

Zaawansowane struktury danych - drzewo van Emde Boasa

12 stycznia 2024

```
STRUCT-TREE T  
INIT(T, 16) /*inicjuje zmienne*/  
TREE-INSERT(T,2)  
TREE-INSERT(T,3)  
TREE-INSERT(T,4)  
TREE-INSERT(T,5)  
TREE-INSERT(T,7)  
TREE-INSERT(T,14)  
TREE-INSERT(T,15)
```

Drzewo vEB

```
WRITE(T) //  
//0->0  
//1->0  
//2->1  
//3->1  
//4->1  
//5->1  
//6->0  
//7->1  
//8->0  
//9->0  
//10->0  
//11->0  
//12->0  
//13->0  
//14->1  
//15->1
```

```
MEMBER(T, 6) //0  
MEMBER(T, 5) //1  
MINIMUM(T, 5) //2  
MAXIMUM(T, 5) //15  
SUCCESSOR(T, 7) //14  
PREDECESSOR(T, 14) //7  
DELETE(T, 7)
```

Drzewo vEB

```
WRITE(T) //  
//0->0  
//1->0  
//2->1  
//3->1  
//4->1  
//5->1  
//6->0  
//7->0  
//8->0  
//9->0  
//10->0  
//11->0  
//12->0  
//13->0  
//14->1  
//15->1
```