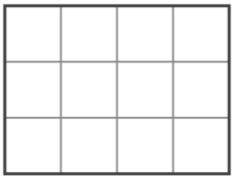

**46. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



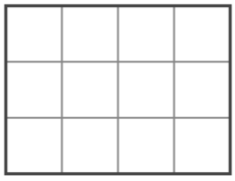

**Zhora**



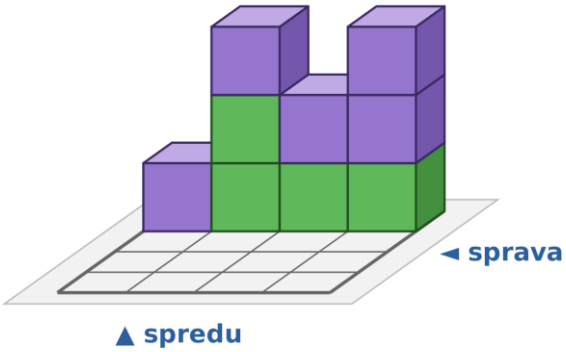

**Spredu**



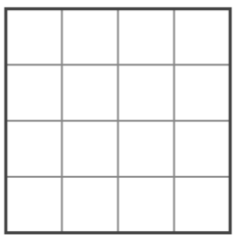

**Sprava**



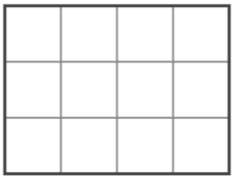
**47. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



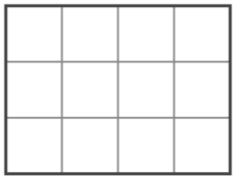

**Zhora**



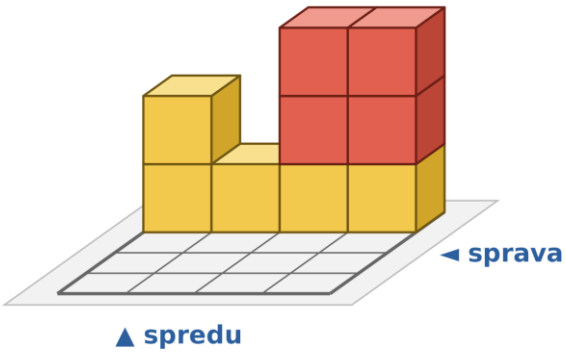

**Spredu**



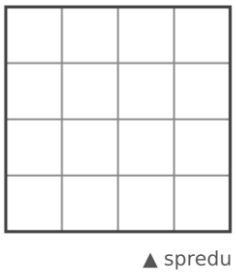

**Sprava**



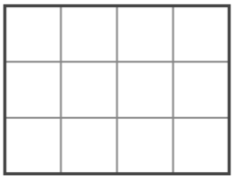

**48. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



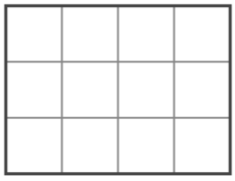

**Zhora**



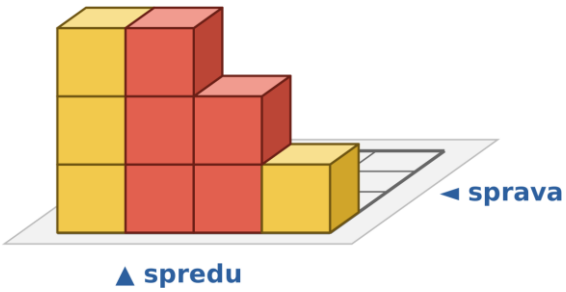

**Spredu**



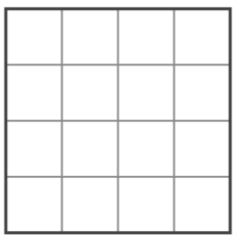

**Sprava**



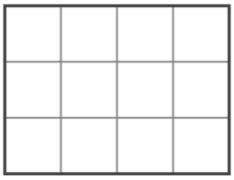
**49. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava.



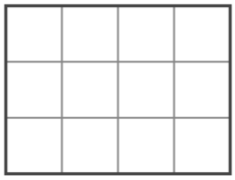

**Zhora**



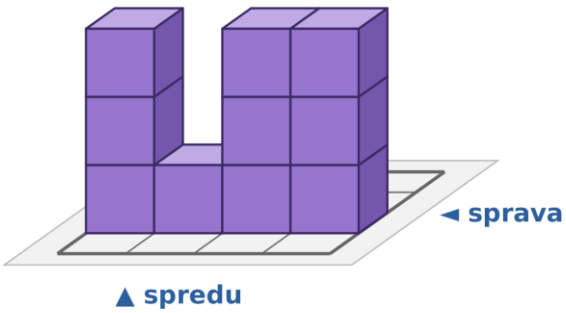

**Spredu**



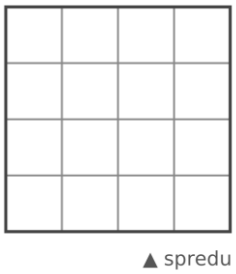

**Sprava**



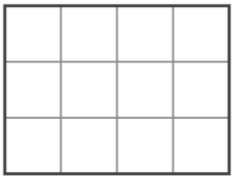

**50. úloha** ★★★ Vyfarbi pohľad zhora, spredu a sprava. Koľko kociek má stavba? .....



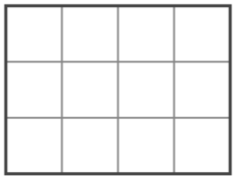

**Zhora**




**Spredu**




**Sprava**

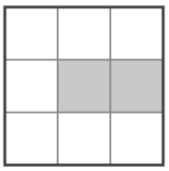


## ČASŤ B: Z troch pohľadov postav stavbu

Pozri sa na pohľady zhora, spredu a sprava. Do plánu zapíš, koľko kociek stojí na každom políčku. Potom stavbu nakresli na podložku alebo ju postav z kociek.

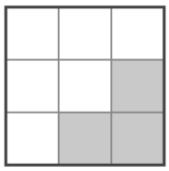
**51. úloha** ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



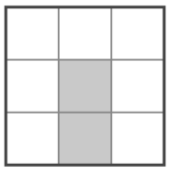
▲ spredu

**Spredu**



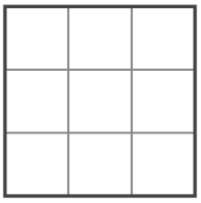
vľavo vpravo

**Sprava**

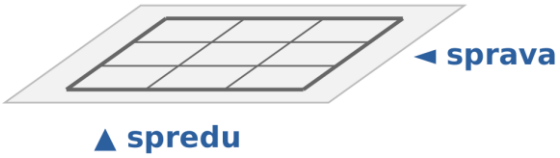


vpredu vzadu

**Plán**

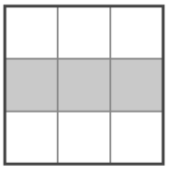


▲ spredu



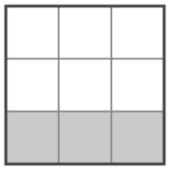
**52. úloha** ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



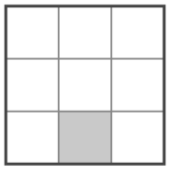
▲ spredu

**Spredu**



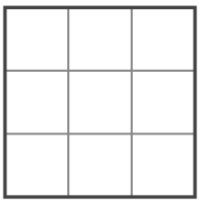
vľavo vpravo

**Sprava**

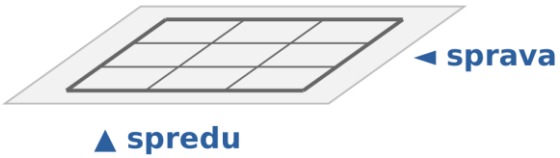


vpredu vzadu

**Plán**

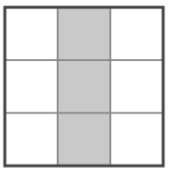


▲ spredu



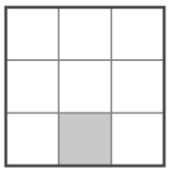

**53. úloha** ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



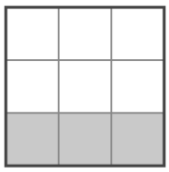
▲ spredu

**Spredu**



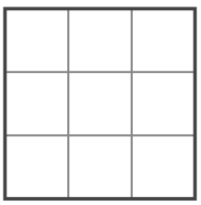
vľavo vpravo

**Sprava**

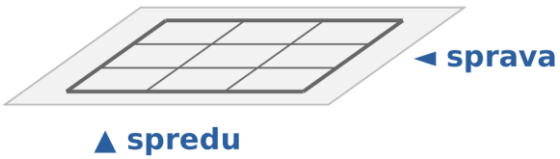


vpredu vzadu

**Plán**

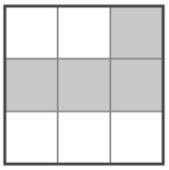


▲ spredu



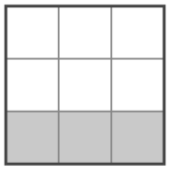
## 54. úloha ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



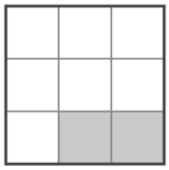
▲ spredu

**Spredu**



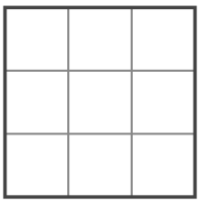
vľavo vpravo

**Sprava**

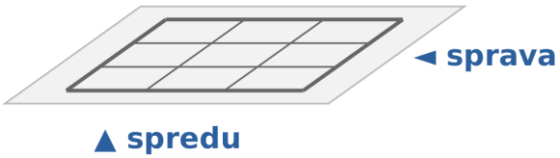


vpredu vzadu

**Plán**

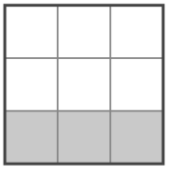


▲ spredu



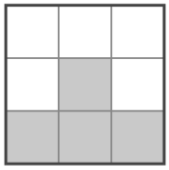

## 55. úloha ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



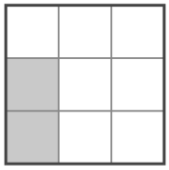
▲ spredu

**Spredu**



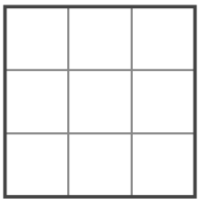
vľavo vpravo

**Sprava**

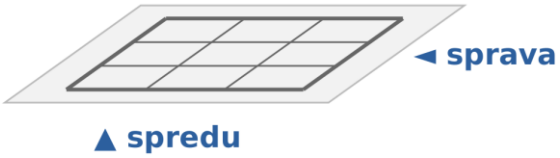


vpredu vzadu

**Plán**

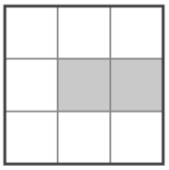


▲ spredu



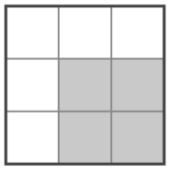
**56. úloha** ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



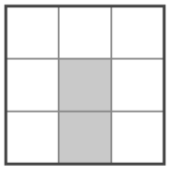
▲ spredu

**Spredu**



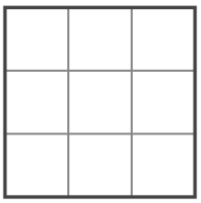
vľavo vpravo

**Sprava**

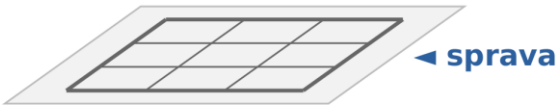


vpredu vzadu

**Plán**

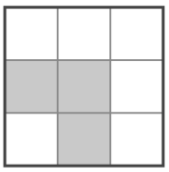


▲ spredu



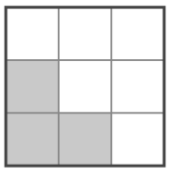

**57. úloha** ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



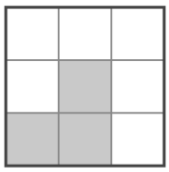
▲ spredu

**Spredu**



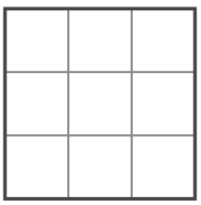
vľavo vpravo

**Sprava**

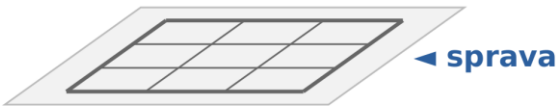


vpredu vzadu

**Plán**

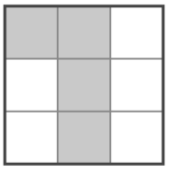


▲ spredu



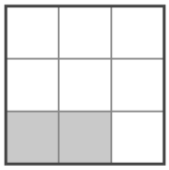
## 58. úloha ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



