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## **ABP TRACE**

---- Network Simulator Version 2.3 -----

Enter the number of messages to simulate: 100

Packet loss probability [enter number between 0.0 and 1.0]: .5

Packet corruption probability [0.0 for no corruption]: .5

Packet out-of-order probability [0.0 for no out-of-order]: .5

Average time between messages from sender's layer5 [ > 0.0]: 1000

Enter Level of tracing desired: 1

Do you want actions randomized: (1 = yes, 0 = no)? 1

Do you want Bidirectional: (1 = yes, 0 = no)? 0

Input parameters:

Number of Messages = 100 Lost Packet Prob. = 0.500

Corrupt Packet Prob. = 0.500 Out Of Order Prob. = 0.500

Ave. time between messages = 1000.00 Trace level = 1

Randomize = 1 Bi-directional = 0

Simulator terminated at time 102088,511693

after receiving 100 msgs at layer5

Simulator Analysis:

Number of messages sent from 5 to 4: 100

Number of messages received at Layer 5, side A: 0

Number of messages received at Layer 5, side B: 100

Number of messages incorrectly received at layer 5: 0

Number of packets entering the network: 1278

Average number of packets already in network: 0.000

Number of packets that the network lost: 677

Number of packets that the network corrupted: 296

Number of packets that the network put out of order: 291

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Network Simulator Version
acket loss probability [enter number between 0.8 and 1.8]: .5
scket corruption probability [0.9 for no corruption]: .5
acket out-of-order probability [0.6 for no out-of-order]: .5
o you want Bidirectional: (1 - yes, 0 - no)7 8
nput parameters:
umber of Messages - 189 Lost Packet Prob. - 8.508
ve. time between messages - 1888.88 Trace level - 1
andomize - 1 Bi-directional - 8
       2671.9689.
                     Layer 4 to 5 Message - ##1.Qt9[IEh-Ps8[-Dg.
      3827 8969
                    Layer 4 to 5 Message - %kS%5jR:#109!nP8-g07
      3450.0071.
                    Layer 5 to 4
      4478.9595.
                                      Message = &}wq&e XRLF793.'-xrl
      5489 2735.
                    Layer 4 to 5 Message = '2=IT'kvSx:FQ|Bs-,7C
Layer 4 to 5 Message = (Eb-=Z(0SpxL1)Eb-=Zw
      5938.5179.
                    Layer 5 to 4 Message - dW(V'U&)%S$R2Q!P-0]N
      6792.8433.
      9931.0261.
      9984.8121.
     11414.2523.
                    Layer 4 to 5 Message = ,10;AFKPUZ,ejoty-6+8
Layer 5 to 4 Message = .DZq*AWn'=T-5:0h-7Ne
     11478.8574,
     13888.8984,
                    Layer 5 to 4 Message = .V-Iq;d.V-Iq.d.V-Iq;
Layer 4 to 5 Message = .V-Iq;d.V-Iq.d.V-Iq;
     14100.0474,
     14269.5388,
                    Layer 5 to 4 Message - x1E-Z6pL(b-w5x1E-Z6p
     14667 9886.
                    Layer 4 to 5 Message - x1E-Z6pL(b-w5x1E-Z6p
     15020 2550.
     15900.0729,
     17299.9648,
     18918.4102.
     18912.3024.
     19731.8854,
     28692.6914:
                    Layer 4 to 5 Message - 5zbI@u]D+pW>5kR9-7M5
     20598.8857.
                    Layer 5 to 4 Message = 6x(-wpibZSLE=6x(-wpi
     22343.0147,
                                      Message = d7LVaku!, 6AK2 | 1t-+57
                    Layer 5 to 4 Message = 8T8.Jf$7[w5Qm+Gc-<Xt
Layer 4 to 5 Message = 8T8.Jf$7[w5Qm+Gc-<Xt
     23364.2182.
    23496.4435.
                    Layer 5 to 4 Message = 9g093m6^ Z*W'TSQ-N{K
Layer 4 to 5 Message = 9g093m8^ Z*W'TSQ-N{K
     24309.6538,
     24318.8351,
                    Layer 5 to 4 Message = , -qd;I; -qdVI; -qdV
Layer 4 to 5 Message = ; -qd;I; -qdVI; -qdV
Layer 5 to 4 Message = <AEIMQ<Y*bfjnrvz-%)-
     26448,6135,
     26556.9816.
     27714.8957.
                     Layer 4 to 5 Message = <AEIMO<Y*bfinrvz-%)
     27719.6487.
                     Layer 5 to 4 Message - -f1-6Lb-xEZp(-31-6Lb
     28165.8656.
     29834.0361,
     38894.1764.
     31827.8928.
                    Layer 4 to 5 Message - 7x5,g8zU970|WZkF-Y4m
     31848.8853,
     32936.8637,
                    Layer 5 to 4 Message - A-wdP<)s LA%o[H4-kWD
     33439.0215.
                    Layer 5 to 4 Message = CRDq#28Gap!1CP'0-870
Layer 4 to 5 Message = 87~:97531x-8|'5#-|zx
     34131.8398.
     34324.5928.
rinting the contents of the Simulation Event Q
vent Time = 34372.249 A: Timer
vent Time = 34878.593 A: LAYER 5
rinting the contents of the Simulation Event Q
vent Time = 34878,593 A: LAYER 5
vent Time = 34878.593 A: LAYER 5
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inting the contents of the Simulation Event (

