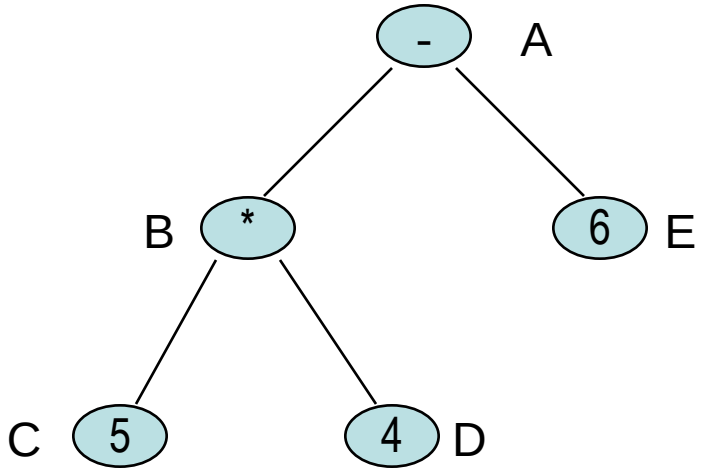
Preorder Traversierung D(1)

```
preorder(node){
   if (node != 0)    {
     process(node);
     preorder(node -> left);
     preorder(node -> right);
   }
}
```

```
process(A);
```

Process-Reihenfolge:

Notation-Reihenfolge:



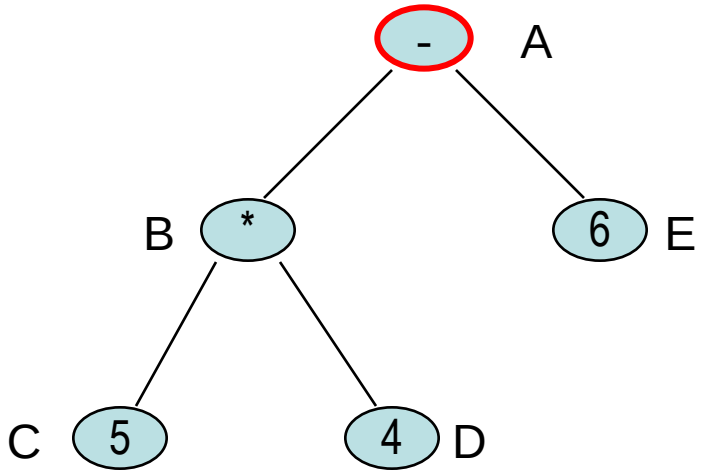
Preorder Traversierung D(2)

```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Überprüfung ob Knoten existiert

Process-Reihenfolge:

Notation-Reihenfolge:



Preorder Traversierung D(3)

```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

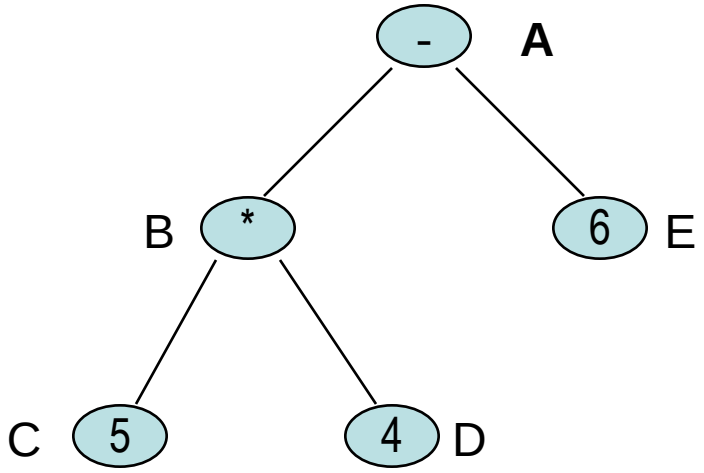
bearbeitet den Knoten A

Process-Reihenfolge:

A

Notation-Reihenfolge:

