set val(chan) Channel/WirelessChannel  
set val(prop) Propagation/TwoRayGround  
set val(netif) Phy/WirelessPhy  
set val(mac)          Mac/802\_11  
set val(ifq) CMUPriQueue  
set val(ll) LL  
set val(ant)  Antenna/OmniAntenna  
set val(x)      700  
set val(y)      700  
set val(ifqlen) 50  
set val(nn) 6  
set val(stop) 60.0  
set val(rp) DSR  
  
set ns\_ [new Simulator]  
set tracefd [open [dsr.tr](http://dsr.tr/) w]  
$ns\_ trace-all $tracefd  
  
set namtrace [open dsr.nam w]  
$ns\_ namtrace-all-wireless $namtrace $val(x) $val(y)  
  
set prop [new $val(prop)]  
  
set topo [new Topography]  
$topo load\_flatgrid $val(x) $val(y)  
  
set god\_ [create-god $val(nn)]  
  
$ns\_ node-config -adhocRouting $val(rp) \  
-llType $val(ll) \  
-macType $val(mac) \  
-ifqType $val(ifq) \  
-ifqLen $val(ifqlen) \  
-antType $val(ant) \  
-propType $val(prop) \  
-phyType $val(netif) \  
-channelType $val(chan) \  
-topoInstance $topo \  
-agentTrace ON \  
-routerTrace ON \  
-macTrace ON  
  
for {set i 0} {$i < $val(nn) } {incr i} {  
     set node\_($i) [$ns\_ node]  
     $node\_($i) random-motion 0  
}  
#Initial Positions of Nodes  
  
$node\_(0) set X\_ 150.0  
$node\_(0) set Y\_ 300.0  
$node\_(0) set Z\_ 0.0  
  
$node\_(1) set X\_ 300.0  
$node\_(1) set Y\_ 500.0  
$node\_(1) set Z\_ 0.0  
  
$node\_(2) set X\_ 500.0  
$node\_(2) set Y\_ 500.0  
$node\_(2) set Z\_ 0.0  
  
$node\_(3) set X\_ 300.0  
$node\_(3) set Y\_ 100.0  
$node\_(3) set Z\_ 0.0  
  
$node\_(4) set X\_ 500.0  
$node\_(4) set Y\_ 100.0  
$node\_(4) set Z\_ 0.0  
  
$node\_(5) set X\_ 650.0  
$node\_(5) set Y\_ 300.0  
$node\_(5) set Z\_ 0.0  
  
  
for {set i 0} {$i < $val(nn)} {incr i} {  
$ns\_ initial\_node\_pos $node\_($i) 40  
}  
  
#this is to move the node to change the path of the traffic  
#if it goes round round then it is the ack  
$ns\_ at 1.0 "$node\_(1) setdest 350.0 210.0 90.0"  
  
  
   set tcp0 [new Agent/TCP]  
      set sink0 [new Agent/TCPSink]  
   $ns\_ attach-agent $node\_(0) $tcp0  
       $ns\_ attach-agent $node\_(5) $sink0  
   $ns\_ connect $tcp0 $sink0  
   set ftp0 [new Application/FTP]  
   $ftp0 attach-agent $tcp0  
   $ns\_ at 0.5 "$ftp0 start"  
       $ns\_ at 20.0 "$ftp0 stop"  
  
for {set i 0} {$i < $val(nn) } {incr i} {  
    $ns\_ at $val(stop) "$node\_($i) reset";  
    }  
  
    $ns\_ at $val(stop) "puts \"NS EXITING...\" ; $ns\_ halt"  
exec nam dsr.nam &  
$ns\_ run  
  
puts "Starting Simulation..."