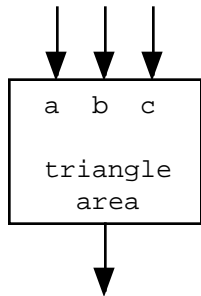


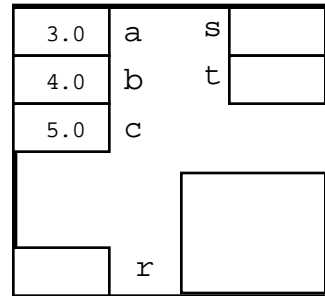
Many views of Methods (functions and Routines)

Functions first

DFD: Data Flow Diagram

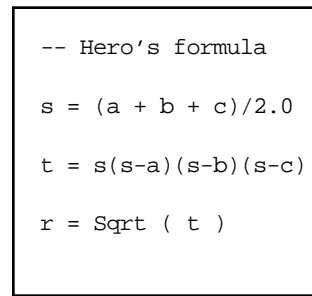


DSD: Data Space Diagram



`A = triArea (x,y,z)`

FBD: Flow Block Diagram

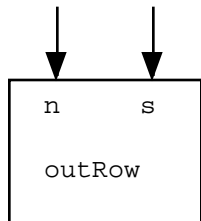


Definition code in JJ

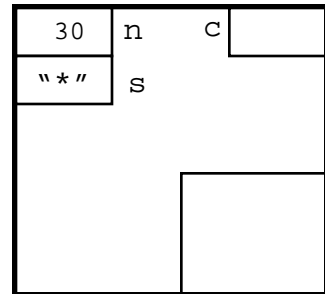
```
Function triArea (a,b,c)
  ofType real is public
  Slot a ofType real -- three
  Slot b ofType real -- sides of
  Slot c ofType real -- triangle
  Box result ofType real
  Boxes s, t ofType real
  -- Does use Hero's formula
  Set s = (a + b + c) / 2.0
  Set t = s*(s-a)*(s-b)*(s-c)
  Set result = Sqrt (t)
EndFunction triArea
```

Routines

DFD: Data Flow Diagram

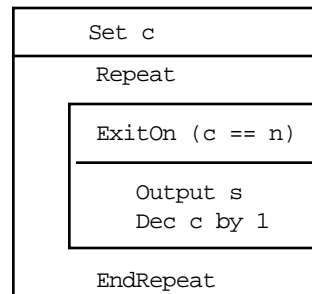


DSD: Data Space Diagram



Call `outRow` with `(b,c)`

FBD: Flow Block Diagram



Definition code in JJ

```
Routine outRow (times, mark)
  is public
  Slot times ofType int
  Slot mark ofClass Str
  Box count ofType int
  -- Does draw a row of marks
  Set count = 0
  Repeat
  ExitOn (count == times)
  Output mark
  Inc count by 1
  EndRepeat
EndRoutine outRow
```