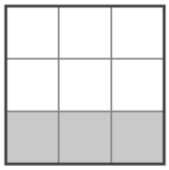
▲ spredu

**Spredu**



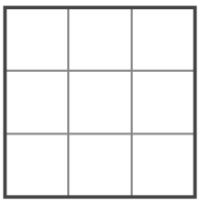
vľavo vpravo

**Sprava**

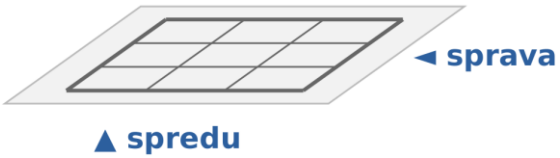


vpredu vzadu

**Plán**

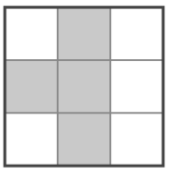


▲ spredu



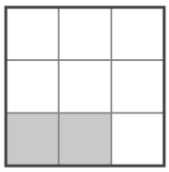

## 59. úloha ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



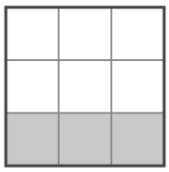
▲ spredu

**Spredu**



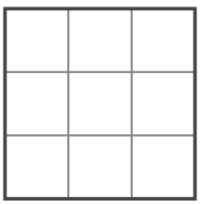
vľavo vpravo

**Sprava**

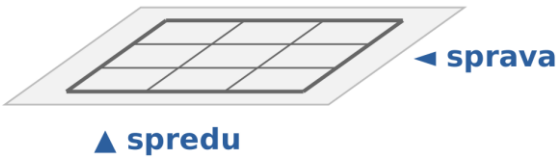


vpredu vzadu

**Plán**

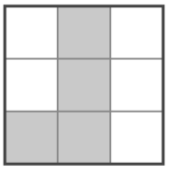


▲ spredu

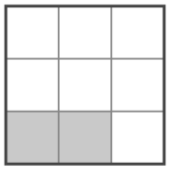


## 60. úloha ★☆☆ Zapíš plán a nakresli stavbu.

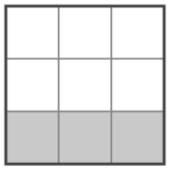
**Zhora**



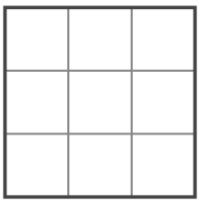

**Spredu**

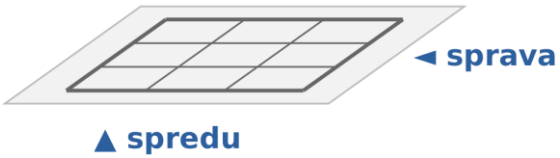



**Sprava**



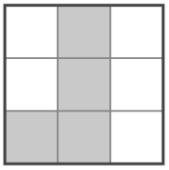

**Plán**



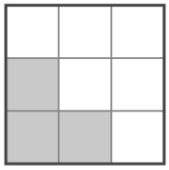




## 61. úloha ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

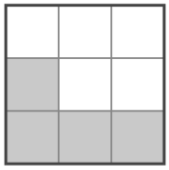
**Zhora**



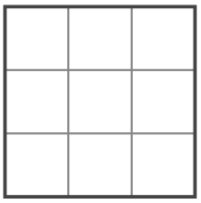

**Spredu**

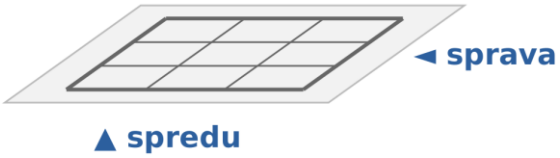



**Sprava**



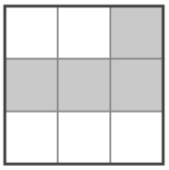

**Plán**



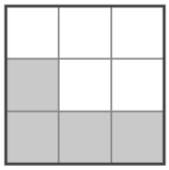
## 62. úloha ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



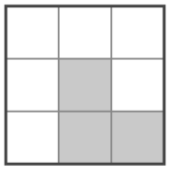
▲ spredu

**Spredu**



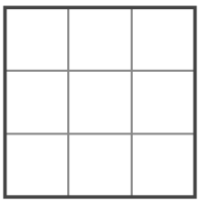
vľavo vpravo

**Sprava**

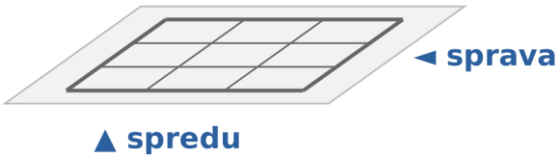


vpredu vzadu

**Plán**

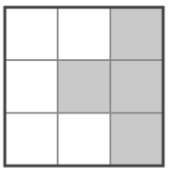


▲ spredu



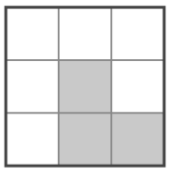

## 63. úloha ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



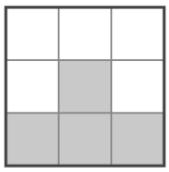
▲ spredu

**Spredu**



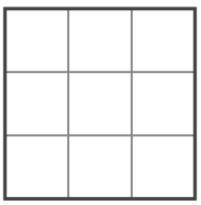
vľavo vpravo

**Sprava**

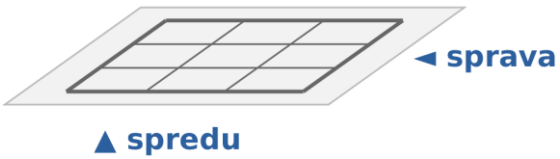


vpredu vzadu

**Plán**

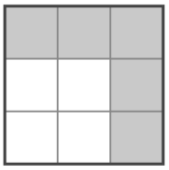


▲ spredu



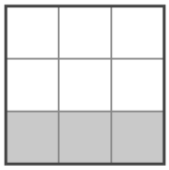
## 64. úloha ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



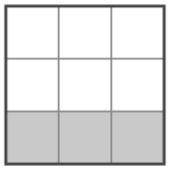
▲ spredu

**Spredu**



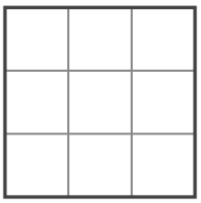
vľavo vpravo

**Sprava**

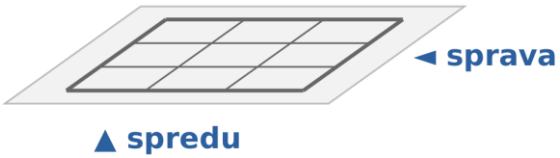


vpredu vzadu

**Plán**

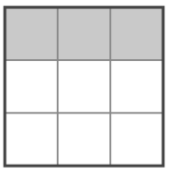


▲ spredu



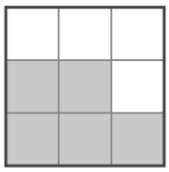

## 65. úloha ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



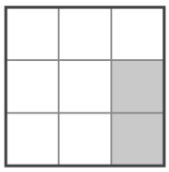
▲ spredu

**Spredu**



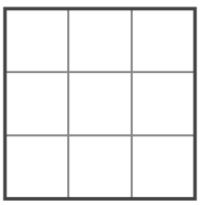
vľavo vpravo

**Sprava**

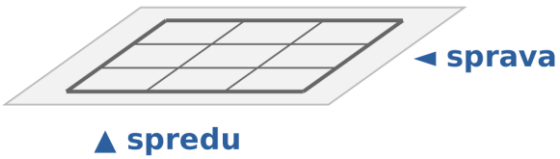


vpredu vzadu

**Plán**

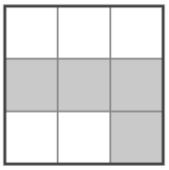


▲ spredu



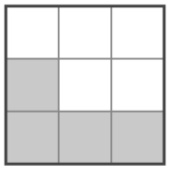
## 66. úloha ★☆☆ Zapíš plán a nakresli stavbu.

**Zhora**



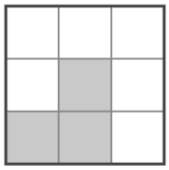
▲ spredu

**Spredu**



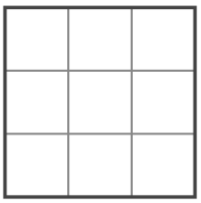
vľavo vpravo

**Sprava**

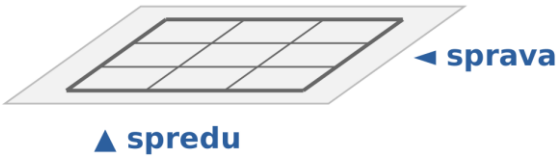


vpredu vzadu

**Plán**

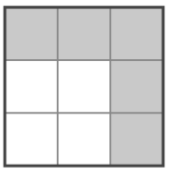


▲ spredu



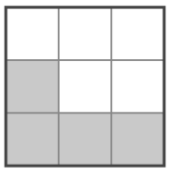

## 67. úloha ★☆☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



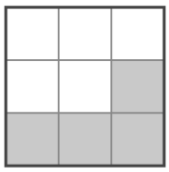
▲ spredu

**Spredu**



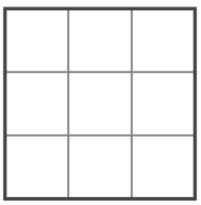
vľavo vpravo

**Sprava**

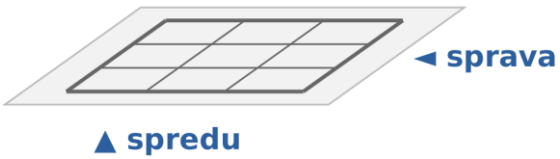


vpredu vzadu

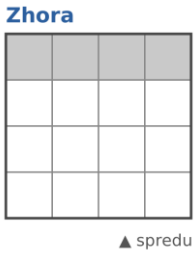
**Plán**



▲ spredu



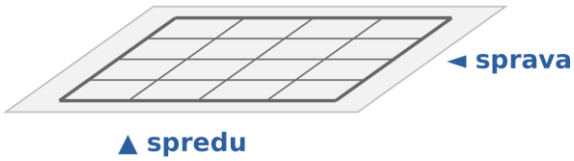
## 68. úloha ★★☆ Zapíš plán a nakresli stavbu.

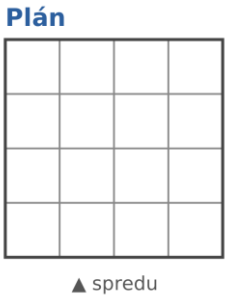




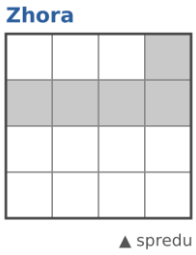




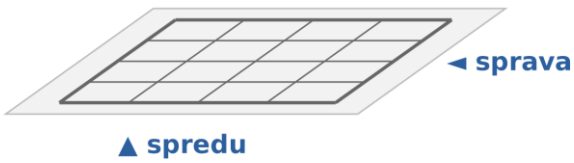

## 69. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

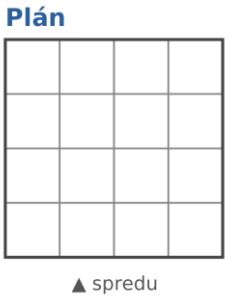






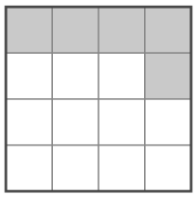


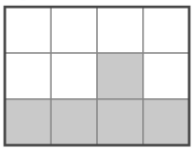
## 70. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



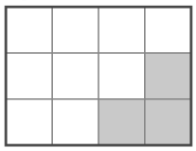
▲ spredu

**Spredu**

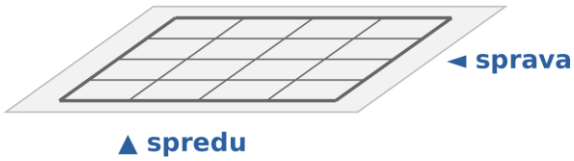


vľavo vpravo

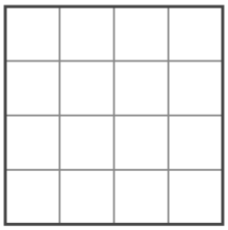
**Sprava**



vpredu vzadu



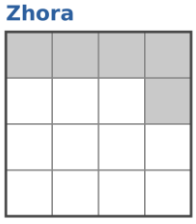

**Plán**



▲ spredu

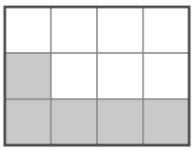
## 71. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



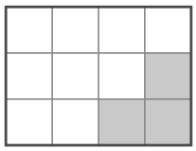
▲ spredu

**Spredu**

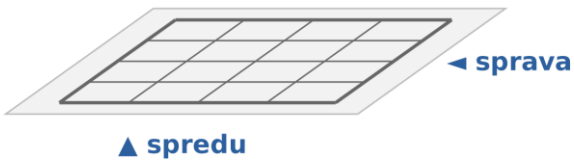


vľavo vpravo

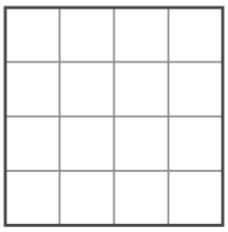
**Sprava**



vpredu vzadu



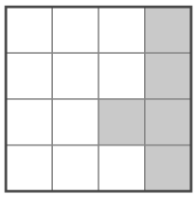

**Plán**



▲ spredu

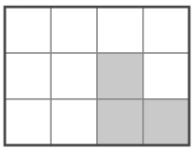
## 72. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