-



Preorder Traversierung D(4)

```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

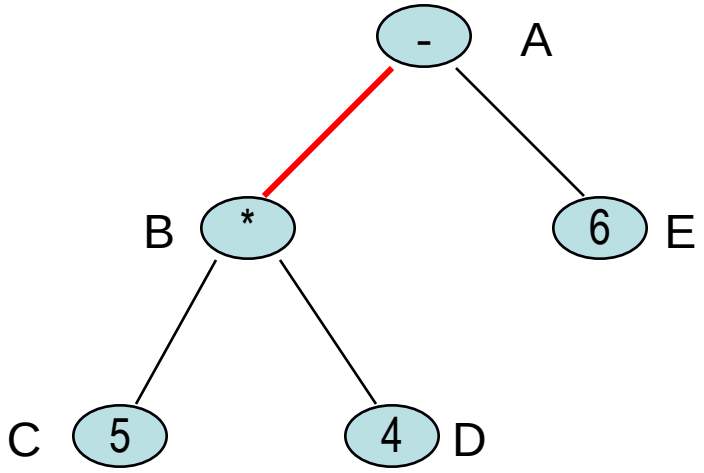
Rekursiver Aufruf für den linken Teilbaum von A

Process-Reihenfolge:

A

Notation-Reihenfolge:

-



Preorder Traversierung D(5)

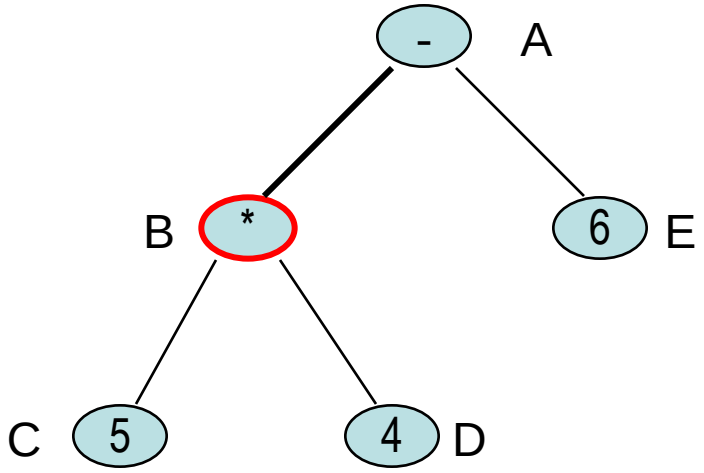
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A

Notation-Reihenfolge:

-



Preorder Traversierung D(6)

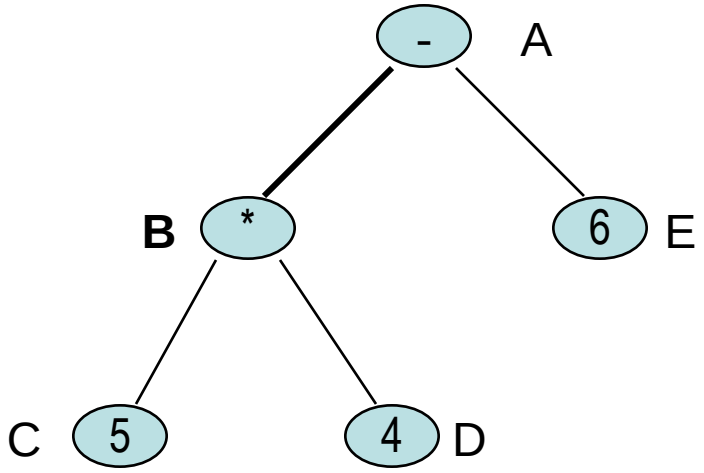
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B

Notation-Reihenfolge:

- *



Preorder Traversierung D(7)

