set r [open distance.tr w]

set rs [open rss.tr w]

#\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DISTANCE CALCULATION\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*#

for {set i 0} {$i < $val(nn) } { incr i } {

puts "\n"

puts $r "\n"

for {set j 0} {$j < $val(nn) } { incr j } {

set dx [expr $xx($i) – $xx($j)]

set dy [expr $yy($i) – $yy($j)]

set dx2 [expr $dx \* $dx]

set dy2 [expr $dy \* $dy]

set h2 [expr $dx2 + $dy2]

set h($i-$j) [expr pow($h2, 0.5)]

puts "distance of node($i) from node($j) = $h($i-$j)"

puts $r "distance of node($i) from node($j) h($i-$j) = $h($i-$j)"

}

}

#\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* RSS CALCULATION FROM Node 0 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*#

set TransmitPower 0.281838

for {set i 1} {$i < 10} {incr i} {

set rss($i) [expr $TransmitPower/$h(0-$i)]

puts $rs "RSS at Node $i =$rss($i)"

}