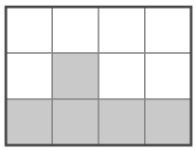
▲ spredu

**Spredu**

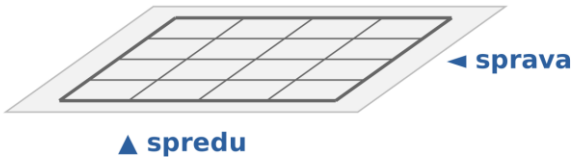


vľavo vpravo

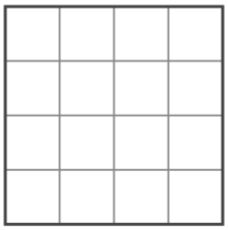
**Sprava**



vpredu vzadu



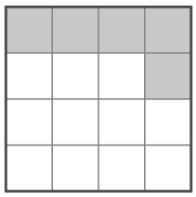

**Plán**



▲ spredu

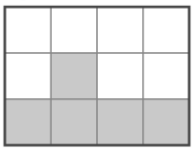
## 73. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



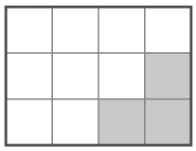
▲ spredu

**Spredu**

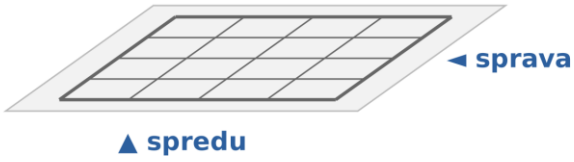


vľavo vpravo

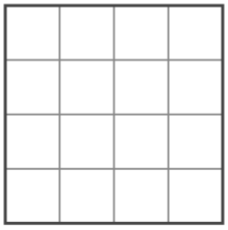
**Sprava**



vpredu vzadu



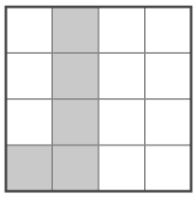

**Plán**



▲ spredu

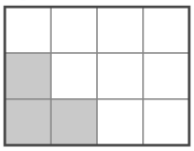
## 74. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



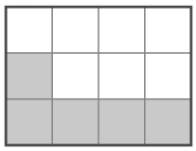
▲ spredu

**Spredu**

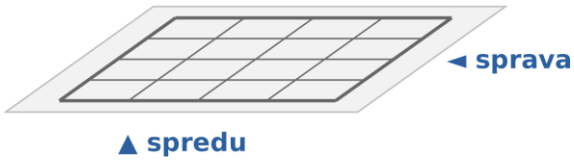


vľavo vpravo

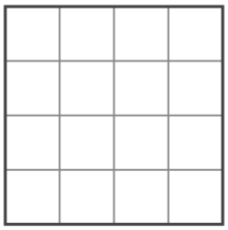
**Sprava**



vpredu vzadu



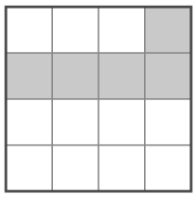

**Plán**



▲ spredu

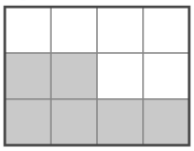
## 75. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



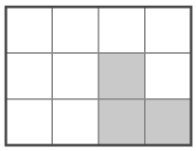
▲ spredu

**Spredu**

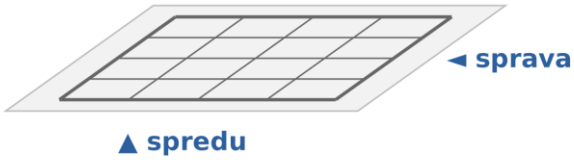


vľavo vpravo

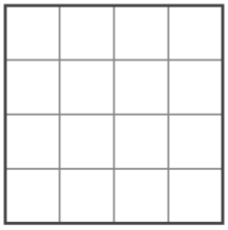
**Sprava**



vpredu vzadu



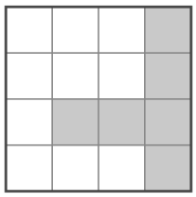

**Plán**



▲ spredu

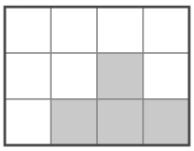
## 76. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



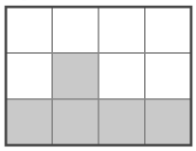
▲ spredu

**Spredu**

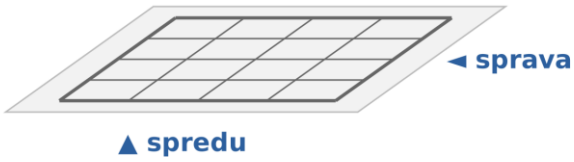


vľavo vpravo

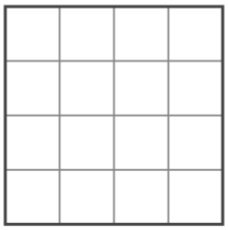
**Sprava**



vpredu vzadu



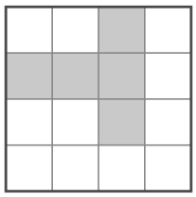

**Plán**



▲ spredu

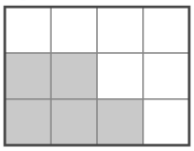
## 77. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



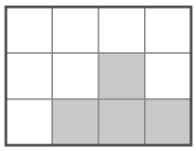
▲ spredu

**Spredu**

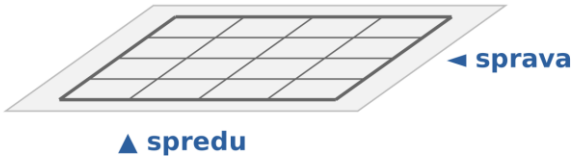


vľavo vpravo

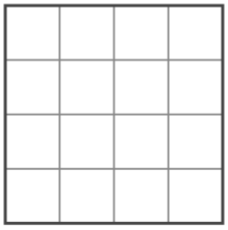
**Sprava**



vpredu vzadu



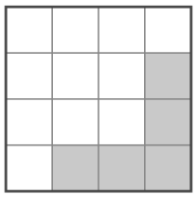

**Plán**



▲ spredu

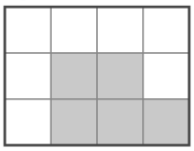
## 78. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



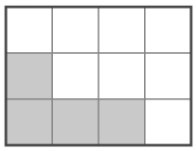
▲ spredu

**Spredu**

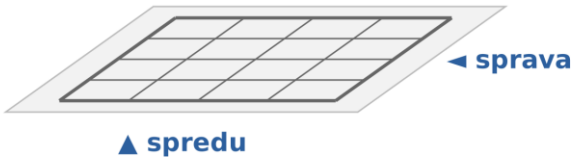


vľavo vpravo

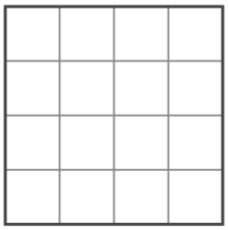
**Sprava**



vpredu vzadu



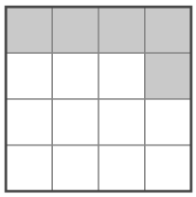

**Plán**



▲ spredu

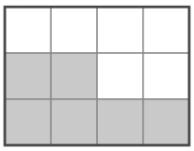
## 79. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



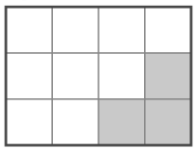
▲ spredu

**Spredu**

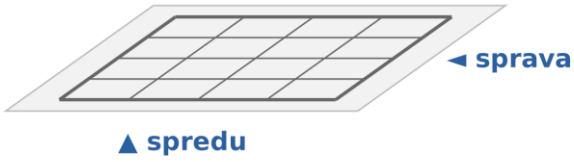


vľavo vpravo

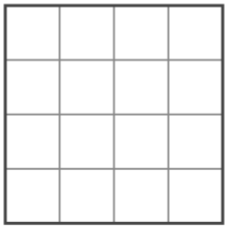
**Sprava**



vpredu vzadu



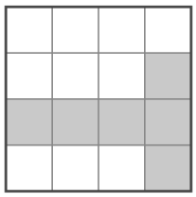

**Plán**



▲ spredu

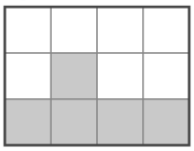
## 80. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



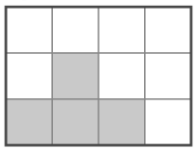
▲ spredu

**Spredu**

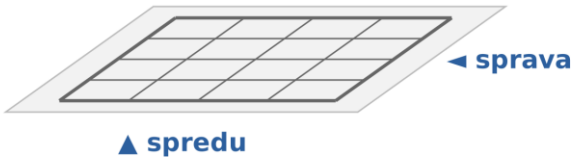


vľavo vpravo

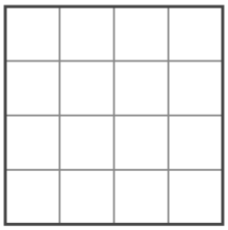
**Sprava**



vpredu vzadu



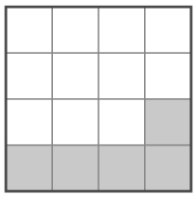

**Plán**



▲ spredu

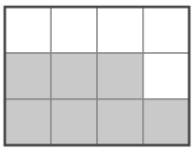
## 81. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



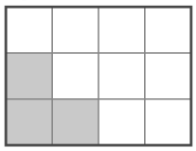
▲ spredu

**Spredu**

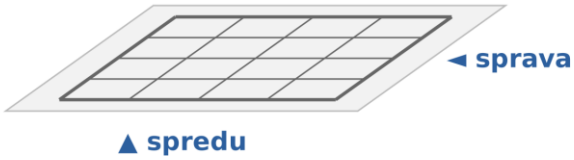


vľavo vpravo

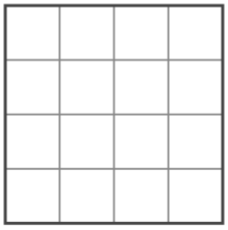
**Sprava**



vpredu vzadu

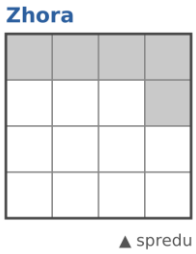



**Plán**



▲ spredu

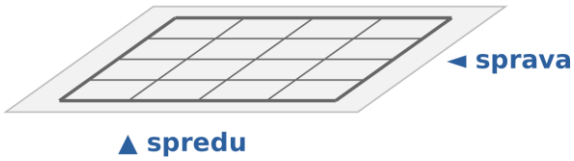
## 82. úloha ★★☆ Zapíš plán a nakresli stavbu.

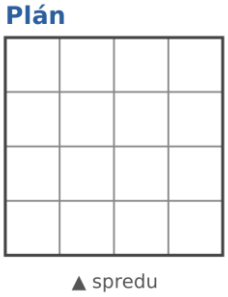




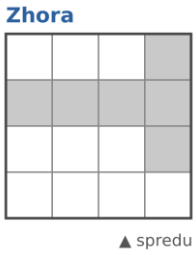


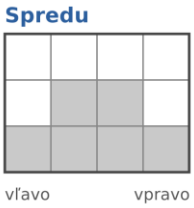


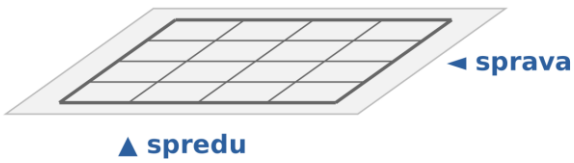

## 83. úloha ★★☆ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

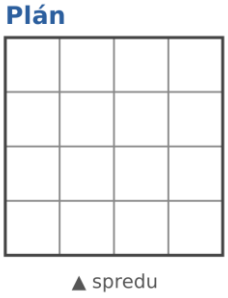




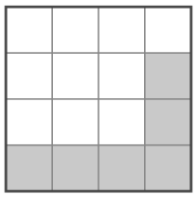




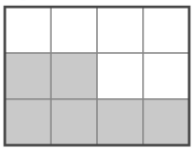
## 84. úloha ★★☆ Zapíš plán a nakresli stavbu.

