

Algorytmy i programowanie - stos

Marcin Żurowski

17 maja 2021

```
STRUCT-STACK S
INIT(S) /*inicjuje zmienne*/
PUSH(S,1)
PUSH(S,2)
WRITE(S) //1 2
PUSH(S,3)
PUSH(S,4)
PUSH(S,5)
WRITE(S) //1 2 3 4 5
PUSH(S,6) //nadmiar
WRITE(S) //1 2 3 4 5
```

```
WRITE(STACK-EMPTY(S)) //false
WRITE(POP(S)) //5
WRITE(POP(S)) //4
WRITE(POP(S)) //3
WRITE(POP(S)) //2
WRITE(S) //1
WRITE(POP(S)) //1
WRITE(POP(S)) //niedomiar
WRITE(S) //
WRITE(STACK-EMPTY(S)) //true
```

Stos - funkcje i procedury

```
STRUCT-STACK  
  data[1..5]  
  top = 0  
STACK-EMPTY(S)  
PUSH(S,k)  
POP(S)
```

Napisz algorytm który:

- 1 Scalanie dwóch stosów