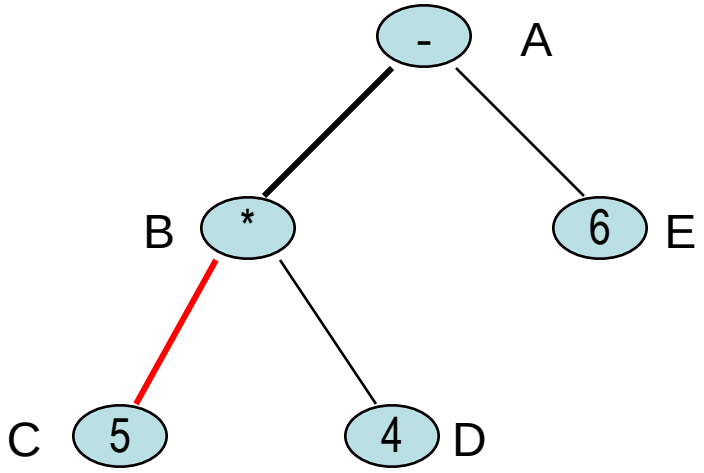
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B

Notation-Reihenfolge:

- *



Preorder Traversierung D(8)

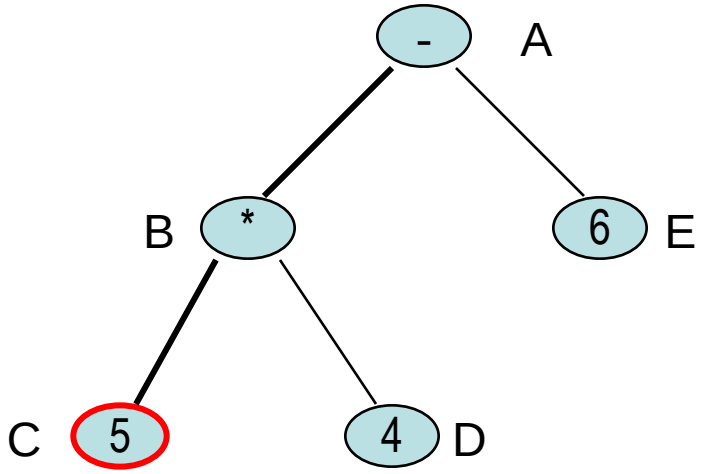
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B

Notation-Reihenfolge:

- *



Preorder Traversierung D(9)

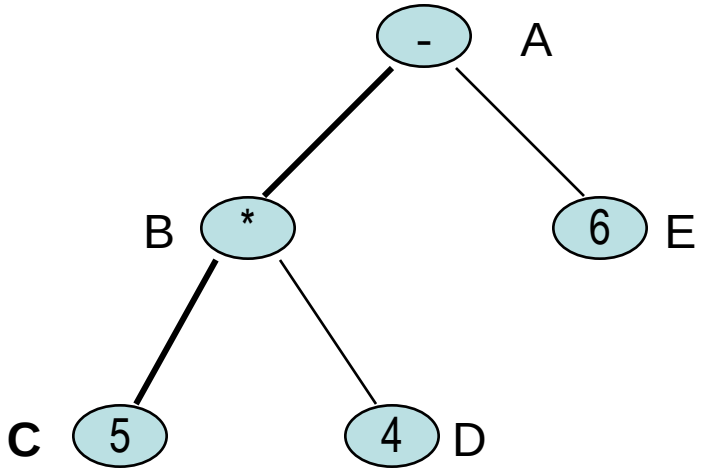
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(10)

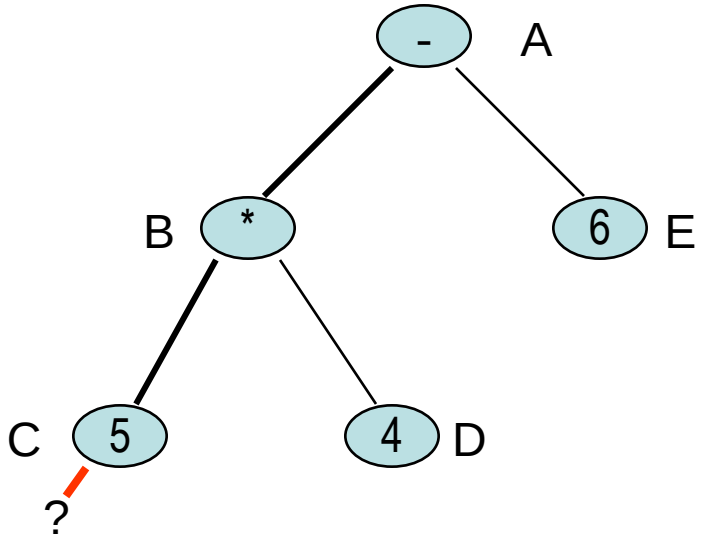
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(11)

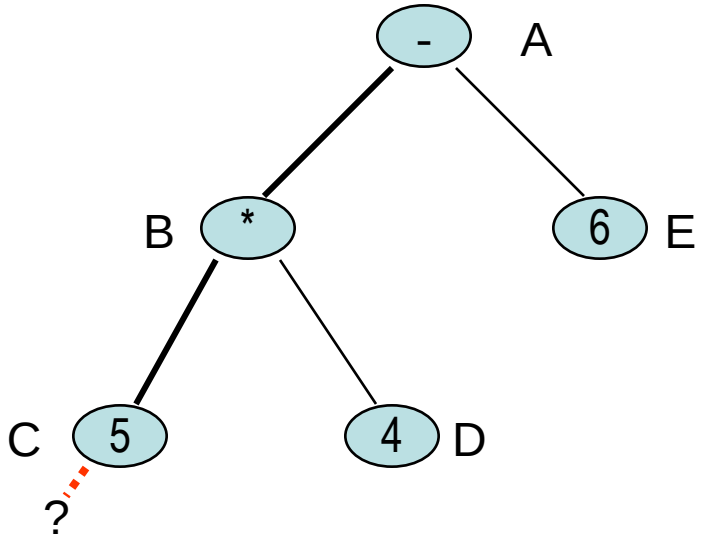
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(12)

