

This exmaple illistrates how much faster it is to count the number of children in the KenBox Example using the iterative vs the recursive methods.

300% faster

	Recursive	Iterative
Number of children	59	59
Execution time	388993	85325

Recursive

public int getNumberOfChildBoxesRecurse(KenBox box) if (box.containedBox is KenBox) return getNumberOfChildBoxesRecurse(box) + 1; } return 0; public int NumberOfContainedBoxesRecursive get return getNumberOfChildBoxesRecurse(this); }

Iterative

```
public int NumberOfContainedBoxesIterative
get
     int i = 0;
     KenBox child = this.containedBox;
     while (child is KenBox)
         i++;
         if (child.containedBox is KenBox) { child = child.
         else { child = null; }
     return i;
}
```

localhost:5000 1/1