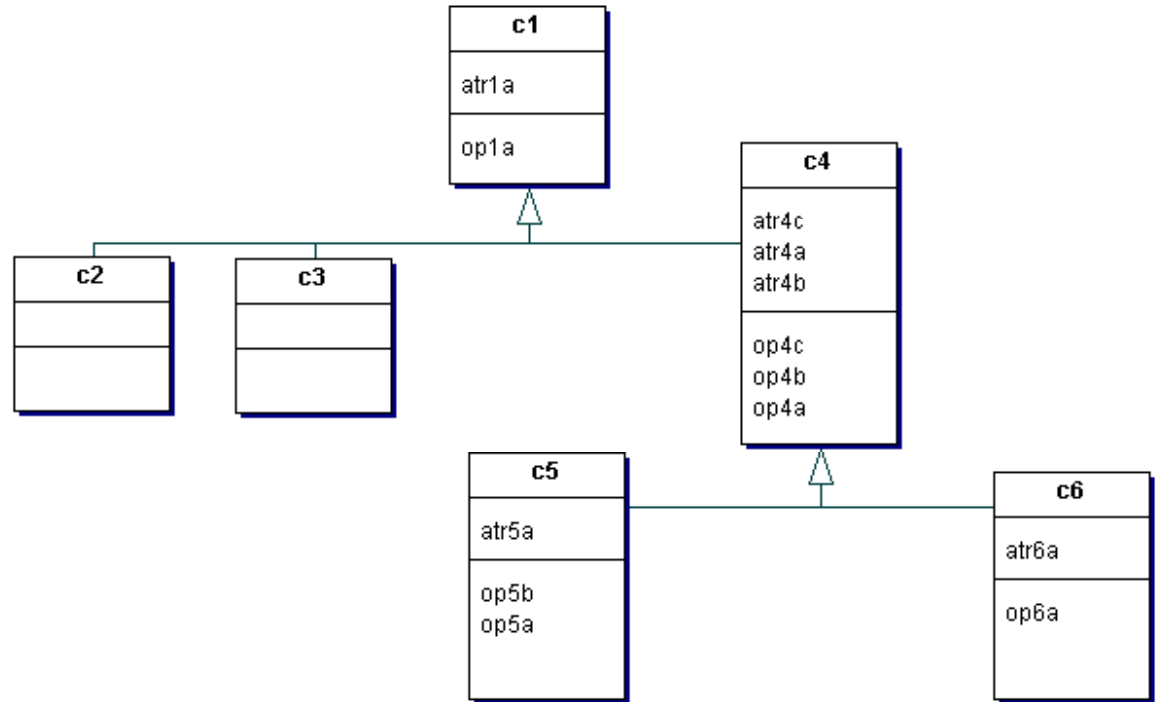


Example 1 -Compute for the classes in the following class diagram, metrics NOC and DIT.



Solution:

	c1	c2	c3	c4	c5	c6
NOC	3	0	0	2	0	0
DIT	0	1	1	1	2	2

Example 2 - Calculate the LCOM metric of the skeleton code shown below

```
/* Generated by Together */
```

```
package Metrics.Metrics1;
```

```
public class c4 extends c1 {  
    public void op4c() {  
        atr4a = 1;  
    }  

```

```
    public void op4b() {  
        atr4a = 2;  
        atr4b = 1;  
  
    }
```

```
    public void op4a() {  
        atr4a = 3;  
        atr4c = 1;  
    }
```

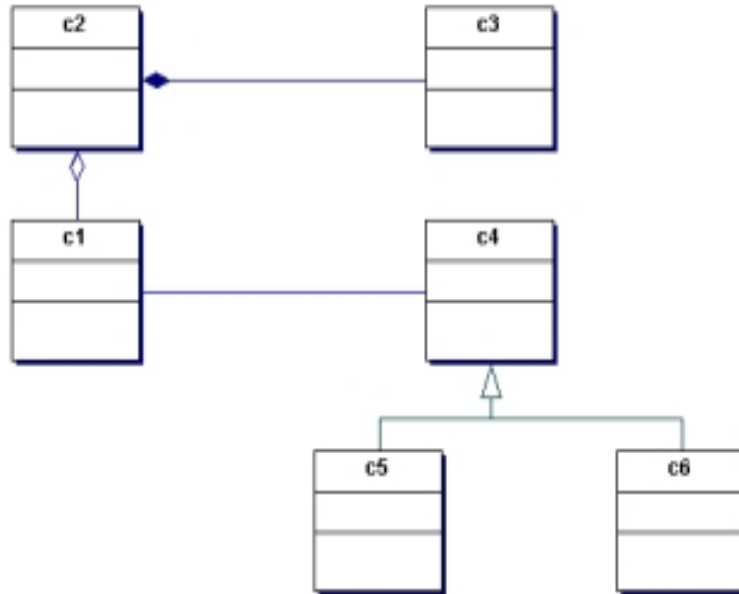
```
    private int atr4c;  
    private int atr4a;  
    private int atr4b;  
}
```

Solution:

$\#(\text{no common attr.}) - \#(\text{common attr}) = 0 - 3 = -3$

$\Rightarrow \text{LCOM}(c4)=0$

Example 3 -Compute the CBO for the classes in the following system?



```

public class c1 {
    private c4 lnkc4;
}
    
```

```

public class c2 {
    /**
     * @link aggregation
     * @undirected
     */
    private c1 lnkc1;

    /**
     * @link aggregationByValue
     */
    private c3 lnkc3;
}
    
```

```

public class c3 {
}
    
```

```

public class c4 {
}
    
```

```

public class c5 extends c4 {
}
    
```

```

public class c6 extends c4 {
}
    
```

Solution:

	c1	c2	c3	c4	c5	c6
CBO	1	2	0	0	0	0