```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

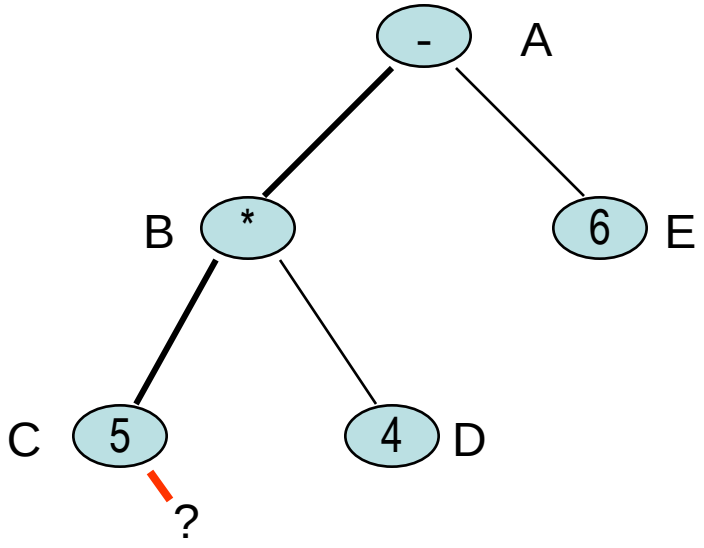
Rekursiver Aufruf für den rechten Teilbaum von C

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(13)

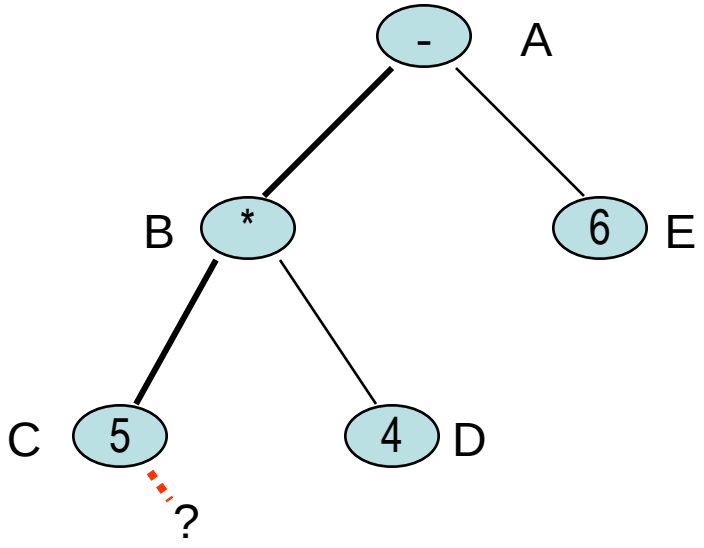
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(14)

