

1. No packet loss, corruption, or out-of-order packets**Number of Messages: 100****Lost Packet Prob.: 0.0****Corrupt Packet Prob.: 0.0****Out Of Order Prob.: 0.0****Ave. time between messages: 1000****Trace level: 1****Randomize: 1****Bi-directional: 0**

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A:      793.5638, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU
B:      821.1119, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU
A:     2221.0286, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B:     2229.7499, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A:     3068.4006, Layer 5 to 4 Message = $X$d:oFzQ()3h>sJ~U,a
B:     3091.3865, Layer 4 to 5 Message = $X$d:oFzQ()3h>sJ~U,a
A:     3400.9068, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
B:     3415.5586, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
A:     3736.9506, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl
B:     3752.5373, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
A:     4857.2971, Layer 5 to 4 Message = '2=IT'kv$x:FQ]hs~,7C
B:     4879.4977, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
A:     5466.2742, Layer 5 to 4 Message = (Eb~=Z(6SpxLi(Eb~=Zw
B:     5492.8786, Layer 4 to 5 Message = (Eb~=Z(6SpxLi(Eb~=Zw
A:     5853.7796, Layer 5 to 4 Message = dW(V'U&)%S$R2Q!P~O}N
B:     5864.1537, Layer 4 to 5 Message = dW(V'U&)%S$R2Q!P~O}N
A:     6071.5391, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%
B:     6089.3814, Layer 4 to 5 Message = *jL.nP2r*6vX:z]>~aC%
A:     6779.7636, Layer 5 to 4 Message = +fpdWK>2&+k_RF3~--rfY
B:     6788.8617, Layer 4 to 5 Message = +fpdWK>2&+k_RF3~--rfY
A:     8473.5228, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0
B:     8484.9123, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0
A:     8761.1786, Layer 5 to 4 Message = -DZq*AWn'=T-$.Qh~7Ne
B:     8782.2198, Layer 4 to 5 Message = -DZq*AWn'=T-$.Qh~7Ne

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A: 9509.2196, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
 B: 9514.8204, Layer 4 to Message = .V~Iq;d.V~Iq.d.V~Iq;
 A: 10790.0257, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p
 A: 10800.6499, Layer 5 to 4 Message = d{iVD1|jWE2}2X03~1YG
 B: 10801.9876, Layer 4 to 5 Message = xiE~Z6pL(b=wSxiE~Z6p
 B: 10847.3464, Layer 4 to 5 Message = d{iVD1|jWE2}2X03~1YG
 A: 10873.2590, Layer 5 to 4 Message = 10x.-,+)('&\$\$#1~}||{
 B: 10888.3251, Layer 4 to 5 Message = 10x.-,+)('&\$\$#1~}||{
 A: 11470.4823, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^n21BR
 B: 11489.4166, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^n21BR
 A: 12065.8108, Layer 5 to 4 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 B: 12082.7858, Layer 4 to 5 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 A: 13626.3889, Layer 5 to 4 Message = 4f=qGzP&Yxc8lB3K~T4^
 B: 13627.6010, Layer 4 to 5 Message = 4f=qGzP&Yxc8lB3K~T4^
 A: 13698.3723, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5
 B: 13710.6526, Layer 4 to 5 Message = 5zbI0u]D+pW>&kR9~fM5
 A: 13779.8970, Layer 5 to 4 Message = 6x(~wpibZSLE=6x(~wpi
 B: 13797.8226, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi
 A: 15176.4152, Layer 5 to 4 Message = d7LVaku!,6AK2`jt~+5?
 B: 15197.9022, Layer 4 to 5 Message = d7LVaku!,6AK2`jt~+5?
 A: 15977.3013, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 B: 15998.9908, Layer 4 to 5 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 A: 16239.7760, Layer 5 to 4 Message = 9g693a0^-Z*W'T\$Q~N{K
 B: 16269.4380, Layer 4 to 5 Message = 9g693a0^-Z*W'T\$Q~N{K
 A: 17414.5389, Layer 5 to 4 Message = :yZ;:[<[]=|^>}_?~`A!
 B: 17437.0146, Layer 4 to 5 Message = :yZ;:[<[]=|^>}_?~`A!
 A: 17700.9619, Layer 5 to 4 Message = ;.~qd;I;.~qdVI;.~qdV
 B: 17722.4318, Layer 4 to 5 Message = ;.~qd;I;.~qdVI;.~qdV
 A: 17750.4186, Layer 5 to 4 Message = <AEIMQ<Y^bfjnrVz~%)-
 B: 17781.0775, Layer 4 to 5 Message = <AEIMQ<Y^bfjnrVz~%)-
 A: 19222.5622, Layer 5 to 4 Message = =fi~6Lb=xEZp(=3i~6Lb
 B: 19229.6853, Layer 4 to 5 Message = =fi~6Lb=xEZp(=3i~6Lb
 A: 19795.7096, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8
 B: 19811.3516, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8
 A: 20493.3007, Layer 5 to 4 Message = ?xS.gBzU0?D|W2kF~Y4m
 B: 20520.5731, Layer 4 to 5 Message = ?xS.gBzU0?D|W2kF~Y4m

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A: 22088.6131, Layer 5 to 4 Message = A-wdP<)s`LA%o[H4~kWD
B: 22096.0432, Layer 4 to 5 Message = A-wdP<)s`LA%o[H4~kWD
A: 23510.4507, Layer 5 to 4 Message = B?=:97531x-B)'%#~|zx
B: 23524.9515, Layer 4 to 5 Message = B?=:97531x-B)'%#~|zx

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Printing the contents of the Simulation Event Q

Event Time = 23610.451 A: Timer

Event Time = 24508.496 A: LAYER 5

Printing the contents of the Simulation Event Q

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A: 24508.4956, Layer 5 to 4 Message = CRbq#2BQap!lCP`o~0?O

