**Metriken:**

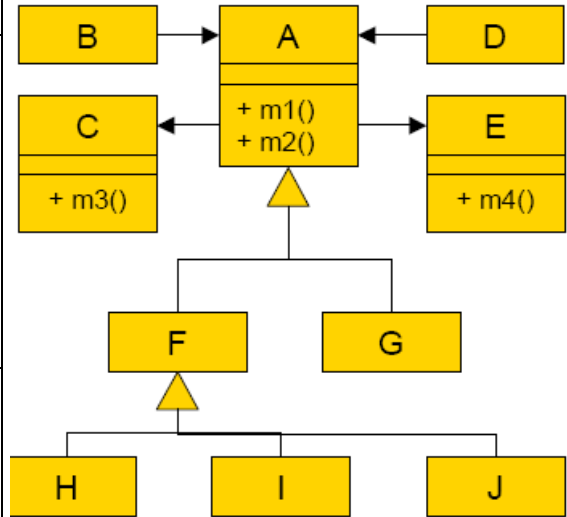| Metrik | Bedeutung | Beurteilung | public int CalcGGT(int a, int b) |
|---|---|---|---|
| | | | ```<br>{<br>  int gr = 0;<br>  int kl = 0;<br>  int ret = 1;<br>  if (a == b)<br>  {<br>    ret = a;<br>  }<br>  else<br>  {<br>    gr = a;<br>    kl = b;<br>    if (a < b)<br>    {<br>      kl = a;<br>      gr = b;<br>    }<br>    int i = gr / 2;<br>    while (i >= gr / kl)<br>    {<br>      if (gr % i == 0 && kl % i == 0)<br>      {<br>        ret = i;<br>        i=1;<br>      }<br>      i--;<br>    } //end while<br>  } //end else<br>  return ret;<br>}<br>``` |
| ….. | | | |

**OO-Metriken**

| Metrik | Bedeutung | Beurteilung | |
|--------|-----------|-------------|---|
| | | . |  |
| | | | |
| | | | ```
class A
{
  public void callB()
  {
    B b = new B();
    b.callC();
  }

  public void doNothingA() {
    ;
  }
}
``` |

| | | | |
|---|---|---|---|
| | | | ```
class B
{
  public void callC
  {
   C c = new C();
   c.doNothingC();
  }
}
class C
{
   public doNothingC()
   {
   ;
   }
}
``` |
| | | | ```
class LackOfCohesion2
{
  private int a;
  private int b;

  public void IncA()
  {
   a = a + 1;
  }
  public void IncB()
  {
   b = b + 1;
  }
  public int GetSum()
  {
   return a + b;
  }
}
``` |
| | | | |

```
gr = 0
kl = 0
ret = 1
```

```
a = b
```
WAHR     FALSCH

```
ret = a
```

```
gr = a
kl = b
```

```
a < b
```
WAHR     FALSCH

```
kl = a
gr = b
```

**2**

**1**

```
i = gr / 2
```

**3**

```
i >= gr / kl
```
WAHR     FALSCH

```
gr % i == 0
&& kl % i == 0
```
WAHR     FALSCH

```
ret = i
i = 1
```

**4**

```
i = i - 1
```

**5**

```
Ausgabe ret
```