set val(chan) Channel/WirelessChannel  
set val(prop) Propagation/TwoRayGround  
set val(ant) Antenna/OmniAntenna  
set val(netif) Phy/WirelessPhy  
set val(mac) Mac/802\_11  
set val(ifq) Queue/DropTail/PriQueue  
set val(ll) LL  
set val(x) 500  
set val(y) 500  
set val(rp) AODV  
set val(nn) 3  
set val(stop) 50.0  
set val(ifqlen) 50  
  
set ns\_ [new Simulator]  
  
set tf [open [w1.tr](http://w1.tr/) w]  
$ns\_ trace-all $tf  
  
set nf [open ex3.nam w]  
$ns\_ namtrace-all-wireless $nf $val(x) $val(y)  
  
set prop [new $val(prop)]  
  
set topo [new Topography]  
$topo load\_flatgrid $val(x) $val(y)  
  
create-god $val(nn)  
  
#Node configuration  
$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  
}  
  
  
for {set i 0} {$i<$val(nn)} {incr i} {  
  
$ns\_ initial\_node\_pos $node\_($i) 20  
}  
  
$ns\_ at 5.0 "$node\_(1) setdest 2.0 2.0 50.0"  
$ns\_ at 1.5 "$node\_(0) setdest 20.0 18.0 50.0"  
$ns\_ at 7.0 "$node\_(1) setdest 100.0 100.0 50.0"  
$ns\_ at 7.0 "$node\_(2) setdest 300.0 300.0 50.0"  
  
#set traffic  
set tcp0 [new Agent/TCP]  
set sink0 [new Agent/TCPSink]  
$ns\_ attach-agent $node\_(0) $tcp0  
$ns\_ attach-agent $node\_(1) $sink0  
  
$ns\_ connect $tcp0 $sink0  
set ftp [new Application/FTP]  
$ftp attach-agent $tcp0  
  
for {set i 0} {$i<$val(nn)} {incr i} {  
$ns\_ at 11.0 "$node\_($i) reset"  
}  
  
$ns\_ at 0.4 "$ftp start"  
$ns\_ at 50.0 "$ftp stop"  
  
#$node\_(0) set X\_ 5.0  
#$node\_(0) set Y\_ 2.0  
#$node\_(0) set Z\_ 0.0  
  
#$node\_(1) set X\_ 390.0  
#$node\_(1) set Y\_ 385.0  
#$node\_(1) set Z\_ 0.0  
  
exec nam ex3.nam &  
  
 $ns\_ run