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Printing the contents of the Simulation Event Q

Event Time = 24608.496 A: Timer

Event Time = 25096.630 A: LAYER 5

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B: 24512.3749, Layer 4 to 5 Message = CRbq#2BQap!lCP`o~0?O
A: 25096.6295, Layer 5 to 4 Message = De(Ij-No2St7XD<^~Bc&
B: 25116.1320, Layer 4 to 5 Message = De(Ij-No2St7XD<^~Bc&
A: 25392.6912, Layer 5 to 4 Message = EwL~S(Zxb6i=pEEL~S(Z
B: 25396.8331, Layer 4 to 5 Message = EwL~S(Zxb6i=pEEL~S(Z
A: 27362.2487, Layer 5 to 4 Message = d,pV<#gM3w^D2nTF~eKl
B: 27384.0158, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eKl
A: 28543.8235, Layer 5 to 4 Message = Gf6.&{skcZRJB93)Gvnf
B: 28562.2340, Layer 4 to 5 Message = Gf6.&{skcZRJB93)Gvnf
A: 29883.5365, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<
B: 29900.1098, Layer 4 to 5 Message = HQZdmv!+4=GPYclu~H3<
A: 30187.9389, Layer 5 to 4 Message = Id~;Vq.Id~;Vq.Id~;Iq
B: 30193.2245, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq
A: 32155.5489, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ
B: 32180.1480, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ
A: 32877.4964, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~_|
B: 32895.3217, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~_|
A: 33015.2724, Layer 5 to 4 Message = LLx~pbSE6(wiZL=x~pbS

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B: 33037.9983, Layer 4 to 5 Message = Lx~pbSE6(wiZL=x~pbS
 A: 33681.9748, Layer 5 to 4 Message = dPMVY]`cfilo2ux{~\$'*
 A: 33692.8493, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_
 B: 33711.2191, Layer 4 to 5 Message = dPMVY]`cfilo2ux{~\$'*
 B: 33732.5167, Layer 4 to 5 Message = NcwNCWl#7Lau,AUj~5J_
 A: 33859.4638, Layer 5 to 4 Message = Ou=dORxAgxU{Dj2X~Gm5
 B: 33880.8380, Layer 4 to 5 Message = Ou=dORxAgxU{Dj2X~Gm5
 A: 34632.0813, Layer 5 to 4 Message = Pfb;sP'_8pJ\$[53G~X2j
 B: 34657.1120, Layer 4 to 5 Message = Pfb;sP'_8pJ\$[53G~X2j
 A: 35138.3663, Layer 5 to 4 Message = Q<(q)HQ|hS>*s_J5~jUA
 B: 35157.2713, Layer 4 to 5 Message = Q<(q)HQ|hS>*s_J5~jUA
 A: 35663.6691, Layer 5 to 4 Message = ROLIFC?R9630-*\$~{xu
 B: 35666.1769, Layer 4 to 5 Message = ROLIFC?R9630-*\$~{xu
 A: 36848.5484, Layer 5 to 4 Message = Sbp~x=LZSw(6ESbp~x=L
 B: 36866.7128, Layer 4 to 5 Message = Sbp~x=LZSw(6ESbp~x=L
 A: 37651.8919, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|>~Aa#
 B: 37672.1420, Layer 4 to 5 Message = dt6Vv8Xx:Tz<2|>~Aa#
 A: 38826.0501, Layer 5 to 4 Message = U)Z.`3e8j=UcTHyM~R&W
 B: 38829.1017, Layer 4 to 5 Message = U)Z.`3e8j=UcTHyM~R&W
 A: 40006.8896, Layer 5 to 4 Message = V;~dI.qV;~dV.qV;~dI.
 B: 40036.4401, Layer 4 to 5 Message = V;~dI.qV;~dV.qV;~dI.
 A: 41114.7506, Layer 5 to 4 Message = WNE;2)}tkbXOW<3*~ulc
 B: 41128.6418, Layer 4 to 5 Message = WNE;2)}tkbXOW<3*~ulc
 A: 42060.1075, Layer 5 to 4 Message = Xaiqy\$,4<EMU^Xnv~)19
 B: 42081.3422, Layer 4 to 5 Message = Xaiqy\$,4<EMU^Xnv~)19
 A: 42384.8602, Layer 5 to 4 Message = YfxIc|8Rl(B[u1Ye~:Tn
 B: 42407.6386, Layer 4 to 5 Message = YfxIc|8Rl(B[u1Ye~:Tn
 A: 42546.0906, Layer 5 to 4 Message = Z(S~LwEp=i6bxZ(Z~LwE
 B: 42568.2816, Layer 4 to 5 Message = Z(S~LwEp=i6bxZ(Z~LwE
 A: 43369.5165, Layer 5 to 4 Message = d:wV5rQ0mL+h2&cB[^<y
 B: 43391.0033, Layer 4 to 5 Message = d:wV5rQ0mL+h2&cB[^<y
 A: 44884.4482, Layer 5 to 4 Message =]M=.|m^N>x}n_O?0~]`P
 B: 44910.0052, Layer 4 to 5 Message =]M=.|m^N>x}n_O?0~]`P
 A: 45047.6507, Layer 5 to 4 Message = ^`bdfhjlnprtvxz|#^'
 B: 45067.4498, Layer 4 to 5 Message = ^`bdfhjlnprtvxz|#^'
 A: 45811.5013, Layer 5 to 4 Message = _r(;Ocv,?Sgz0DWk~4H_