**Zhora**



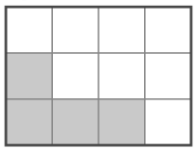
▲ spredu

**Spredu**

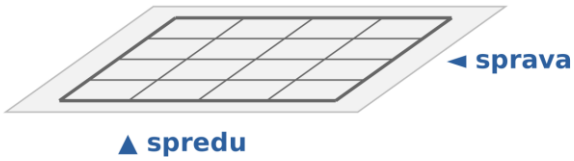


vľavo vpravo

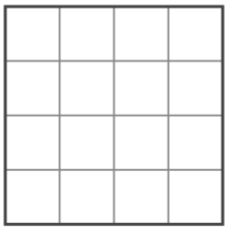
**Sprava**



vpredu vzadu



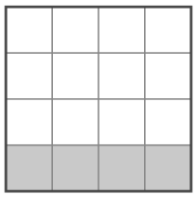

**Plán**



▲ spredu

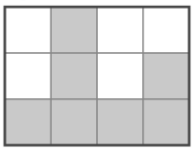
## 85. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



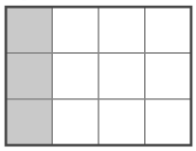
▲ spredu

**Spredu**

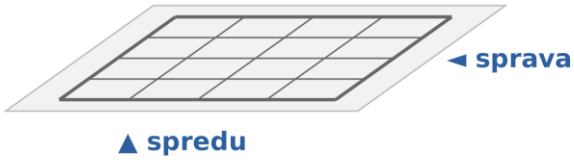


vľavo vpravo

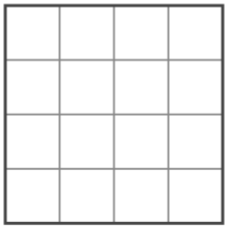
**Sprava**



vpredu vzadu



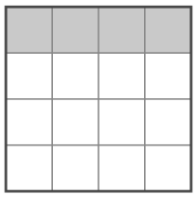

**Plán**



▲ spredu

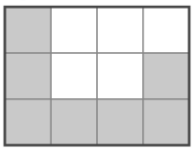
## 86. úloha ★★★ Zapíš plán a nakresli stavbu.

**Zhora**



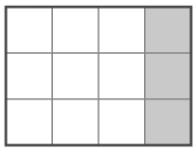
▲ spredu

**Spredu**

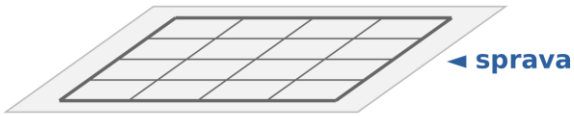


vľavo vpravo

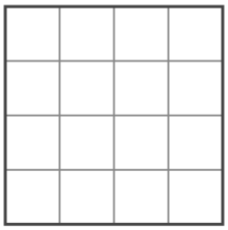
**Sprava**



vpredu vzadu



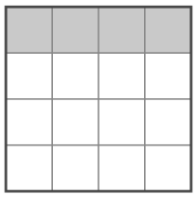

**Plán**



▲ spredu

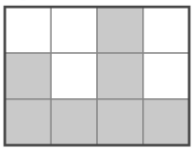
## 87. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



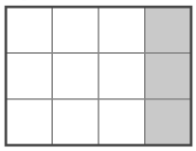
▲ spredu

**Spredu**

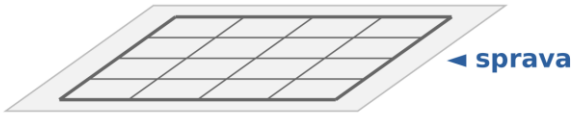


vľavo vpravo

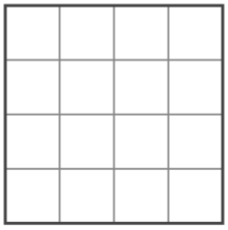
**Sprava**



vpredu vzadu



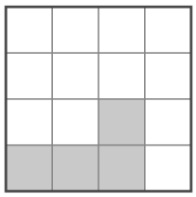

**Plán**



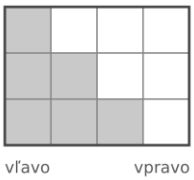
▲ spredu

## 88. úloha ★★★ Zapíš plán a nakresli stavbu.

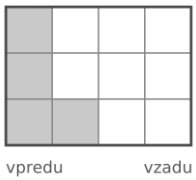
**Zhora**

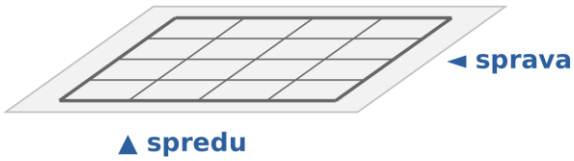



**Spredu**

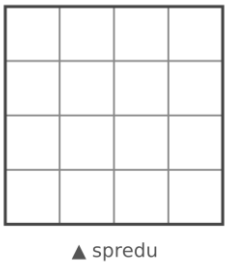



**Sprava**



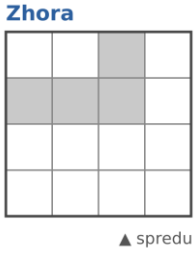




**Plán**

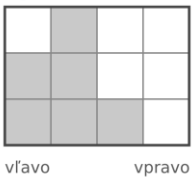



## 89. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

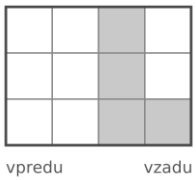
**Zhora**

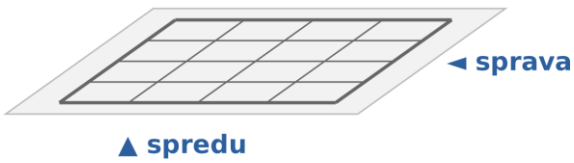



**Spredu**

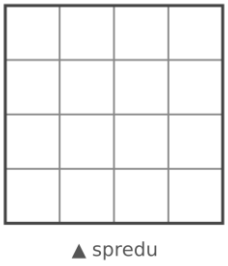



**Sprava**

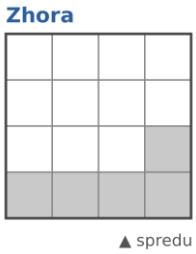



**Plán**



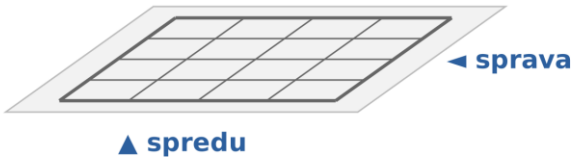
## 90. úloha ★★★ Zapíš plán a nakresli stavbu.

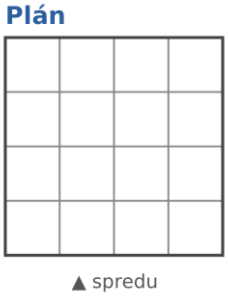




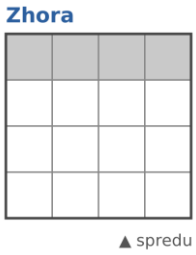


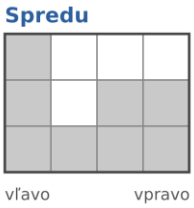


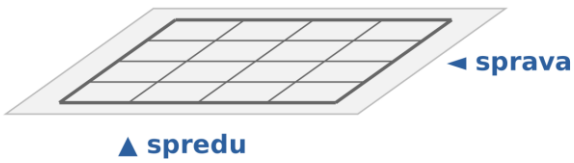

## 91. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

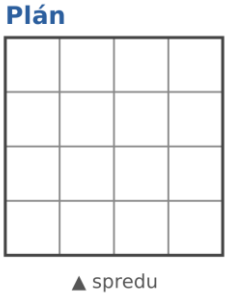


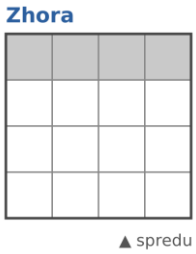


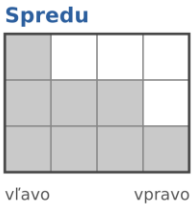




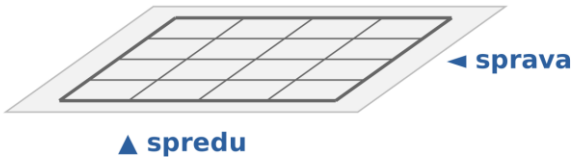
## 92. úloha ★★★ Zapíš plán a nakresli stavbu.

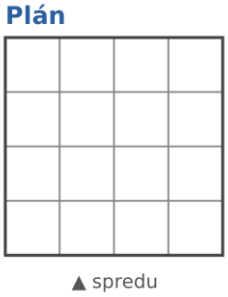


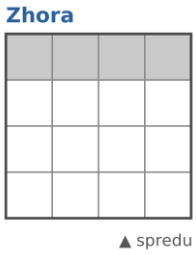


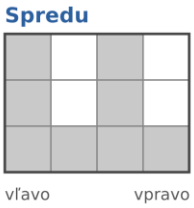




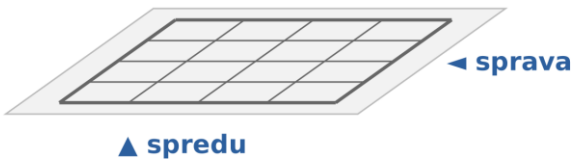

## 93. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

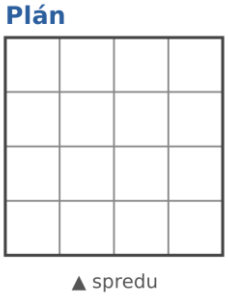




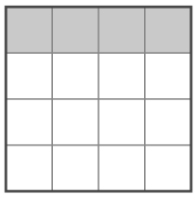




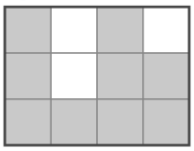
## 94. úloha ★★★ Zapíš plán a nakresli stavbu.

**Zhora**



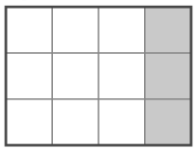
▲ spredu

**Spredu**

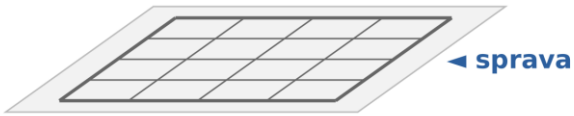


vľavo vpravo

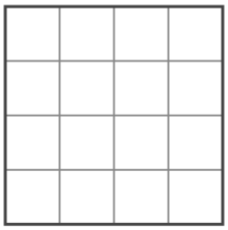
**Sprava**



vpredu vzadu



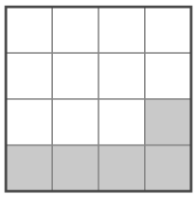

**Plán**



▲ spredu

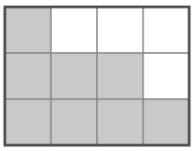
## 95. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

**Zhora**



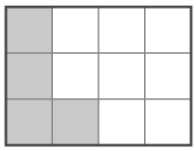
▲ spredu

**Spredu**

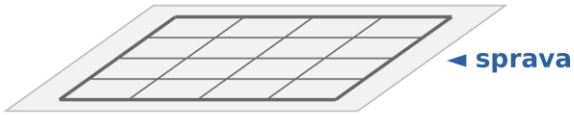


vľavo vpravo

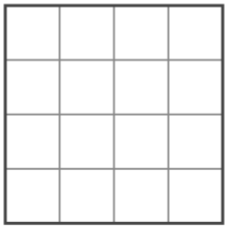
**Sprava**



vpredu vzadu

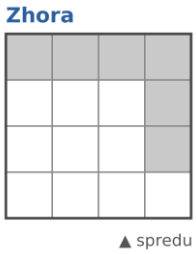



**Plán**



▲ spredu

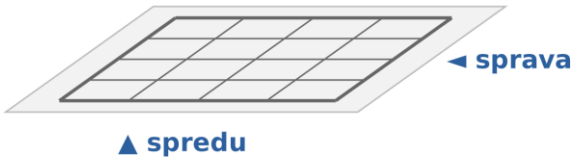
## 96. úloha ★★★ Zapíš plán a nakresli stavbu.

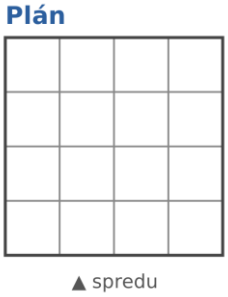




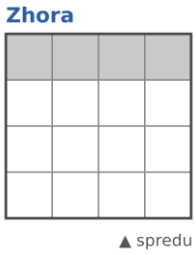


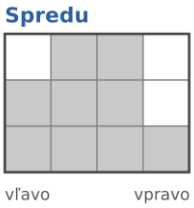


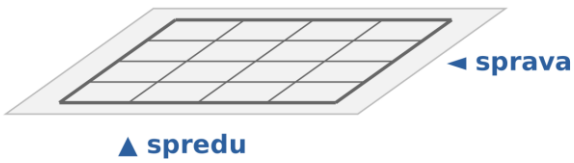

## 97. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

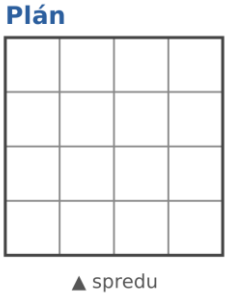


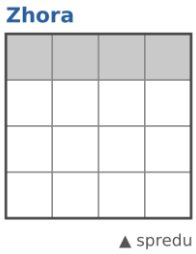


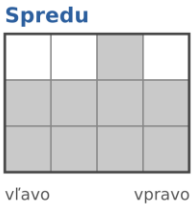




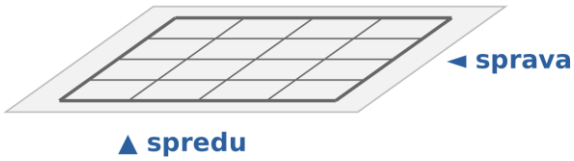
## 98. úloha ★★★ Zapíš plán a nakresli stavbu.