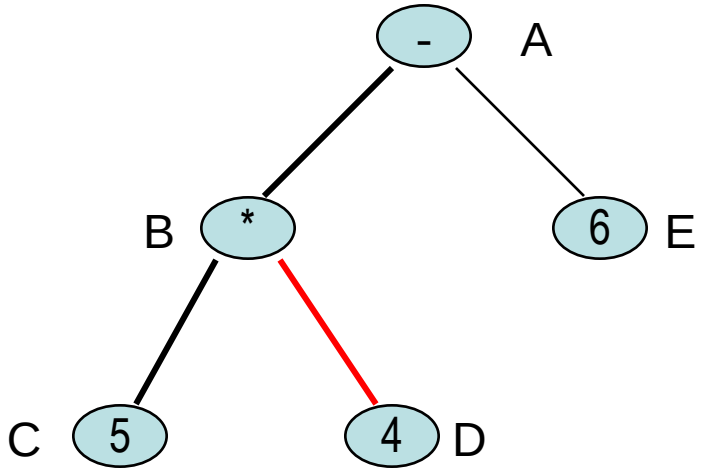
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(15)

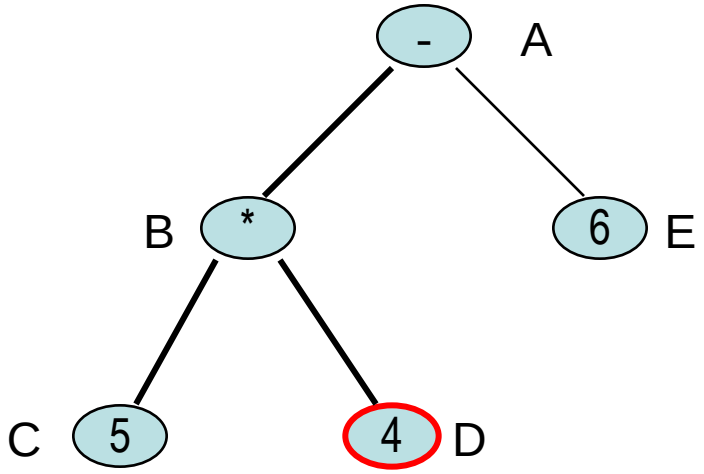
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C

Notation-Reihenfolge:

- * 5



Preorder Traversierung D(16)

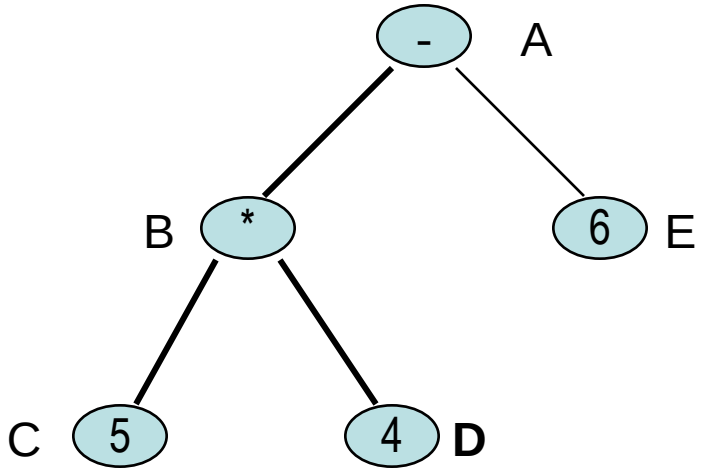
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(17)

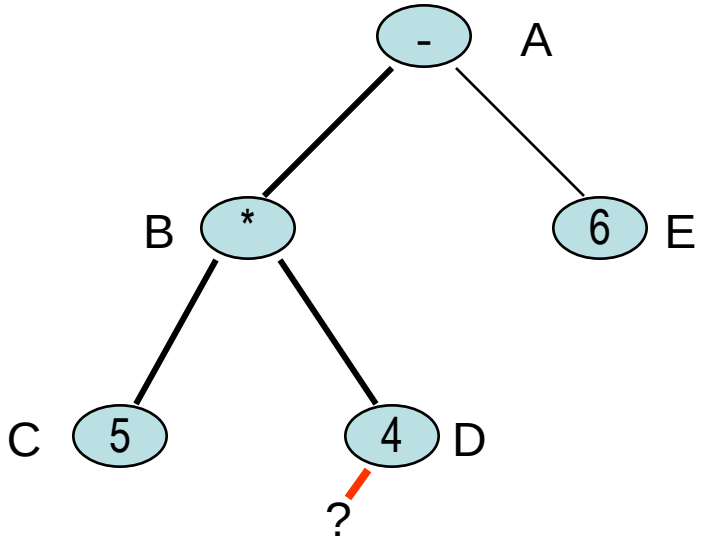
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(18)