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B: 45832.3350, Layer 4 to 5 Message = _r(;Ocv,?Sgz0DWk~4H_
A: 47345.1900, Layer 5 to 4 Message = `Lq8^%Jo6[#Hm4Y~Fk2
B: 47346.7234, Layer 4 to 5 Message = `Lq8^%Jo6[#Hm4Y~Fk2
A: 49211.8380, Layer 5 to 4 Message = aapI!XlhAwP)`8oH~W0g
B: 49218.0576, Layer 4 to 5 Message = aapI!XlhAwP)`8oH~W0g
A: 50457.4392, Layer 5 to 4 Message = bLb~iS=(pZExwbL6~iS=
B: 50473.6515, Layer 4 to 5 Message = bLb~iS=(pZExwbL6~iS=
A: 52094.6922, Layer 5 to 4 Message = dfZcRNJFB=952-3%~zvr
B: 52122.7232, Layer 4 to 5 Message = dfZcRNJFB=952-3%~zvr
A: 53577.6029, Layer 5 to 4 Message = dq~.dIVdq~.;IVdq~.;I
B: 53585.3870, Layer 4 to 5 Message = dq~.dIVdq~.;IVdq~.;I

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Printing the contents of the Simulation Event Q

Event Time = 53677.603 A: Timer

Event Time = 54712.822 A: LAYER 5

Printing the contents of the Simulation Event Q

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A: 54712.8215, Layer 5 to 4 Message = e&Ed%ec$Cb#Ba!A`~?_}
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Printing the contents of the Simulation Event Q

Event Time = 54812.822 A: Timer

Event Time = 56334.642 A: LAYER 5

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B: 54728.8198, Layer 4 to 5 Message = e&Ed%ec$Cb#Ba!A`~?_}
A: 56334.6422, Layer 5 to 4 Message = f8i;l>fBrEuHxK{N~Q$T
B: 56364.1789, Layer 4 to 5 Message = f8i;l>fBrEuHxK{N~Q$T
A: 57607.3800, Layer 5 to 4 Message = gKxqU9{gD(jN2tX<~cG+
B: 57625.6914, Layer 4 to 5 Message = gKxqU9{gD(jN2tX<~cG+
A: 59170.2998, Layer 5 to 4 Message = h^SI>4*}hi_TJ?5+~tj`
B: 59189.6198, Layer 4 to 5 Message = h^SI>4*}hi_TJ?5+~tj`
A: 60442.3256, Layer 5 to 4 Message = ipw~(x6=EiSZbipw~(x6
B: 60466.7295, Layer 4 to 5 Message = ipw~(x6=EiSZbipw~(x6
A: 61224.2544, Layer 5 to 4 Message = d%=Vo*C[txja24Mf~9Rk
B: 61255.2431, Layer 4 to 5 Message = d%=Vo*C[txja24Mf~9Rk

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A: 62399.1334, Layer 5 to 4 Message = k7b.X%OyFp<k3^*T~KuB
 B: 62401.6105, Layer 4 to 5 Message = k7b.X%OyFp<k3^*T~KuB
 A: 64102.2562, Layer 5 to 4 Message = lf(dB)[9uS1ml)3C~]:v
 B: 64128.2332, Layer 4 to 5 Message = lf(dB)[9uS1ml)3C~]:v
 A: 64185.6001, Layer 5 to 4 Message = m]L;+xhWG6&scmB1~n^M
 B: 64192.8796, Layer 4 to 5 Message = m]L;+xhWG6&scmB1~n^M
 A: 65078.1355, Layer 5 to 4 Message = nopqrstuvwxyz{n}~!#\$
 B: 65099.1900, Layer 4 to 5 Message = nopqrstuvwxyz{n}~!#\$
 A: 66521.6601, Layer 5 to 4 Message = o\$6I[n#5HZm!4GYo~3FX
 B: 66542.1008, Layer 4 to 5 Message = o\$6I[n#5HZm!4GYo~3FX
 A: 67678.2254, Layer 5 to 4 Message = p6Z~EixSw=b(Lp6ZpEix
 B: 67701.7785, Layer 4 to 5 Message = p6Z~EixSw=b(Lp6ZpEix
 A: 69412.4267, Layer 5 to 4 Message = dI~V.d;qI~V.2;qI~q.d
 B: 69423.8613, Layer 4 to 5 Message = dI~V.d;qI~V.2;qI~q.d
 A: 71042.1737, Layer 5 to 4 Message = r[E.u_H1xbK4{eN7~hr:
 B: 71066.9065, Layer 4 to 5 Message = r[E.u_H1xbK4{eN7~hr:
 A: 72592.9669, Layer 5 to 4 Message = snid_YTOJE?:50+&~yts
 B: 72617.7278, Layer 4 to 5 Message = snid_YTOJE?:50+&~yts
 A: 73172.7283, Layer 5 to 4 Message = t#x;HTamy(4AMYfr~-9F
 B: 73175.0275, Layer 4 to 5 Message = t#x;HTamy(4AMYfr~-9F
 A: 74790.1107, Layer 5 to 4 Message = uuSqlOm-Ki)Ge%3a~>]z
 B: 74816.5131, Layer 4 to 5 Message = uuSqlOm-Ki)Ge%3a~>]z
 A: 76235.3170, Layer 5 to 4 Message = vHvIxJyKzL{M|N}O~P!Q
 B: 76256.4059, Layer 4 to 5 Message = vHvIxJyKzL{M|N}O~P!Q
 A: 76892.0103, Layer 5 to 4 Message = wZ=wbE(iLxpS6wZ=~bE(
 B: 76917.5308, Layer 4 to 5 Message = wZ=wbE(iLxpS6wZ=~bE(
 A: 76949.0369, Layer 5 to 4 Message = dmbVx?4){peY2C7,~sh]
 B: 76979.6992, Layer 4 to 5 Message = dmbVx?4){peY2C7,~sh]
 A: 77644.2803, Layer 5 to 4 Message = y!(.4yAGMSY`flrx~'-3
 B: 77656.1345, Layer 4 to 5 Message = y!(.4yAGMSY`flrx~'-3
 A: 78888.5797, Layer 5 to 4 Message = z4Ld{5ze|6Nf}7Og~8Ph
 B: 78897.6289, Layer 4 to 5 Message = z4Ld{5ze|6Nf}7Og~8Ph
 A: 80164.8437, Layer 5 to 4 Message = {Gp;e0Y{NwCl7a,U~Js>
 B: 80166.5800, Layer 4 to 5 Message = {Gp;e0Y{NwCl7a,U~Js>
 A: 81382.0691, Layer 5 to 4 Message = |Y6qN+fC|Z7rO,gD~[8s
 B: 81401.6441, Layer 4 to 5 Message = |Y6qN+fC|Z7rO,gD~[8s

