

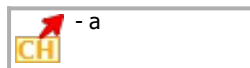
# Pi Calculation Parallel Processing

## Calculus I

This is one of the parallel processing files. Calculus I and Calculus II are files which do mathematical calculations of Pi - TT in parallel, therefore we get the results of Pi - TT twice as fast. The file which collects results from the Calculus I and Calculus II and sets up variables between the files is the Parallel processing master.

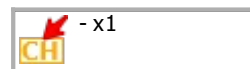
```
calcPi(npoints)
{
  1 circlePoints := 0
  for(i:=0 , i < npoints , i += 1)
  {
    1 xcord := randnum(-1 , 1)
    2 ycord := randnum(-1 , 1)
    2 if(xcord2 + ycord2 <= 1)
    3 {
      1 circlePoints += 1
    }
  }
  3 return(circlePoints)
}
```

**a := 0**  
a = 2000



Import number of points from main document

x1 := calcPi(a)  
x1 = 1561



Export number of  
points in the circle to  
Channel