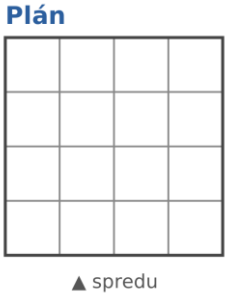


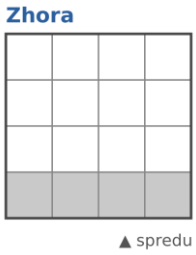


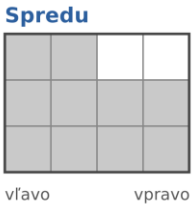




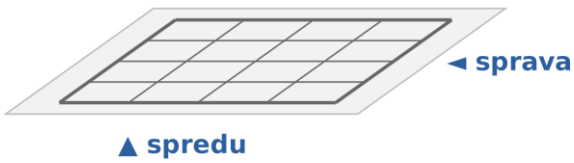

## 99. úloha ★★★ Zapíš plán a nakresli stavbu. Koľko kociek potrebuješ? .....

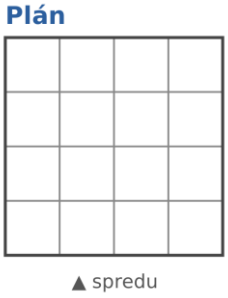


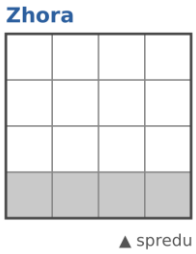


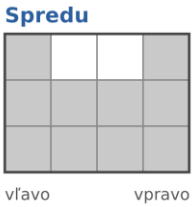




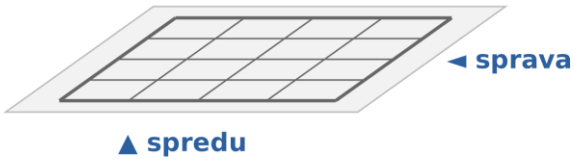
**100. úloha** ★★★ Zapíš plán a nakresli stavbu.