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A: 82938.2332, Layer 5 to 4 Message = }lZI7&raO},xgUD2~m[J
B: 82943.7478, Layer 4 to 5 Message = }lZI7&raO},xgUD2~m[J
A: 83096.4769, Layer 5 to 4 Message = ~fDUgx,=Oa~&7I3l}1CT
B: 83110.5281, Layer 4 to 5 Message = ~fDUgx,=Oa~&7I3l}1CT
A: 84101.6989, Layer 5 to 4 Message = !3EVhy->Pbs'2J[m~2DU
B: 84107.0249, Layer 4 to 5 Message = !3EVhy->Pbs'2J[m~2DU
A: 84666.5858, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 84696.8729, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A: 86550.9220, Layer 5 to 4 Message = $X$d:oFzQ()3h>sJ~U,a
B: 86552.6175, Layer 4 to 5 Message = $X$d:oFzQ()3h>sJ~U,a
A: 86849.3821, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
B: 86874.1315, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
A: 87184.5364, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl
B: 87191.6964, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
A: 88012.7591, Layer 5 to 4 Message = '2=IT'kv$x:FQ]hs~,7C
B: 88042.8413, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
A: 88177.6869, Layer 5 to 4 Message = (Eb~=Z(6SpxLi(Eb~=Zw
B: 88192.6532, Layer 4 to 5 Message = (Eb~=Z(6SpxLi(Eb~=Zw

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Printing the contents of the Simulation Event Q

Event Time = 88277.687 A: Timer

Event Time = 88771.988 A: LAYER 5

Printing the contents of the Simulation Event Q

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A: 88771.9883, Layer 5 to 4 Message = dW(V'U&)%S$R2Q!P~O}N
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Printing the contents of the Simulation Event Q

Event Time = 88871.988 A: Timer

Event Time = 88886.201 A: LAYER 5

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B: 88777.1307, Layer 4 to 5 Message = dW(V'U&)%S$R2Q!P~O}N
A: 88886.2007, Layer 5 to 4 Message = *fL.nP2r*6vX:z3>~aC%
B: 88888.8777, Layer 4 to 5 Message = *fL.nP2r*6vX:z3>~aC%

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Simulator terminated at time 88895.154529

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: 200

Average number of packets already in network: 0.000

Number of packets that the network lost: 0

Number of packets that the network corrupted: 0

Number of packets that the network put out of order: 0

2. High packet loss, low corruption, and out-of-order probabilities**Number of Messages: 100****Lost Packet Prob.: 0.8****Corrupt Packet Prob.: 0.2****Out Of Order Prob.: 0.2****Ave. time between messages: 1000****Trace level: 1****Randomize: 1****Bi-directional: 0**

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A:      605.2532, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU
B:      811.4150, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU
A:     1096.2138, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A:     1538.1719, Layer 5 to 4 Message = $X$d:oFzQ(]3h>sJ~U,a
A:     2832.8141, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
B:     2969.6399, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A:     4084.4627, Layer 5 to 4 Message = &}wq&e_XRLF?93-'~xrl
A:     5427.7191, Layer 5 to 4 Message = '2=IT'kv$x:FQ]hs~,7C
B:     6242.7893, Layer 4 to 5 Message = $X$d:oFzQ(]3h>sJ~U,a
A:     6578.4408, Layer 5 to 4 Message = (Eb~=Z(6SpxLi(Eb~=Zw
B:     7971.8797, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
A:     8230.8316, Layer 5 to 4 Message = dW(V'U&)%S$R2Q!P~O}N
A:    10094.0354, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%
A:    10277.6542, Layer 5 to 4 Message = +fpdWK>2&+k_RF3~~rfY
B:    10605.6267, Layer 4 to 5 Message = &}wq&e_XRLF?93-'~xrl
A:    10794.2964, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0
A:    11757.6765, Layer 5 to 4 Message = -DZq*AWn'=T-$.Qh~7Ne
B:    12648.0828, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
A:    12661.5325, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
A:    13521.9269, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p
A:    15451.2582, Layer 5 to 4 Message = d{iVD1|jWE2}2X03~lYG
A:    17375.2931, Layer 5 to 4 Message = 10x.-,+)('&%$#1~}|{
A:    17903.7283, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^n21BR
A:    19270.4933, Layer 5 to 4 Message = 3Uw;^!Df*Ln2Tv:]~3e)

