INF 1050
UKEOPPGAVER 12: TESTING (WHITE-BOX TESTING)

Innledning: Her skal du bli kjent med noen testing-teknikker innen white-box testing. Du må bruke det du har lært på forelesningen for å løse disse oppgavene.

The following program computes the greatest common divisor of two natural numbers by Euclid's algorithm.

```
Begin
   input(x,y);
   While(x>0 and y>0) Do
      If (x>y)
          Then x:=x-y
          Else y:=y-x
      Endif
   Endwhile
   output(x+y);
End
```

Questions:
1. Build the corresponding control flow graph
2. Devise test sets (in the form of paths), and then test inputs (i.e., values for x and y) in order to achieve:
    a. statement coverage
    b. edge coverage
    c. condition coverage (notice anything special?)
    d. path coverage (beware of impossible paths!)

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