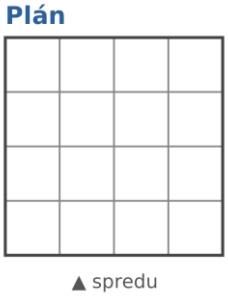








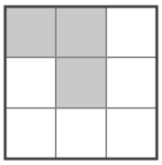



# VÝSLEDKY

## Časť A – správne pohľady (zhora, spredu, sprava) a plán stavby

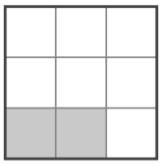
### 1. úloha – stavba má 3 kocky

**Zhora**



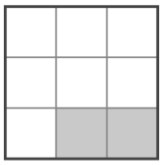
▲ spredu

**Spredu**



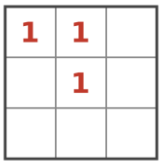
vľavo vpravo

**Sprava**



vpredu vzadu

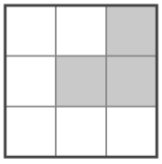
**Plán**




▲ spredu

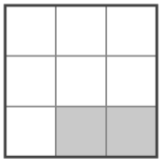
### 2. úloha – stavba má 3 kocky

**Zhora**



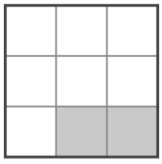
▲ spredu

**Spredu**



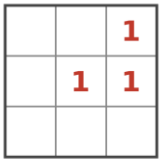
vľavo vpravo

**Sprava**



vpredu vzadu

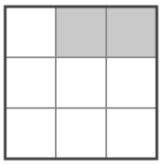
**Plán**




▲ spredu

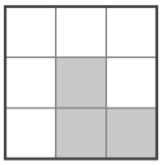
### 3. úloha – stavba má 3 kocky

**Zhora**



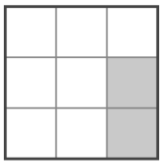
▲ spredu

**Spredu**



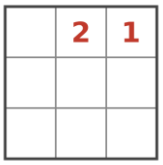
vľavo vpravo

**Sprava**



vpredu vzadu

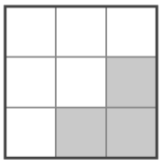
**Plán**




▲ spredu

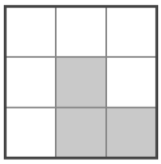
### 4. úloha – stavba má 4 kocky

**Zhora**



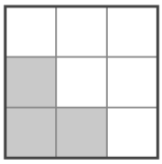
▲ spredu

**Spredu**



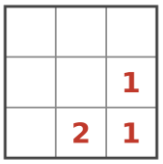
vľavo vpravo

**Sprava**



vpredu vzadu

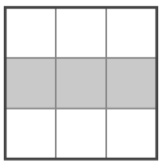
**Plán**




▲ spredu

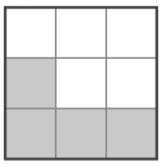
### 5. úloha – stavba má 4 kocky

**Zhora**



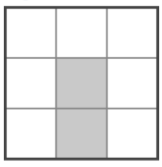
▲ spredu

**Spredu**



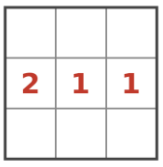
vľavo vpravo

**Sprava**



vpredu vzadu

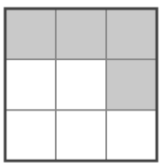
**Plán**




▲ spredu

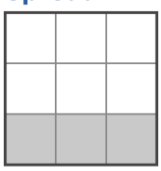
### 6. úloha – stavba má 4 kocky

**Zhora**



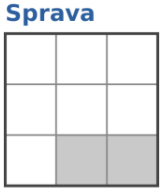
▲ spredu

**Spredu**



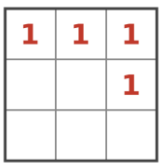
vľavo vpravo

**Sprava**



vpredu vzadu

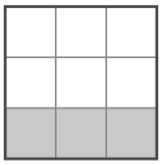
**Plán**




▲ spredu

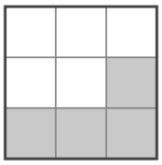
### 7. úloha – stavba má 4 kocky

**Zhora**



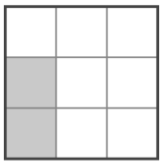
▲ spredu

**Spredu**



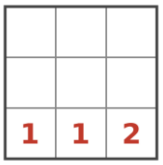
vľavo vpravo

**Sprava**



vpredu vzadu

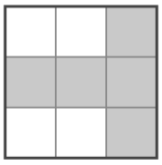
**Plán**




▲ spredu

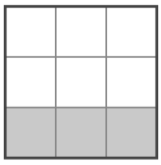
### 8. úloha – stavba má 5 kociek

**Zhora**



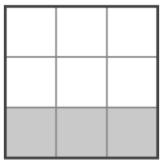
▲ spredu

**Spredu**



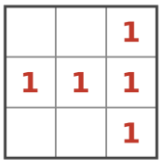
vľavo vpravo

**Sprava**



vpredu vzadu

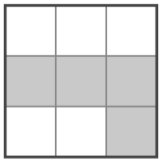
**Plán**




▲ spredu

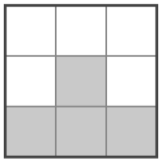
### 9. úloha – stavba má 5 kociek

**Zhora**



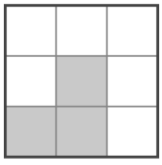
▲ spredu

**Spredu**



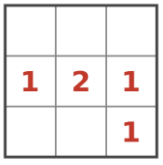
vľavo vpravo

**Sprava**



vpredu vzadu

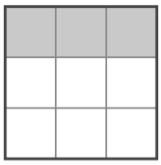
**Plán**




▲ spredu

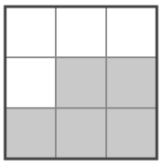
### 10. úloha – stavba má 5 kociek

**Zhora**



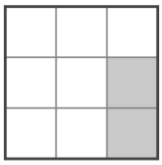
▲ spredu

**Spredu**



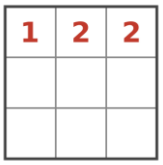
vľavo vpravo

**Sprava**



vpredu vzadu

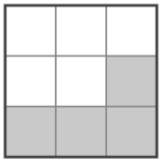
**Plán**




▲ spredu

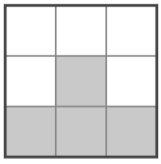
### 11. úloha – stavba má 5 kociek

**Zhora**



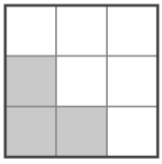
▲ spredu

**Spredu**



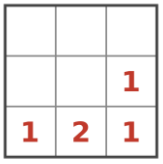
vľavo vpravo

**Sprava**



vpredu vzadu

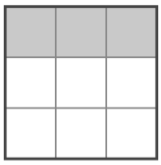
**Plán**




▲ spredu

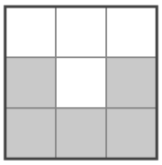
### 12. úloha – stavba má 5 kociek

**Zhora**



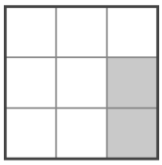
▲ spredu

**Spredu**



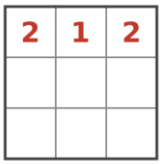
vľavo vpravo

**Sprava**



vpredu vzadu

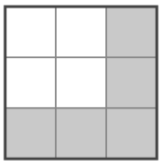
**Plán**




▲ spredu

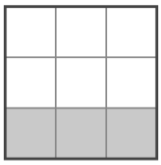
## 13. úloha – stavba má 5 kociek

**Zhora**



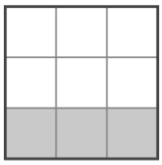
▲ spredu

**Spredu**



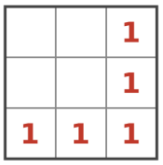
vľavo vpravo

**Sprava**



vpredu vzadu

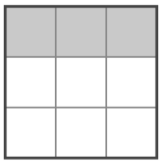
**Plán**




▲ spredu

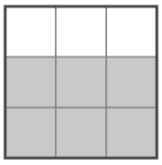
## 14. úloha – stavba má 6 kociek

**Zhora**



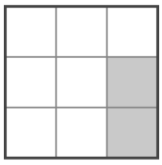
▲ spredu

**Spredu**



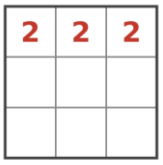
vľavo vpravo

**Sprava**



vpredu vzadu

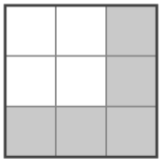
**Plán**




▲ spredu

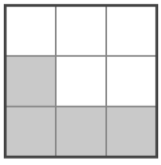
## 15. úloha – stavba má 6 kociek

**Zhora**



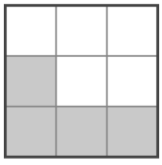
▲ spredu

**Spredu**



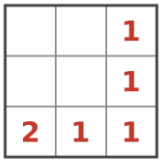
vľavo vpravo

**Sprava**



vpredu vzadu

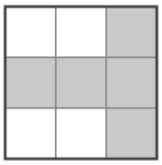
**Plán**




▲ spredu

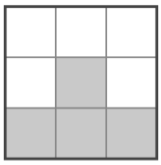
## 16. úloha – stavba má 6 kociek

**Zhora**



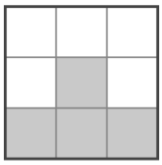
▲ spredu

**Spredu**



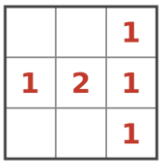
vľavo vpravo

**Sprava**



vpredu vzadu

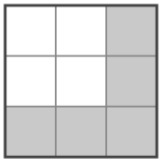
**Plán**




▲ spredu

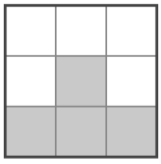
## 17. úloha – stavba má 6 kociek

**Zhora**



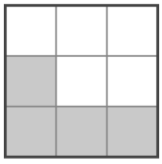
▲ spredu

**Spredu**



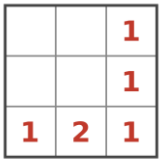
vľavo vpravo

**Sprava**



vpredu vzadu

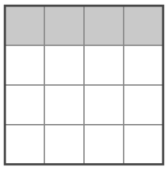
**Plán**




▲ spredu

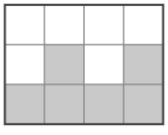
## 18. úloha – stavba má 6 kociek

**Zhora**



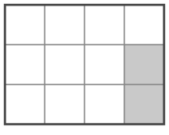