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A: 20165.4039, Layer 5 to 4 Message = 4f=qGzP&Yxc8lB3K~T4^
 A: 20362.3998, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5
 B: 21332.7779, Layer 4 to 5 Message = (Eb~=Z(6SpXLi(Eb~=Zw
 A: 21883.1113, Layer 5 to 4 Message = 6x(~wpibZSLE=6x(~wpi
 B: 22657.2868, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N
 A: 23440.0188, Layer 5 to 4 Message = d7LVaku!,6AK2`jt~+5?
 B: 23909.8546, Layer 4 to 5 Message = *jL.nP2r*6vX:z]>~aC%
 A: 24373.6110, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 B: 25529.3150, Layer 4 to 5 Message = +fpdWK>2&+k_RF3~~rfY
 A: 25917.7545, Layer 5 to 4 Message = 9g693a0^-Z*W'T\$Q~N{K
 B: 26660.1186, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0
 A: 27826.5216, Layer 5 to 4 Message = :yZ;:[<[]=|^>}_?~`A!
 A: 28413.1660, Layer 5 to 4 Message = ;.~qd;I;.~qdVI;.~qdV
 A: 28809.4106, Layer 5 to 4 Message = <AEIMQ<Y^bfjnrzv~%)-
 A: 30286.2059, Layer 5 to 4 Message = =fi~6Lb=xEZp(=3i~6Lb
 A: 32057.9203, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8
 B: 32519.2728, Layer 4 to 5 Message = -DZq*AWn'=T-\$.Qh~7Ne
 A: 33792.2138, Layer 5 to 4 Message = ?xS.gBzU0?D|W2kF~Y4m
 A: 34873.8213, Layer 5 to 4 Message = A-wdP<)s`LA%o[H4~kWD
 B: 34922.9769, Layer 4 to 5 Message = .V~Iq;d.V~Iq.d.V~Iq;
 A: 35132.7584, Layer 5 to 4 Message = B?=:97531x~B)'%#~|zx
 B: 36650.3220, Layer 4 to 5 Message = xiE~Z6pL(b=wSxiE~Z6p
 A: 37059.4744, Layer 5 to 4 Message = CRbq#2BQap!1CP`o~0?O
 A: 37201.3303, Layer 5 to 4 Message = De(Ij-No2St7XD<^~Bc&
 A: 38410.3162, Layer 5 to 4 Message = EwL~S(Zxb6i=pEEL~S(Z
 A: 39877.6363, Layer 5 to 4 Message = d,pV<#gM3w^D2nTF~eK1
 A: 41539.4164, Layer 5 to 4 Message = Gf6.&{skcZRJB93)Gvnf
 A: 42238.1280, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<
 A: 44217.6253, Layer 5 to 4 Message = Id~;Vq.Id~;Vq.Id~;Iq
 A: 44643.1608, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ
 A: 45061.1435, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~>|
 B: 45279.1377, Layer 4 to 5 Message = d{iVD1|jWE2}2X03~1YG
 A: 45594.9376, Layer 5 to 4 Message = LLx~pbSE6(wiZL=x~pbS
 B: 46412.1968, Layer 4 to 5 Message = 10x.-,+)('&%\$#1~}|{|
 A: 46957.3651, Layer 5 to 4 Message = dPMVY]`cfilo2ux{~\$'*
 A: 48187.8333, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_

A: 48834.4758, Layer 5 to 4 Message = Ou=dORxAgxU{Dj2X~Gm5
 B: 49941.3732, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^n21BR
 A: 50698.0514, Layer 5 to 4 Message = Pfb;sP'_8pJ\$[53G~X2j
 B: 50783.6540, Layer 4 to 5 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 B: 51510.3128, Layer 4 to 5 Message = 4f=qGzP&Yxc8lB3K~T4^
 B: 52430.5905, Layer 4 to 5 Message = 5zbI0u]D+pW>&kR9~fM5
 A: 52593.6852, Layer 5 to 4 Message = Q<(q]HQ|hS>*s_J5~jUA
 A: 53047.5221, Layer 5 to 4 Message = ROLIFC?R9630-*'\$~{xu
 A: 54392.3771, Layer 5 to 4 Message = Sbp~x=LZSw(6ESbp~x=L
 B: 54755.6987, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi
 A: 54893.7086, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|>_~Aa#
 A: 55751.4895, Layer 5 to 4 Message = U)Z.`3e8j=UCtHyM~R&W
 A: 57363.1255, Layer 5 to 4 Message = V;~dI.qV;~dV.qV;~dI.
 B: 57492.2574, Layer 4 to 5 Message = d7LVaku!,6AK2`jt~+5?
 A: 57993.0993, Layer 5 to 4 Message = WNE;2)}tkbXOW<3*~ulc
 A: 59987.1089, Layer 5 to 4 Message = Xaiqy\$,4<EMU^Xnv~)19
 A: 60095.3630, Layer 5 to 4 Message = YfxIc|8Rl(B[ulYe~:Tn
 A: 60604.0302, Layer 5 to 4 Message = Z(S~LwEp=i6bxZ(Z~LwE
 A: 62082.2372, Layer 5 to 4 Message = d:wV5rQ0mL+h2&cB[^<y
 A: 62675.2976, Layer 5 to 4 Message =]M=.|m^N>x)n_O?0~]`P
 A: 62980.8829, Layer 5 to 4 Message = ^`bdfhjlnprtvxz|#^'
 A: 63201.4808, Layer 5 to 4 Message = _r(;Ocv,?Sgz0DWk~4H_
 A: 63947.6559, Layer 5 to 4 Message = `Lq8^%Jo6[#Hm4Y~Fk2
 A: 64676.8600, Layer 5 to 4 Message = aapI!XlhAwP)`8oH~W0g
 A: 65548.0072, Layer 5 to 4 Message = bLb~iS=(pZExwbL6~iS=
 A: 66760.9673, Layer 5 to 4 Message = dfZcRNJFB=952-3%~zv
 A: 66794.0554, Layer 5 to 4 Message = dq~.dIVdq~.;IVdq~.;I
 A: 66906.0835, Layer 5 to 4 Message = e&Ed%ec\$Cb#Ba!A`~?_}
 B: 66931.5617, Layer 4 to 5 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 A: 68778.6169, Layer 5 to 4 Message = f8i;l>fBrEuHxK{N~Q\$T
 A: 69303.3410, Layer 5 to 4 Message = gKxqU9{gD(jN2tX<~cG+
 A: 69572.8931, Layer 5 to 4 Message = h^SI>4*}hi_TJ?5+~tj`
 A: 71038.9347, Layer 5 to 4 Message = ipw~(x6=EiSZbipw~(x6
 A: 72027.0986, Layer 5 to 4 Message = d%=Vo*C[txja24Mf~9Rk
 A: 72275.0050, Layer 5 to 4 Message = k7b.X%OyFp<k3^*T~KuB
 A: 73095.6323, Layer 5 to 4 Message = lf(dB)[9uS1ml]3C~]:v

