

# Pole polí

E 3011

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# Co nás dnes čeká

1 ✓

2 Pole polí

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2 Pole polí

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## Pole polí

Pole může obsahovat jako prvky další pole.

```
1 food = ["apple", "banana", "cherry"],
2         "meat",
3         ["beer", "water", "wine"],
4         ["beans", "flour", "pasta", "rice"]]
5
6 print(food[0])
7 print(food[-3])
8 print(food[0][0])
9 print(food[1][0])
10 print(food[2][-2])
```

# Manipulace s polem polí

```
1 food = [{"apple", "banana", "cherry"},
2         "meat",
3         ["beer", "water", "wine"],
4         ["beans", "flour", "pasta", "rice"]]
5
6 food.append("cheese")
7 print(food)
8 food[0].append(["peach", "pear"])
9 print(food)
10 food[1] = ["fish"]
11 print(food)
12 food[2].insert(2, "whiskey")
13 print(food)
```

# Manipulace s polem polí

```
1 food = ["apple", "banana", "cherry"],
2         "meat",
3         ["beer", "water", "wine"],
4         ["beans", "flour", "pasta", "rice"]]
5
6 del food[1]
7 print(food)
8 del food[2][-1]
9 print(food)
10 food[1].remove("water")
11 print(food)
12 f = food.pop()
13 print(food)
14 print(f)
```

## Definice matice

Za matici považujeme pole polí čísel obdélníkového tvaru, kde vnořená pole reprezentují řádky matice.

```
1 P = [[0, 1, 2],  
2     [5, -3, 0],  
3     [1, 2, 0],  
4     [1/2, 0, -3]]  
5  
6 Q = [[0], [1], [-1]]  
7 R = [[0, 1, 3, 2]]
```