▲ spredu

**Spredu**



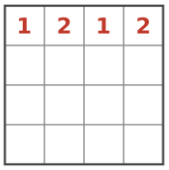
vľavo vpravo

**Sprava**



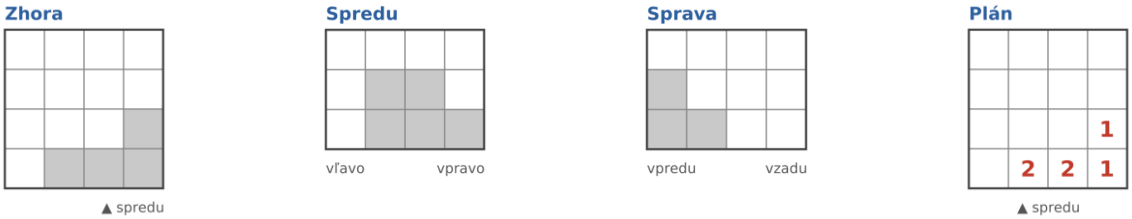
vpredu vzadu

**Plán**

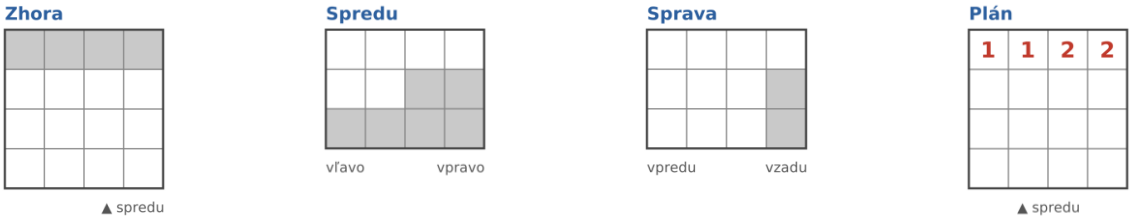



▲ spredu

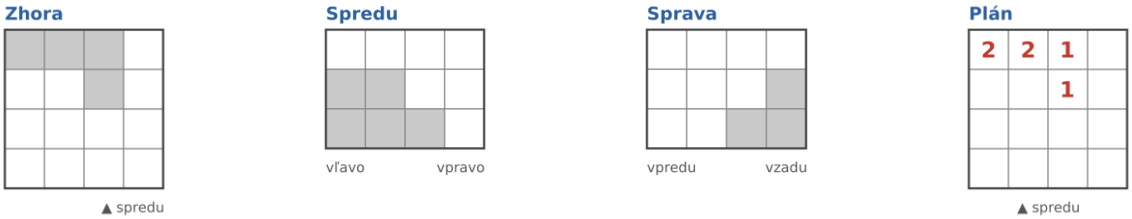
## 19. úloha – stavba má 6 kociek



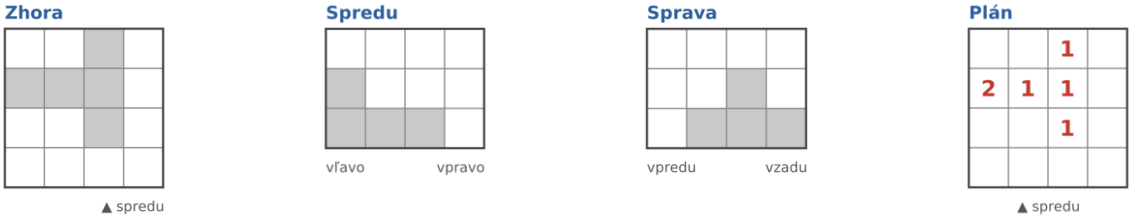

## 20. úloha – stavba má 6 kociek



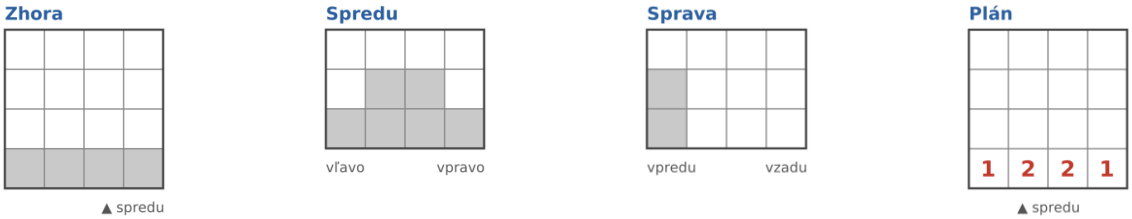

## 21. úloha – stavba má 6 kociek



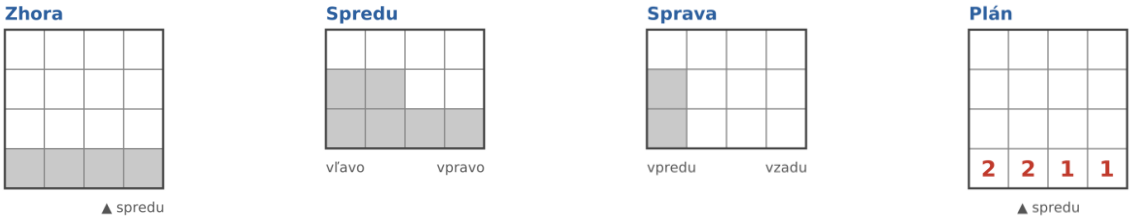

## 22. úloha – stavba má 6 kociek



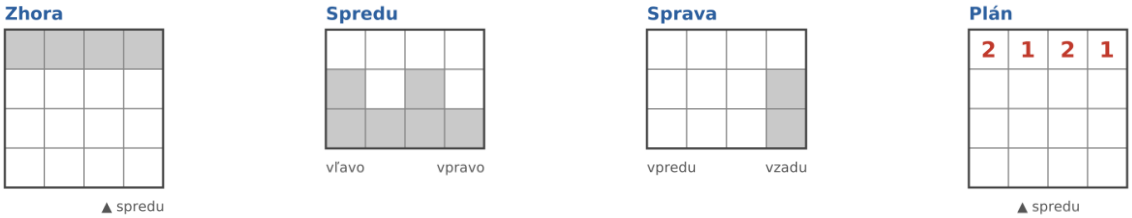

## 23. úloha – stavba má 6 kociek



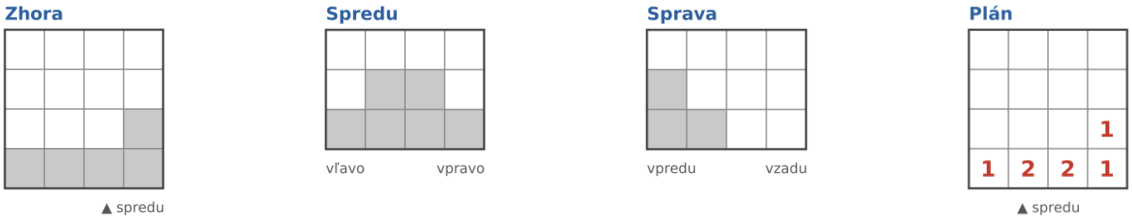

## 24. úloha – stavba má 6 kociek



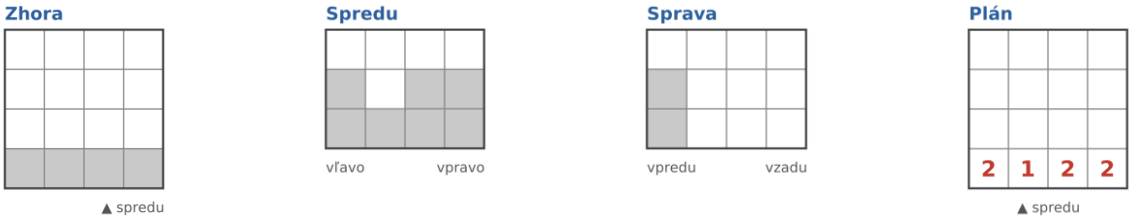

## 25. úloha – stavba má 6 kociek



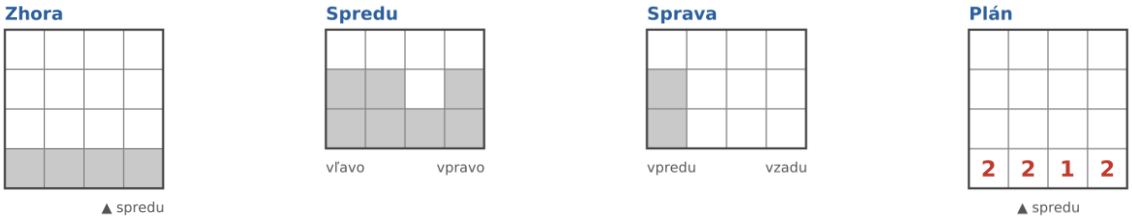
## 26. úloha – stavba má 7 kociek



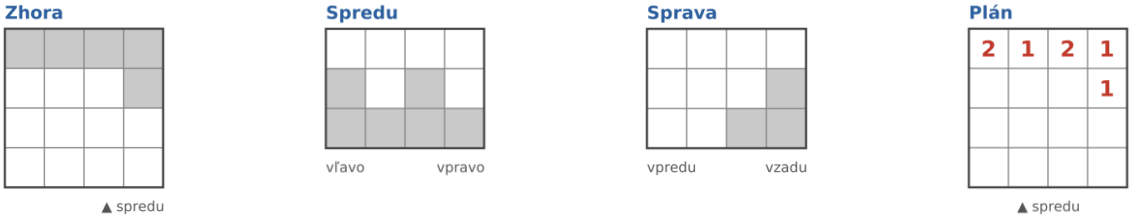

## 27. úloha – stavba má 7 kociek



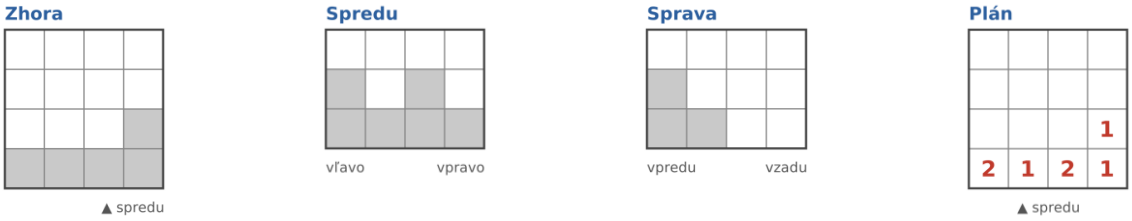

## 28. úloha – stavba má 7 kociek



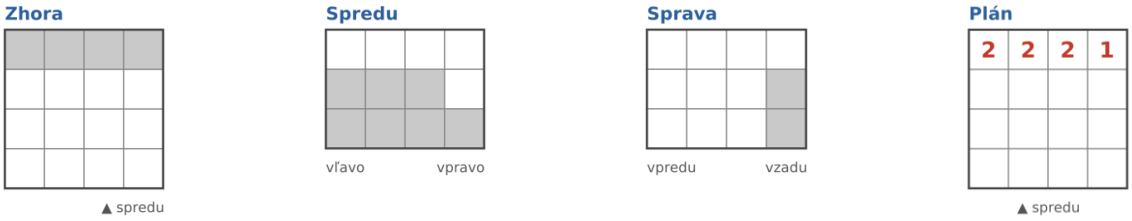

## 29. úloha – stavba má 7 kociek



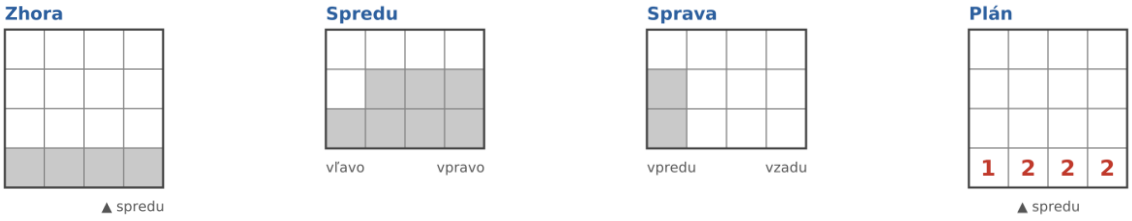

## 30. úloha – stavba má 7 kociek



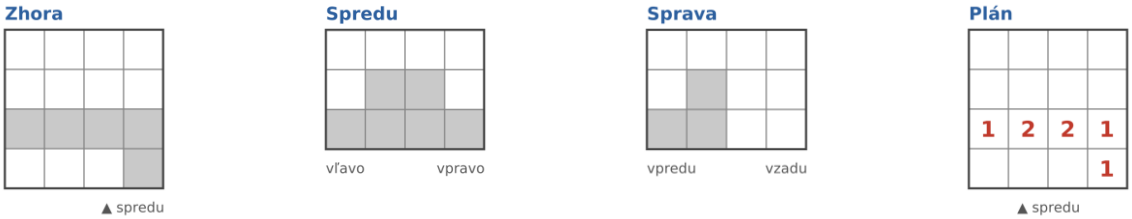

## 31. úloha – stavba má 7 kociek



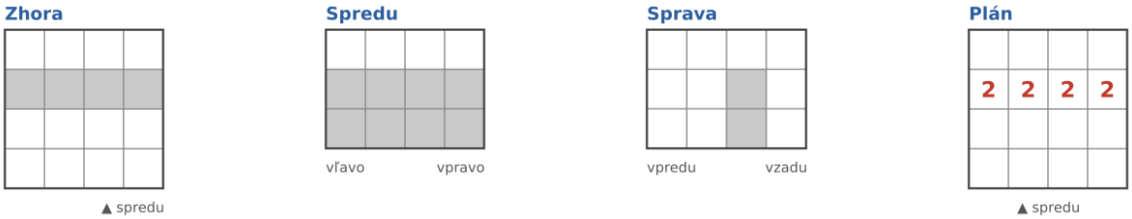

## 32. úloha – stavba má 7 kociek



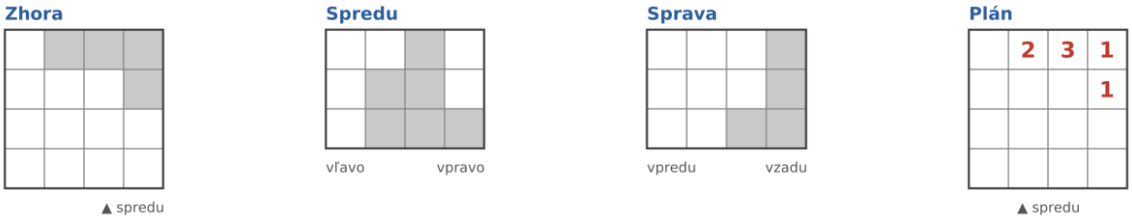
## 33. úloha – stavba má 7 kociek



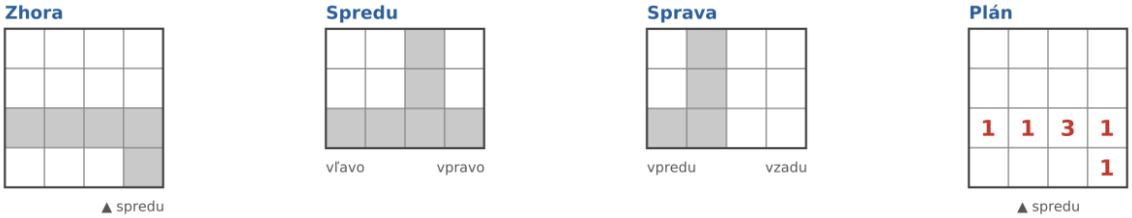

## 34. úloha – stavba má 8 kociek



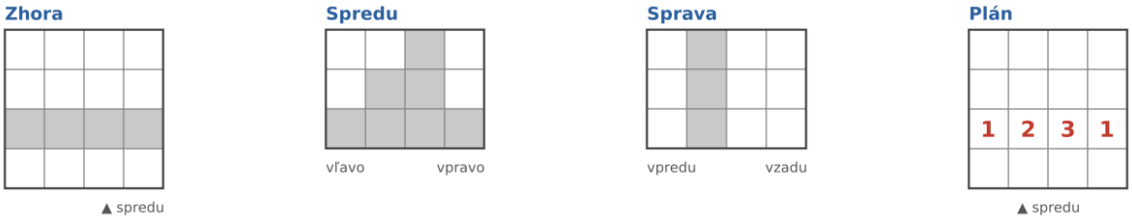

## 35. úloha – stavba má 7 kociek



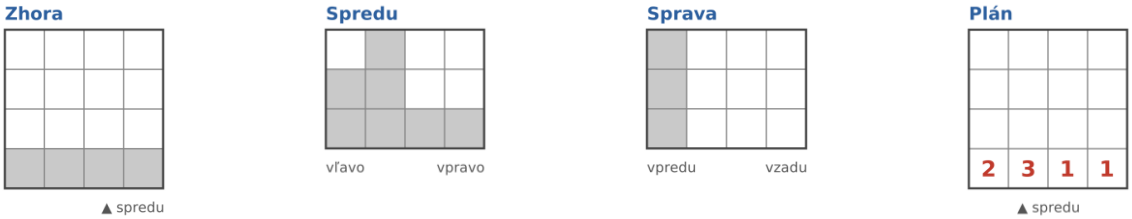

## 36. úloha – stavba má 7 kociek



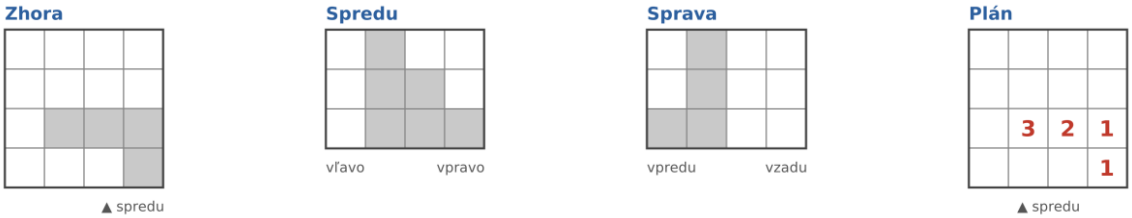

## 37. úloha – stavba má 7 kociek




## 38. úloha – stavba má 7 kociek

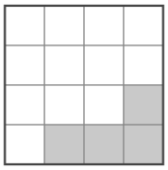



## 39. úloha – stavba má 7 kociek

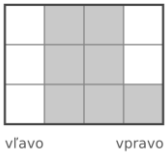


## 40. úloha – stavba má 8 kociek

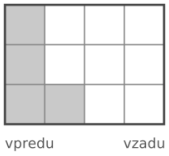
Zhora



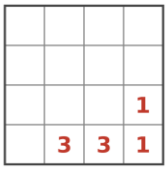

Spredu




Sprava

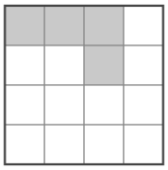



Plán

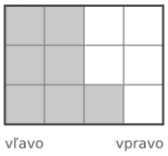



## 41. úloha – stavba má 8 kociek

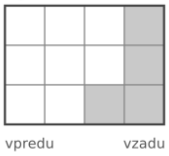
Zhora



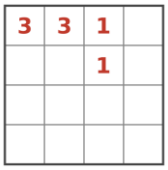

Spredu




Sprava

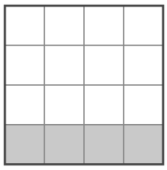



Plán

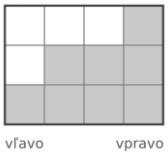



## 42. úloha – stavba má 8 kociek

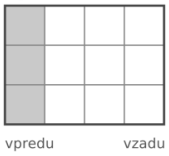
Zhora



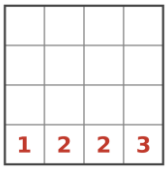

Spredu




Sprava

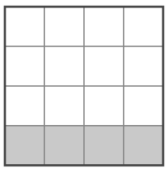



Plán




## 43. úloha – stavba má 8 kociek

Zhora



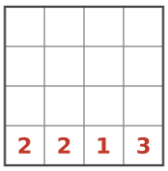

Spredu




Sprava

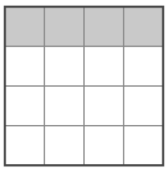



Plán




## 44. úloha – stavba má 8 kociek

Zhora



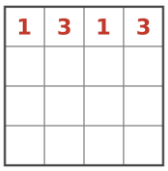

Spredu




Sprava

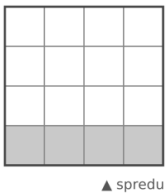



Plán




## 45. úloha – stavba má 9 kociek

Zhora



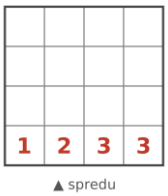

Spredu




Sprava

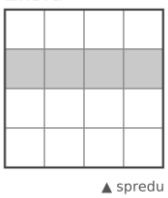



Plán




## 46. úloha – stavba má 9 kociek

Zhora



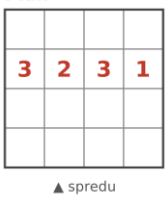

Spredu



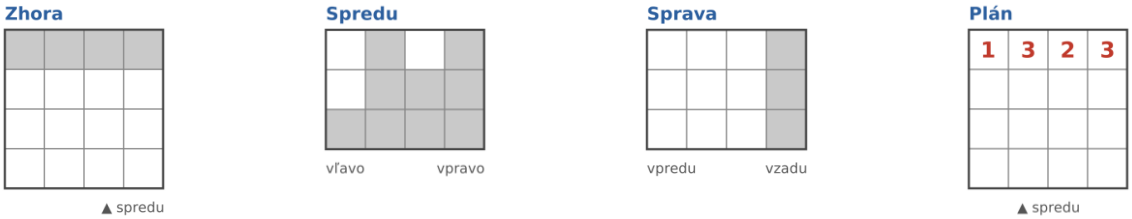

Sprava



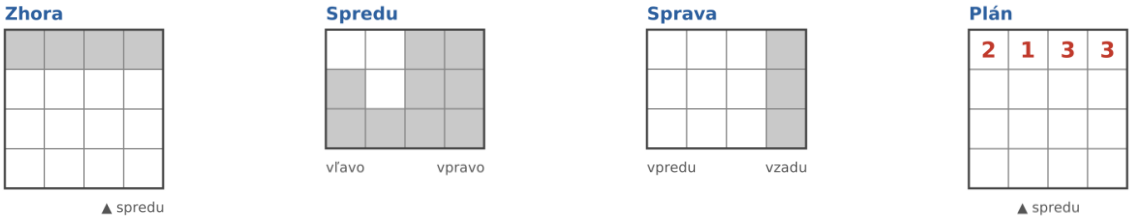

Plán



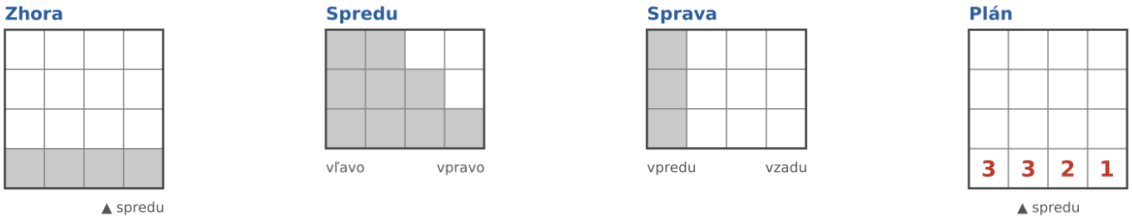
### 47. úloha – stavba má 9 kociek



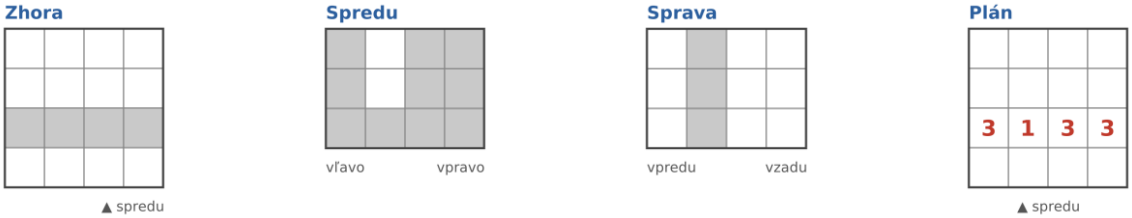

### 48. úloha – stavba má 9 kociek




### 49. úloha – stavba má 9 kociek

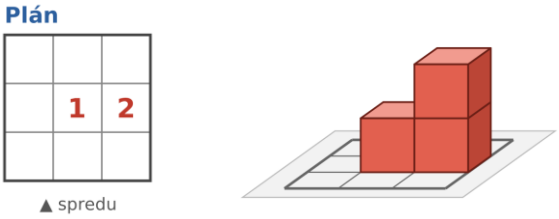



### 50. úloha – stavba má 10 kociek

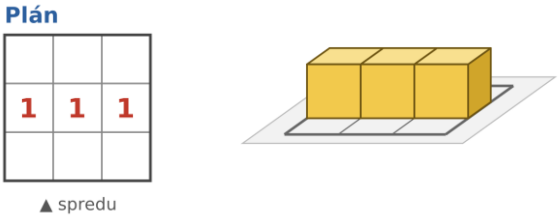



## Časť B – plán a stavba

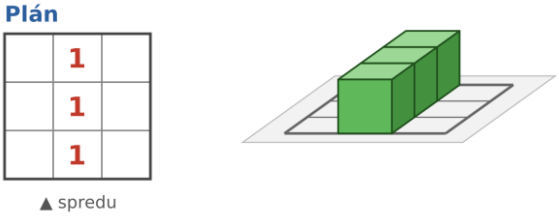
### 51. úloha – stavba má 3 kocky



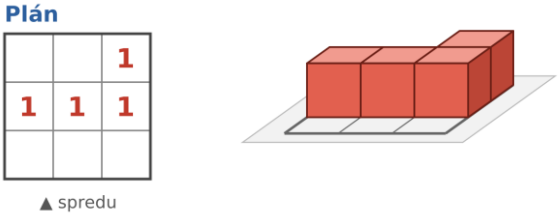

### 52. úloha – stavba má 3 kocky




### 53. úloha – stavba má 3 kocky




### 54. úloha – stavba má 4 kocky

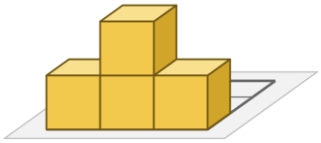


### 55. úloha – stavba má 4 kocky

Plán

| | | |
|---|---|---|
| | | |
| | | |
| 1 | 2 | 1 |

▲ spredu

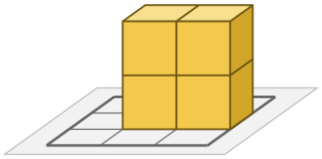


### 56. úloha – stavba má 4 kocky

Plán

| | | |
|---|---|---|
| | | |
| | 2 | 2 |
| | | |

▲ spredu

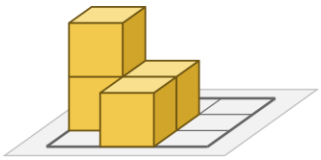


### 57. úloha – stavba má 4 kocky

Plán

| | | |
|---|---|---|
| | | |
| 2 | 1 | |
| | 1 | |

▲ spredu

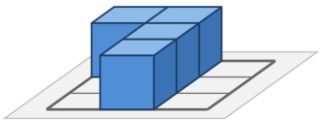


### 58. úloha – stavba má 4 kocky

Plán

| | | |
|---|---|---|
| 1 | 1 | |
| | 1 | |
| | 1 | |

▲ spredu

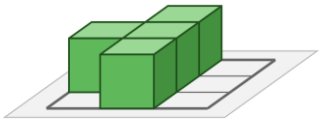


### 59. úloha – stavba má 4 kocky

Plán

| | | |
|---|---|---|
| | 1 | |
| 1 | 1 | |
| | 1 | |

▲ spredu

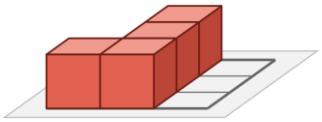


### 60. úloha – stavba má 4 kocky

Plán

| | | |
|---|---|---|
| | 1 | |
| | 1 | |
| 1 | 1 | |

▲ spredu

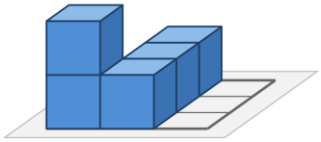


### 61. úloha – stavba má 5 kociek

Plán

| | | |
|---|---|---|
| | 1 | |
| | 1 | |
| 2 | 1 | |

▲ spredu

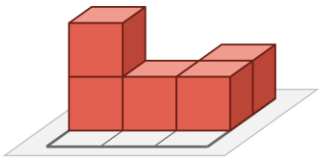


### 62. úloha – stavba má 5 kociek

Plán

| | | |
|---|---|---|
| | | 1 |
| 2 | 1 | 1 |
| | | |

▲ spredu



### 63. úloha – stavba má 5 kociek

Plán

| | | |
|---|---|---|
| | | 1 |
| | 2 | 1 |
| | | 1 |

▲ spredu

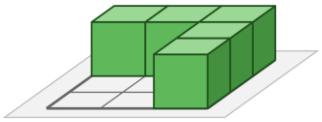


### 64. úloha – stavba má 5 kociek

Plán

| | | |
|---|---|---|
| 1 | 1 | 1 |
| | | 1 |
| | | 1 |

▲ spredu

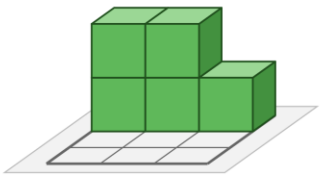


### 65. úloha – stavba má 5 kociek

Plán

| | | |