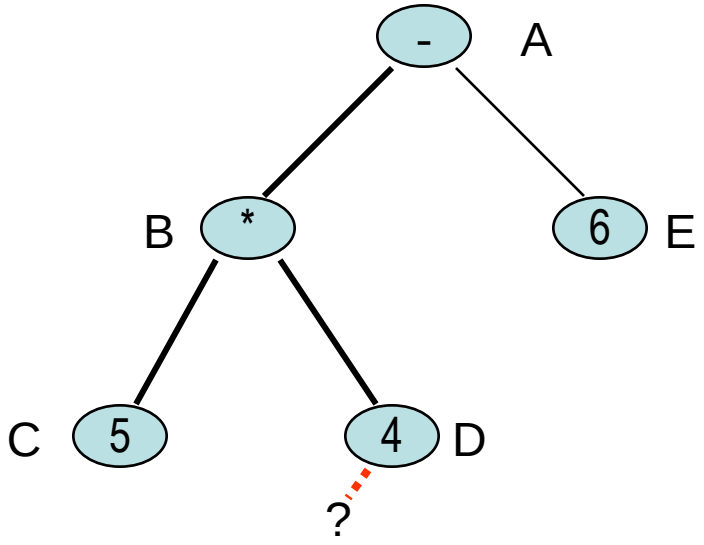
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(19)

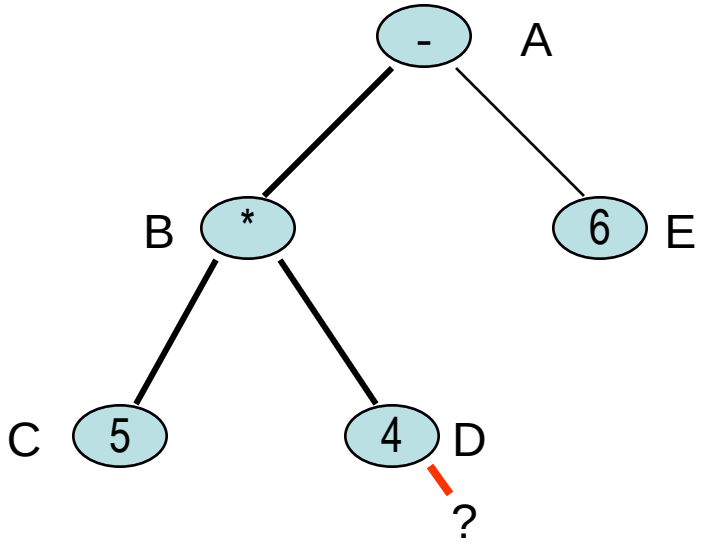
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(20)

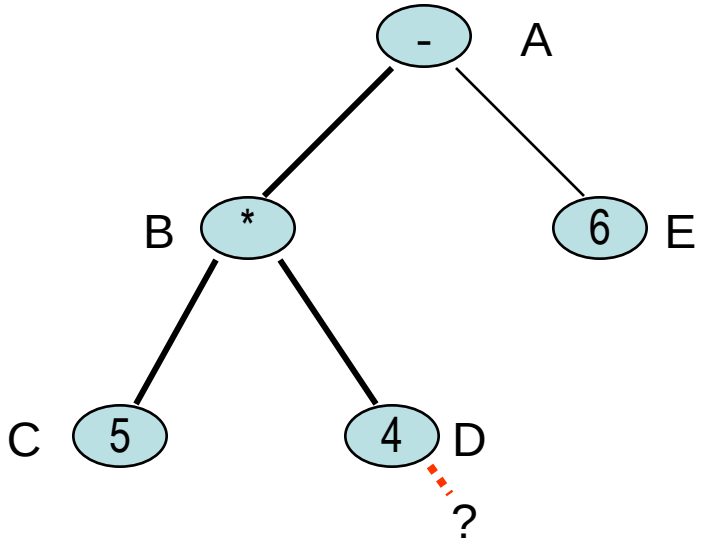
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(21)