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minting the contents of the Simulation Event 0
 vent Time - 34878,593 A: LAYER 5
      34494.2986, Layer 4 to 5 Message - ERbq#280ap!1CP o-870
                      Layer 5 to 4 Message - De(I)-No2St7XD< -- Bc6
      34878.3928.
      34989.3987.
      37844.3828.
      37897.8019.
                      Layer 5 to 4 Message - Gf0.6(skcZR3893)Gvn1
      38213.5571.
      38424.2654.
      40195.9009.
      49169.2584.
      41157 6785.
                      Layer 4 to 5 Message = Id-;Vq.Id-;Vq.Id-;Iq
      41283.8457.
                      Layer 4 to 5 Message - 3vEq71:g5b8]+WGR-My3
      41499.7966.
                      Layer 5 to 4 Message = K+11|g6'eE%cC#aA- >
                      Layer 4 to 5 Message - K+11/gG'eEhcC#sA- >
                      Layer 5 to 4 Message - dPMVY] cfiloZux{-5'*
Layer 4 to 5 Message - dPMVY] cfiloZux{-5'*
      44283 2437
      44309.0028.
                      Layer 5 to 4 Message - NcwNCWl#7Lau,AUj-53
      45591 3628.
                      Layer 4 to 5 Message - NcwNCWl#7Lau,AUj-53
      47180.4526.
                      Layer 4 to 5 Message = Gu=dORxAgxU{0j2X-Gm5
Layer 4 to 5 Message = Pfb;sP' 8pJs[33G-X2]
      47883 9450.
                      Layer 3 to 4 Message = Q-(q|HQ|h5>*s J3-)UA
Layer 4 to 5 Message = Q-(q|HQ|h5>*s J3-)UA
Layer 5 to 4 Message = ROLIFC7R9638-*'5-(xu
      48976.8335.
      52876.5634,
                      Layer 4 to 5 Message - Sbp-x=L25w(6E5bp-x=L
      52892 9248.
                      Layer 5 to 4 Message - dt0VvBXx:Tz<2|> -Aae
      53182.2886.
                      Layer 4 to 5 Message - dt6Vv8Xx:Tz<Z|> -Aa#
      53891.3224,
                      Layer 5 to 4 Message = U|Z. 3e8j=UCtHyM-R&W
Layer 4 to 5 Message = U|Z. 3e8j=UCtHyM-R&W
      54520.3975,
                     Layer 5 to 4 Message = V;-dI.qV;-dV.qV;-dI.
Layer 4 to 5 Message = V;-dI.qV;-dV.qV;-dI.
Layer 5 to 4 Message = WNE;21}tkbX0W<3*-ulc
      54835,8434,
      55888,9739.
      55718.3468.
                      Layer 4 to 5 Message - WNE;2}}tkbXOW<3*-ulc
                      Layer 5 to 4 Message - XaiqyS,4<EMU*Xnv-)19
                     Layer 4 to 5 Message = Yfxlc BR1 Blu1Ye-:Th
Layer 5 to 4 Message = Z{S-LwEp=16bxZ{Z-LwE
Layer 4 to 5 Message = Z{S-LwEp=16bxZ{Z-LwE
      58860:6797.
                      Layer 5 to 4 Message - d:wV5rQ@mL+h2&cB["<y
      08524.8198;
                      Layer 4 to 5 Message = d:wV5rQ@mL+h2&cH["<y
      68918,2038,
                      Layer 5 to 4 Message = "bdfnjlnprtvxz|-#"
Layer 4 to 5 Message = "bdfnjlnprtvxz|-#"
      01988.2349.
      62869.2291.
                      Layer 3 to 4 Message = r(:0cv,75gz60wk-4H
Layer 3 to 4 Message = 'Lq8^3306(#Hm4Y-Fk2
Layer 4 to 5 Message = r(:0cv,75gz60wk-4H
      03135,0022,
      63246.2876.
                      Layer 5 to 4 Message - bLb-1S-(pZExwbL0-1S-
      64877.5572.
                      Layer 4 to 5 Message - map1:X1hAwP; BoH-WBg
      00093.8288,
                      Layer 5 to 4 Message - dfZcRN3FB=952-3%-zvi
      66484.5468.
      00912.0011.
      67886.4798, Layer 4 to 5 Message = dfZcRN3FB=952-3%-zvr
67260.3988, Layer 4 to 5 Message = dq-dIVdq-.:IVdq-.:I