A: 74156.0069, Layer 5 to 4 Message = m]L;+xhWG6&scmBl~n^M
 A: 75702.2876, Layer 5 to 4 Message = nopqrstuvwxyz{n}~!#\$
 B: 75785.8083, Layer 4 to 5 Message = 9g693a0^-Z*W'T\$Q~N{K
 A: 77340.5112, Layer 5 to 4 Message = o\$6I[n#5HZm!4GYo~3FX
 A: 78152.4626, Layer 5 to 4 Message = p6Z~EixSw=b(Lp6ZpEix
 A: 78157.1329, Layer 5 to 4 Message = dI~V.d;qI~V.2;qI~q.d
 B: 78624.2100, Layer 4 to 5 Message = :yZ;:[<[|=|^>}_?~`A!
 A: 78651.8756, Layer 5 to 4 Message = r[E.u_H1xbK4{eN7~hr:
 A: 79448.3299, Layer 5 to 4 Message = snid_YTOJE?:50+&~yts
 B: 79642.9968, Layer 4 to 5 Message = ;.~qd;I;.~qdVI;.~qdV
 A: 81057.9337, Layer 5 to 4 Message = t#x;HTamy(4AMYfr~-9F
 B: 82395.3970, Layer 4 to 5 Message = <AEIMQ<Y^bfjnrVz~%)~
 A: 82564.8913, Layer 5 to 4 Message = uuSqlOm-Ki)Ge%3a~>]z
 A: 84363.5275, Layer 5 to 4 Message = vHvIxJyKzL{M|N}O~P!Q
 A: 84809.5562, Layer 5 to 4 Message = wZ=wbE(iLxpS6wZ=~bE(
 A: 85472.8448, Layer 5 to 4 Message = dmbVx?4){peY2C7,~sh]
 B: 86352.8958, Layer 4 to 5 Message = =fi~6Lb=xEZp(=3i~6Lb
 A: 86505.0045, Layer 5 to 4 Message = y!(.4yAGMSY`flrx~'-3
 A: 87261.3424, Layer 5 to 4 Message = z4Ld{5ze|6Nf}7Og~8Ph
 A: 88320.7988, Layer 5 to 4 Message = {Gp;eOY{NwCl7a,U~Js>
 A: 89806.5239, Layer 5 to 4 Message = |Y6qN+fC|Z7rO,gD~[8s
 A: 91609.6360, Layer 5 to 4 Message = }lZI7&raO},xgUD2~m[J
 A: 92340.6855, Layer 5 to 4 Message = ~fDUgx,=Oa~&7I3l}1CT
 B: 93060.0964, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8
 A: 94142.4136, Layer 5 to 4 Message = !3EVhy->Pbs'2J[m~2DU
 A: 94506.7477, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
 A: 95325.3681, Layer 5 to 4 Message = \$X\$d:oFzQ{)3h>sJ~U,a
 A: 95417.8740, Layer 5 to 4 Message = %kS%\$jR:#iQ9!hP8~gO7
 B: 95483.6241, Layer 4 to 5 Message = ?xS.gBzU0?D|W2kF~Y4m
 A: 96619.9782, Layer 5 to 4 Message = &}wq&e_XRLF?93-'~xrl
 A: 97711.3516, Layer 5 to 4 Message = '2=IT'kv\$x:FQ]hs~,7C
 B: 98127.6415, Layer 4 to 5 Message = A~wdP<)s`LA%o[H4~kWD
 A: 98249.9115, Layer 5 to 4 Message = (Eb~=Z(6SpXLi(Eb~=Zw
 A: 99371.1809, Layer 5 to 4 Message = dW(V'U&)%S\$R2Q!P~O}N
 B: 100176.2067, Layer 4 to 5 Message = B?=:97531x-B)'%#~|zx

Printing the contents of the Simulation Event Q

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100345.215 A: Timer

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100799.479 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100845.215 A: Timer

A: 100799.4793, Layer 5 to 4 Message = *fL.nP2r*6vX:z3>~aC%

Printing the contents of the Simulation Event Q

Event Time = 100909.328 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100945.215 A: Timer

A: 100909.3276, Layer 5 to 4 Message = +|pdWK>2&+k_RF9~~rfY

Printing the contents of the Simulation Event Q

Event Time = 101023.191 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 101023.191 A: LAYER 5

Event Time = 101045.215 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 101045.215 A: Timer

A: 101023.1906, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 101545.215 A: Timer

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 101545.215 A: Timer

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 103009.765 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 102296.032 A: Timer