universität wien

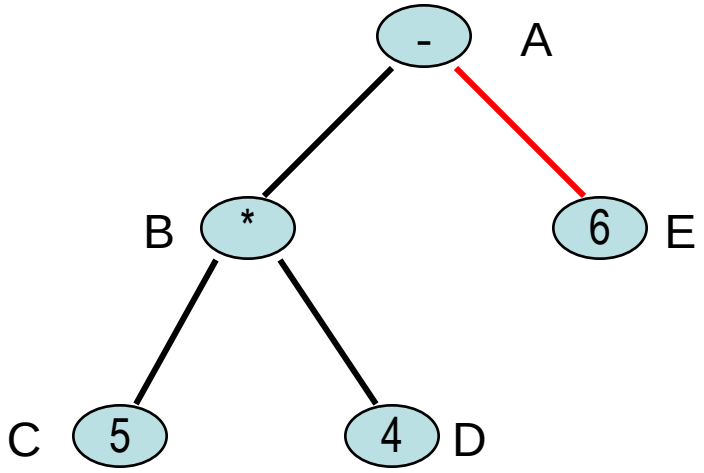
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(22)

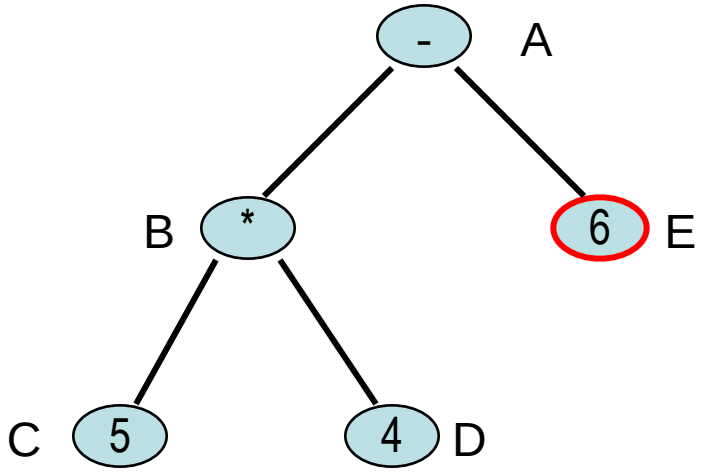
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D

Notation-Reihenfolge:

- * 5 4



Preorder Traversierung D(23)

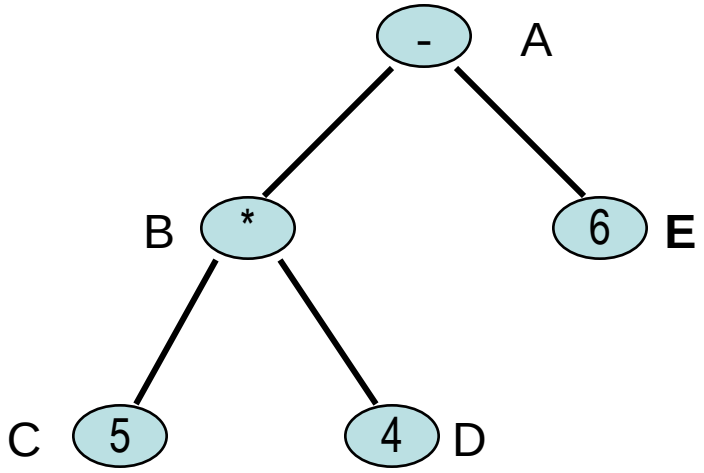
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D E

Notation-Reihenfolge:

- * 5 4 6



Preorder Traversierung D(24)

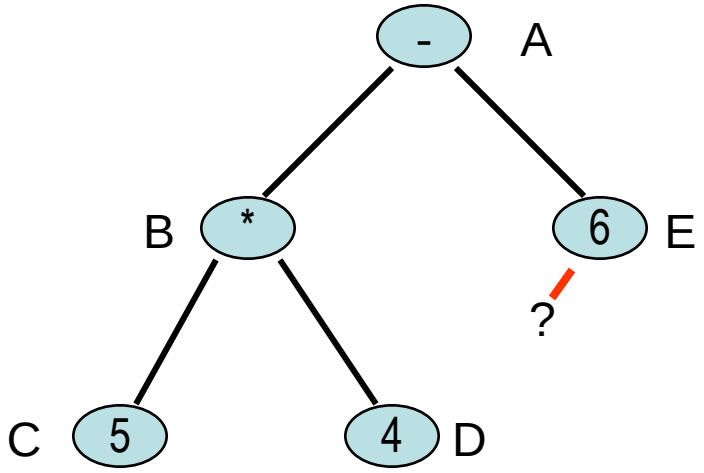
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D E