Printing the contents of the Simulation Event Q
vent Time = 68274.386 A: LAYER 5
Printing the contents of the Simulation Event 0
Event Time = 68274.386 A: LAYER 5
Event Time = 67372.451 A: Timer
Event Time = 68274.386 A: LAYER 5
                      Layer 5 to 4 Message - f81;1>f8rEuHxK{N-Q$7
      68274.3858.
      68435.8496.
                      Layer 4 to 5 Message - f81;1>f8rEuHxK(N-QST
      78499.1445.
      78910.0983.
                      Layer 4 to 5 Message - h~SI>4*}ni T375+-tj
      71219.1550;
                                        Message = 1pw-(x6+E1SZb1pw-(x6
      72756.3828.
```

Layer 5 to 4 Message = nopgrstuvwxyz{n}-!#\$ Layer 4 to 5 Message = nopgrstuvwxyz{n}-!#\$ 79269.9858. Layer 5 to 4 Message = 0501[n#5HZm14GYd-3FX Layer 4 to 5 Message = 0501[n#5HZm14GYd-3FX 80580.2017, 88782.5647. 82627.6664. 82869.0783, Layer 5 to 4 Message = dI-V.d;qI-V.2;qI-q.d 83214.1714, Layer 5 to 4 Message = r[E.u\_HlxbK4[eN7-hr: 83493.4288, Layer 5 to 4 Message - snid YT03E7:58+6-yts Layer 3 to 4 Message = t#x, HTamy (4AMYfr-9F Layer 4 to 5 Message = dI-V.d;qI-V.2;qI-q.d 84721.2281, Layer 4 to 5 Message = t#x;HTamy[4AMYfr-9F 85199.3947, Layer 5 to 4 Message = uuSq10m.Kl)Ge%3a->]; 85668.3282, Layer 4 to 5 Message = uuSq10m.Kl)Ge%3a->]; 85038.3743, Layer 5 to 4 Message = wHvIxJyKzL{M|N}0-Fi0 86138.5450, Layer 4 to 5 Message = vHvIxJyKzL{M|N}0-Fi0 87282 0214, Layer 5 to 4 Message = wZ=wbE[iLxp50wZ=-bE[ 87291 3513, Layer 4 to 5 Message = wZ=wbE[iLxp50wZ=-bE[ 87616.5585, Layer 5 to 4 Message = dmbVx?4){peY2C7,-sh] 87721.9886, Layer 4 to 5 Message - dmbVx74){peY2C7,-sh] 88229.8022, 89084.3315. Layer 4 to 5 Message = z4Ld(5zej6Nf)70g-HPh 99375.0048. Layer 5 to 4 Message = {Gp;e8Y{NwCl7a,U-Js> 99437.5911. Layer 4 to 5 Message = {Gp;e8Y{NwCl7a,U-Js> 91928.3749, Layer 5 to 4 Message = |Y0gN+fC|Z7r0.g0-[8s 91326.9409, Layer 4 to 5 Message = |Y0gN+fC|Z7r0.g0-[8s 92397.4181, Layer 5 to 4 Message = -f0Ugx, =0a-6/731}1CT 92485.5184, Layer 4 to 5 Message = -f0Ugx,=0a-6/731}1CT 94894.0337, Layer 5 to 4 Message - | 3EVhy->Pbs'2J[m-2DU 94171 8523, Layer 4 to 5 Message = | 13EVNy. >Pbs '22[m-200 94478 8523, Layer 5 to 4 Message = ##1.Qt9]|Eh-Ps8|-Dg, 96986.3757, Layer 5 to 4 Message = %k5\\$jR:#1091hP8-g07 96219.3675, Layer 4 to 5 Message = \$X\$d:oFz0||3m>sJ-U,a 96587.7169, Layer 4 to 5 Message = %k5\\$jR:#1091hP8-g07 98584.5423, Layer 5 to 4 Message = '2=17'kv\$x:F0]hs-,7C 98956.4394, Layer 4 to 5 Message = '2=17'kv\$x:F0]hs-,7C 99537,3248, Layer 5 to 4 Message = (Eb-=Z(6SpxL1;Eb-=Zw 99541.8443, Layer 4 to 5 Message = (Eb-=Z(6SpxL1;Eb-=Zw Event Time = 101388.521 A: LAYER 5 Printing the contents of the Simulation Event Q Event Time = 101388.521 A: LAYER 5 Printing the contents of the Simulation Event Q Event Time = 101388.521 A: LAYER 5 event Time - 181388.521 A: LAYER 5 Printing the contents of the Simulation Event Q Event Time - 161388.521 A: LAYER 5 Event Time - 161388.521 A: LAYER 5 Printing the contents of the Simulation Event Q vent Time - 181388.521 A: LAYER 5 Frinting the contents of the Simulation Event O

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event 0

Event Time - 101388.521 A: LAYER 5

Event Time = 99837,325 A: Timer Event Time = 101388.521 A: LAYER 5