|---|---|---|
| 2 | 2 | 1 |
| | | |
| | | |

▲ spredu

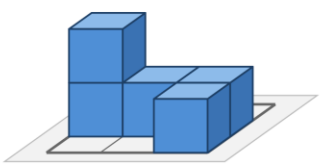


### 66. úloha – stavba má 5 kociek

Plán

| | | |
|---|---|---|
| | | |
| 2 | 1 | 1 |
| | | 1 |

▲ spredu

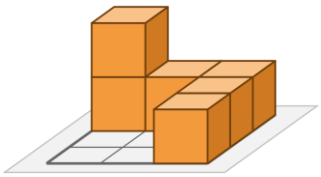


### 67. úloha – stavba má 6 kociek

Plán

| | | |
|---|---|---|
| 2 | 1 | 1 |
| | | 1 |
| | | 1 |

▲ spredu

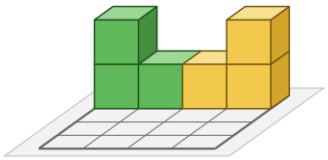


### 68. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 1 | 1 | 2 |
| | | | |
| | | | |

▲ spredu

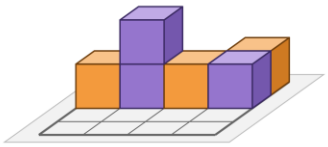


### 69. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| | | | 1 |
| 1 | 2 | 1 | 1 |
| | | | |

▲ spredu

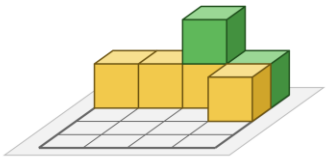


### 70. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| 1 | 1 | 2 | 1 |
| | | | 1 |
| | | | |

▲ spredu

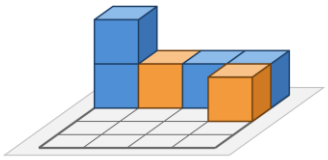


### 71. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 1 | 1 | 1 |
| | | | 1 |
| | | | |

▲ spredu

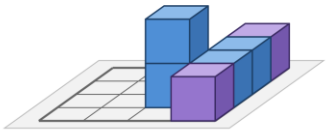


### 72. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| | | | 1 |
| | | | 1 |
| | | 2 | 1 |
| | | | 1 |

▲ spredu

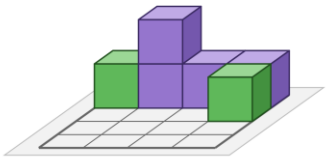


### 73. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| 1 | 2 | 1 | 1 |
| | | | 1 |
| | | | |

▲ spredu

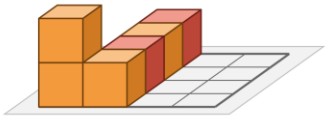


### 74. úloha – stavba má 6 kociek

Plán

| | | | |
|---|---|---|---|
| | 1 | | |
| | 1 | | |
| | 1 | | |
| 2 | 1 | | |

▲ spredu

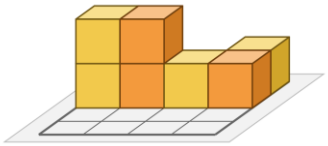


### 75. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | 1 |
| 2 | 2 | 1 | 1 |
| | | | |

▲ spredu



### 76. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | 1 |
| | | | 1 |
| | 1 | 2 | 1 |
| | | | 1 |

▲ spredu

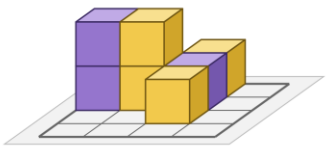


### 77. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | 1 | |
| 2 | 2 | 1 | |
| | | 1 | |

▲ spredu

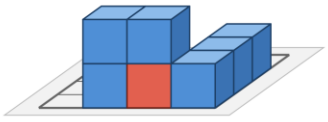


### 78. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | 1 |
| | | | 1 |
| | 2 | 2 | 1 |

▲ spredu

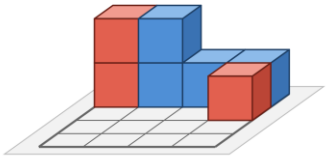


### 79. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 2 | 1 | 1 |
| | | | 1 |
| | | | |

▲ spredu



### 80. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | 1 |
| 1 | 2 | 1 | 1 |
| | | | 1 |

▲ spredu

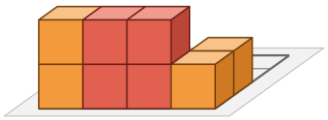


## 81. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | 1 |
| 2 | 2 | 2 | 1 |

▲ spredu

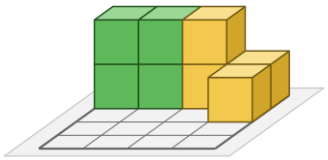


## 82. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 2 | 2 | 1 |
| | | | 1 |
| | | | |
| | | | |

▲ spredu

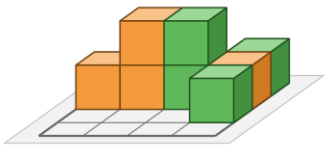


## 83. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| | | | 1 |
| 1 | 2 | 2 | 1 |
| | | | 1 |
| | | | |

▲ spredu

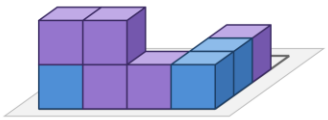


## 84. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | 1 |
| | | | 1 |
| 2 | 2 | 1 | 1 |

▲ spredu

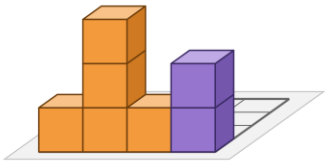


## 85. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| 1 | 3 | 1 | 2 |

▲ spredu

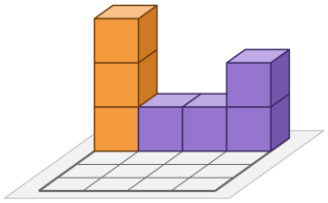


## 86. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| 3 | 1 | 1 | 2 |
| | | | |
| | | | |
| | | | |

▲ spredu

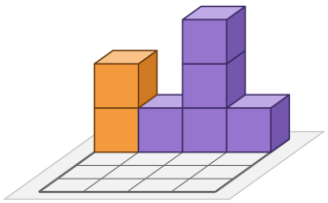


## 87. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 1 | 3 | 1 |
| | | | |
| | | | |
| | | | |

▲ spredu

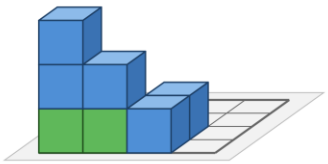


## 88. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | 1 | |
| 3 | 2 | 1 | |

▲ spredu

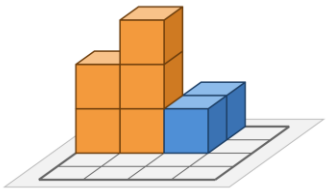


## 89. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | 1 | |
| 2 | 3 | 1 | |
| | | | |
| | | | |

▲ spredu

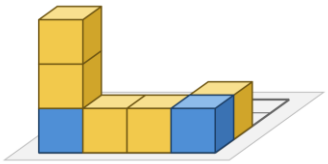


## 90. úloha – stavba má 7 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | 1 |
| 3 | 1 | 1 | 1 |

▲ spredu

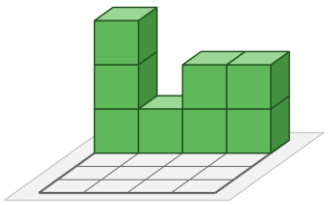


## 91. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| 3 | 1 | 2 | 2 |
| | | | |
| | | | |
| | | | |

▲ spredu

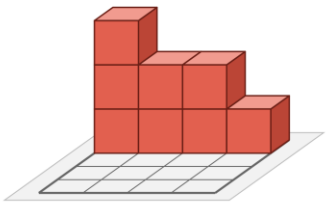


## 92. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| 3 | 2 | 2 | 1 |
| | | | |
| | | | |
| | | | |

▲ spredu

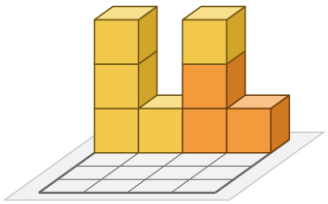


### 93. úloha – stavba má 8 kociek

Plán

| | | | |
|---|---|---|---|
| 3 | 1 | 3 | 1 |
| | | | |
| | | | |
| | | | |

▲ spredu

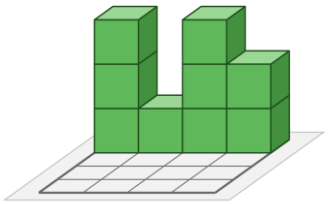


### 94. úloha – stavba má 9 kociek

Plán

| | | | |
|---|---|---|---|
| 3 | 1 | 3 | 2 |
| | | | |
| | | | |
| | | | |

▲ spredu

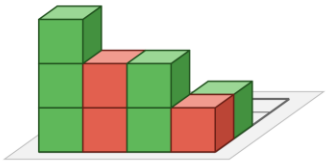


### 95. úloha – stavba má 9 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | 1 |
| 3 | 2 | 2 | 1 |

▲ spredu

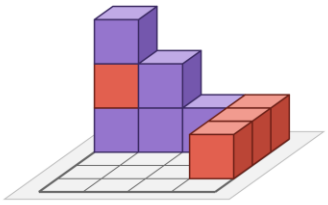


### 96. úloha – stavba má 9 kociek

Plán

| | | | |
|---|---|---|---|
| 3 | 2 | 1 | 1 |
| | | | 1 |
| | | | 1 |
| | | | |

▲ spredu



### 97. úloha – stavba má 9 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 3 | 3 | 1 |
| | | | |
| | | | |
| | | | |

▲ spredu

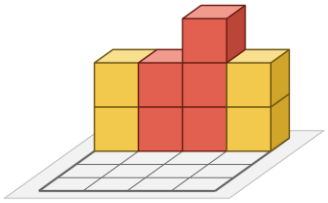


### 98. úloha – stavba má 9 kociek

Plán

| | | | |
|---|---|---|---|
| 2 | 2 | 3 | 2 |
| | | | |
| | | | |
| | | | |

▲ spredu

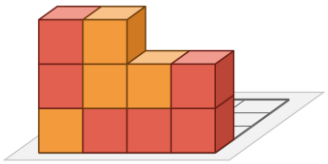


### 99. úloha – stavba má 10 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| 3 | 3 | 2 | 2 |

▲ spredu



### 100. úloha – stavba má 10 kociek

Plán

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| 3 | 2 | 2 | 3 |

▲ spredu