Notation-Reihenfolge:

- * 5 4 6



Preorder Traversierung D(25)

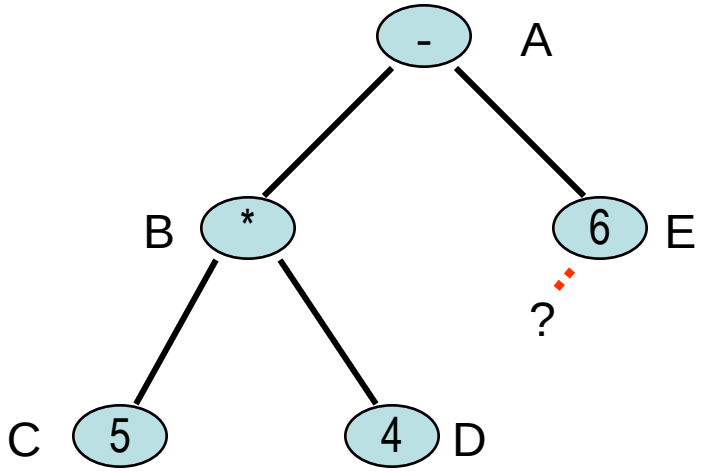
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D E

Notation-Reihenfolge:

- * 5 4 6



Preorder Traversierung D(26)

universität wien

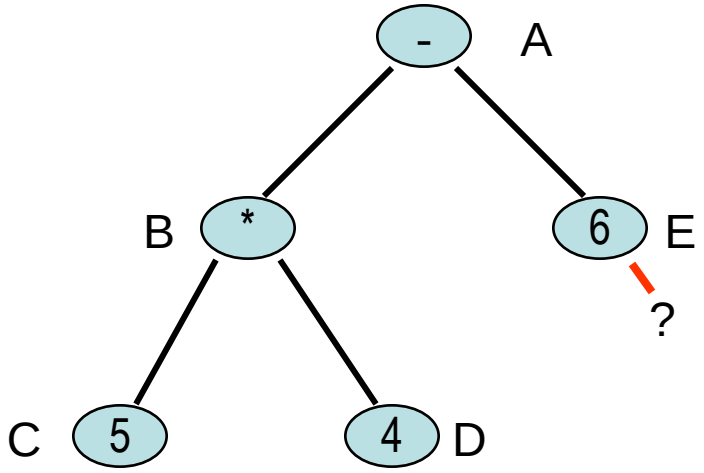
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D E

Notation-Reihenfolge:

- * 5 4 6



Preorder Traversierung D(27)

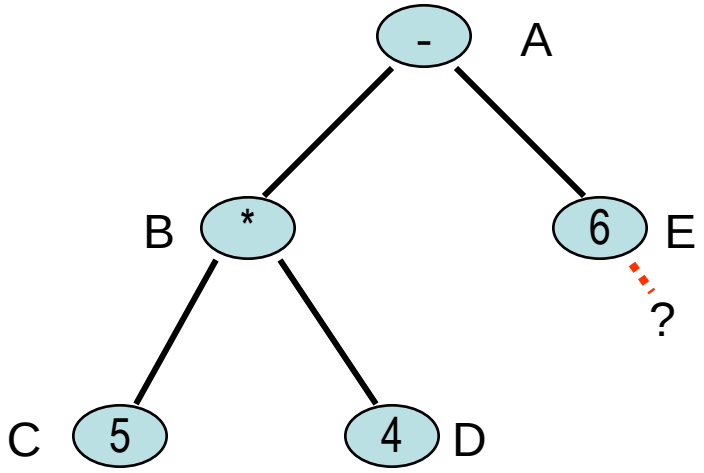
```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D E

Notation-Reihenfolge:

- * 5 4 6



Preorder Traversierung D(28)

```
preorder(node){
   if (node != 0)    {
      process(node);
      preorder(node -> left);
      preorder(node -> right);
   }
}
```

Process-Reihenfolge:

A B C D E

Notation-Reihenfolge:

- * 5 4 6