Event Time = 103009.765 A: LAYER 5

B: 102219.4694, Layer 4 to 5 Message = CRbq#2BQap!lCP`o~0?O
 B: 102526.7400, Layer 4 to 5 Message = De(Ij-No2St7XD<^~Bc&
 A: 103009.7646, Layer 5 to 4 Message = -DZq*AWn'=T-\$.Qh~7Ne
 B: 103051.2198, Layer 4 to 5 Message = EwL~S(Zxb6i=pEEL~S(Z
 A: 103314.0351, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
 A: 103650.3994, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p
 B: 104488.9328, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eK1
 B: 105203.8259, Layer 4 to 5 Message = Gf6.&{skcZRJB93)Gvnf
 B: 114734.8375, Layer 4 to 5 Message = HQZdmv!+4=GPYclu~H3<
 B: 123149.5589, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq
 B: 125789.9409, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ
 B: 138418.0307, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~_>|
 B: 144984.4826, Layer 4 to 5 Message = LLx~pbSE6(wizL=x~pbS
 B: 149113.4924, Layer 4 to 5 Message = dPMVY]`cfilo2ux{~\$'*
 B: 149921.5007, Layer 4 to 5 Message = NcwNCWl#7Lau,AUj~5J_
 B: 151771.7047, Layer 4 to 5 Message = Ou=dORxAgxU{Dj2X~Gm5
 B: 152501.9664, Layer 4 to 5 Message = Pfb;sP'_8pJ\$[53G~X2j
 B: 156624.1951, Layer 4 to 5 Message = Q<(q]HQ|hS>*s_J5~jUA
 B: 156769.1733, Layer 4 to 5 Message = ROLIFC?R9630-*'\$~{xu
 B: 159636.2681, Layer 4 to 5 Message = Sbp~x=LZSw(6ESbp~x=L
 B: 161259.8625, Layer 4 to 5 Message = dt6Vv8Xx:Tz<2|>~Aa#
 B: 167126.8853, Layer 4 to 5 Message = U)Z.`3e8j=UCtHyM~R&W
 B: 170355.3765, Layer 4 to 5 Message = V;~dI.qV;~dV.qV;~dI.
 B: 170565.2635, Layer 4 to 5 Message = WNE;2)}tkbXOW<3*~ulc
 B: 175025.6465, Layer 4 to 5 Message = Xaiqy\$,4<EMU^Xnv~)19


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B: 177033.8483, Layer 4 to 5 Message = YfxIc|8Rl(B[u1Ye~:Tn
B: 179591.4557, Layer 4 to 5 Message = Z(S~LwEp=i6bxZ(Z~LwE
B: 182702.7988, Layer 4 to 5 Message = d:wV5rQ0mL+h2&cB[^<y
B: 186161.9017, Layer 4 to 5 Message = ]M=.|m^N>x}n_O?0~]`P
B: 190485.8554, Layer 4 to 5 Message = ^`bdfhjlnprtvxz|~#^'
B: 192618.9321, Layer 4 to 5 Message = _r(;Ocv,?Sgz0DWk~4H_
B: 197410.0144, Layer 4 to 5 Message = ` 'Lq8^%Jo6[#Hm4Y~Fk2
B: 199240.3001, Layer 4 to 5 Message = aapI!XlhAwP)`8oH~W0g
B: 200062.9655, Layer 4 to 5 Message = bLb~iS=(pZExwbL6~iS=
B: 200089.0489, Layer 4 to 5 Message = dfZcRNJFB=952-3%~zvr
B: 202215.1272, Layer 4 to 5 Message = dq~.dIVdq~.;IVdq~.;I

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Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

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Event Time = 202888.717 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 202888.717 A: Timer

Printing the contents of the Simulation Event Q

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Printing the contents of the Simulation Event Q

Event Time = 203205.566 A: Timer

B: 203112.7351, Layer 4 to 5 Message = e&Ed%ec\$Cb#Ba!A`~?_}

B: 214897.2003, Layer 4 to 5 Message = f8i;l>fBrEuHxK{N~Q\$T

B: 216123.5740, Layer 4 to 5 Message = gKxqU9{gD(jN2tX<~cG+

B: 224007.2998, Layer 4 to 5 Message = h^SI>4*}hi_TJ?5+~tj`

B: 225610.9947, Layer 4 to 5 Message = ipw~(x6=EiSZbipw~(x6

B: 228221.3784, Layer 4 to 5 Message = d%=Vo*C[txja24Mf~9Rk

B: 234356.0785, Layer 4 to 5 Message = k7b.X%OyFp<k3^*T~KuB

B: 235390.7769, Layer 4 to 5 Message = lf(dB)[9uS1ml)3C~]:v

B: 237029.1932, Layer 4 to 5 Message = m]L;+xhWG6&scmB1~n^M

B: 237864.1711, Layer 4 to 5 Message = nopqrstuvwxyz{n}~!#\$

B: 248951.7902, Layer 4 to 5 Message = o\$6I[n#5HZm!4GYo~3FX

B: 250620.3723, Layer 4 to 5 Message = p6Z~EixSw=b(Lp6ZpEix

B: 250677.3869, Layer 4 to 5 Message = dI~V.d;qI~V.2;qI~q.d

B: 251804.2269, Layer 4 to 5 Message = r[E.u_H1xbK4{eN7~hr:

B: 258208.1237, Layer 4 to 5 Message = snid_YTOJE?:50+&~yts

B: 258641.8071, Layer 4 to 5 Message = t#x;HTAmy(4AMYfr~-9F

B: 263179.9824, Layer 4 to 5 Message = uuSqlOm-Ki)Ge%3a~>]z

B: 265389.8819, Layer 4 to 5 Message = vHvIxJyKzL{M|N}O~P!Q

B: 268701.5818, Layer 4 to 5 Message = wZ=wBE(iLxpS6wZ=~bE(

B: 269756.8066, Layer 4 to 5 Message = dmbVx?4){peY2C7,~sh]

B: 271292.6331, Layer 4 to 5 Message = y!(.4yAGMSY`flrx~'-3

B: 279664.1352, Layer 4 to 5 Message = z4Ld{5ze|6Nf}7Og~8Ph

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B: 282178.3239, Layer 4 to 5 Message = {Gp;e0Y{NwCl7a,U~Js>
B: 283377.7671, Layer 4 to 5 Message = |Y6qN+fC|Z7rO,gD~[8s
B: 284008.6965, Layer 4 to 5 Message = }lZI7&raO},xgUD2~m[J
B: 285617.6250, Layer 4 to 5 Message = ~fDUgx,=Oa~&7I3l}1CT
B: 292787.5851, Layer 4 to 5 Message = !3EVhy->Pbs'2J[m~2DU
B: 294408.2446, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 301827.8124, Layer 4 to 5 Message = $X$d:oFzQ{]3h>sJ~U,a
B: 309830.6184, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
B: 311970.9188, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
B: 313092.3209, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
B: 315921.4879, Layer 4 to 5 Message = (Eb~=Z(6SpxLi(Eb~=Zw

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Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Event Time = 316107.423 A: Timer

Printing the contents of the Simulation Event Q

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Event Time = 317007.423 A: Timer

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Event Time = 317007.423 A: Timer

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Event Time = 317225.552 A: Timer

B: 317149.1527, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N

B: 319185.7741, Layer 4 to 5 Message = *fL.nP2r*6vX:z3>~aC%

Simulator terminated at time 319260.562278

after receiving 100 msgs at layer5

Simulator Analysis:

Number of messages sent from 5 to 4: 104

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: 3937
Average number of packets already in network: 0.000
Number of packets that the network lost: 3152
Number of packets that the network corrupted: 159
Number of packets that the network put out of order: 143

3. Low packet loss, high corruption, and out-of-order probabilities**Number of Messages: 100****Lost Packet Prob.: 0.2****Corrupt Packet Prob.: 0.8****Out Of Order Prob.: 0.8****Ave. time between messages: 1000****Trace level: 1****Randomize: 1****Bi-directional: 0**

```

A: 1871.1091, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU
B: 2276.2500, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU
A: 3602.0659, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 4139.7819, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A: 4393.6162, Layer 5 to 4 Message = $X$d:oFzQ()3h>sJ~U,a
B: 4593.4620, Layer 4 to 5 Message = $X$d:oFzQ()3h>sJ~U,a
A: 5559.3946, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
B: 5918.2342, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
A: 6122.1704, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl
B: 6605.7206, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
A: 7448.5753, Layer 5 to 4 Message = '2=IT'kv$x:FQ]hs~,7C
B: 7500.6262, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
A: 7693.2302, Layer 5 to 4 Message = (Eb~=Z(6SpxLi(Eb~=Zw
B: 7970.0695, Layer 4 to 5 Message = (Eb~=Z(6SpxLi(Eb~=Zw
A: 8123.1229, Layer 5 to 4 Message = dW(V'U&)%S$R2Q!P~O}N
A: 8407.8746, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%
B: 8481.4939, Layer 4 to 5 Message = dW(V'U&)%S$R2Q!P~O}N
A: 9175.2921, Layer 5 to 4 Message = +fpdWK>2&+k_RF3~~rfY
B: 9261.7329, Layer 4 to 5 Message = *jL.nP2r*6vX:z]>~aC%
B: 9556.4681, Layer 4 to 5 Message = +fpdWK>2&+k_RF3~~rfY
A: 10442.3657, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0
B: 11194.2310, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0
A: 11603.5736, Layer 5 to 4 Message = -DZq*AWn'=T-$.Qh~7Ne
B: 11862.1096, Layer 4 to 5 Message = -DZq*AWn'=T-$.Qh~7Ne

```

A: 12172.3255, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
 A: 12614.8118, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p
 B: 13035.5425, Layer 4 to 5 Message = .V~Iq;d.V~Iq.d.V~Iq;
 A: 13505.9125, Layer 5 to 4 Message = d{iVD1|jWE2}2X03~lYG
 B: 13614.5931, Layer 4 to 5 Message = xiE~Z6pL(b=wSxiE~Z6p
 A: 13879.4320, Layer 5 to 4 Message = 10x.-,+*)('&\$\$#1~}||{
 B: 14426.3761, Layer 4 to 5 Message = d{iVD1|jWE2}2X03~lYG
 B: 14769.0692, Layer 4 to 5 Message = 10x.-,+*)('&\$\$#1~}||{
 A: 15392.3715, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^n21BR
 B: 15416.7799, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^n21BR
 A: 16540.3165, Layer 5 to 4 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 B: 16673.6889, Layer 4 to 5 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 A: 17918.7863, Layer 5 to 4 Message = 4f=qGzP&Yxc8lB3K~T4^
 B: 17983.8274, Layer 4 to 5 Message = 4f=qGzP&Yxc8lB3K~T4^
 A: 19190.5723, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5
 A: 19292.4719, Layer 5 to 4 Message = 6x(~wpibZSLE=6x(~wpi
 B: 19292.4932, Layer 4 to 5 Message = 5zbI0u]D+pW>&kR9~fM5
 B: 19808.2738, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi
 A: 20654.7599, Layer 5 to 4 Message = d7LVaku!,6AK2`jt~+5?
 B: 20681.9888, Layer 4 to 5 Message = d7LVaku!,6AK2`jt~+5?
 A: 21763.0685, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 B: 21897.8609, Layer 4 to 5 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 A: 22146.0750, Layer 5 to 4 Message = 9g693a0^-Z*W'T\$Q~N{K
 B: 22293.0900, Layer 4 to 5 Message = 9g693a0^-Z*W'T\$Q~N{K
 A: 22571.3817, Layer 5 to 4 Message = :yZ;:[<{]=|^>}_?~`A!
 B: 23071.2441, Layer 4 to 5 Message = :yZ;:[<{]=|^>}_?~`A!
 A: 23664.6283, Layer 5 to 4 Message = ;.~qd;I;.~qdVI;.~qdV
 B: 23836.3789, Layer 4 to 5 Message = ;.~qd;I;.~qdVI;.~qdV
 A: 24282.9357, Layer 5 to 4 Message = <AEIMQ<Y^bfjnrVz~%)-
 B: 24321.8189, Layer 4 to 5 Message = <AEIMQ<Y^bfjnrVz~%)-
 A: 24693.7439, Layer 5 to 4 Message = =fi~6Lb=xEZp(=3i~6Lb
 B: 25259.6903, Layer 4 to 5 Message = =fi~6Lb=xEZp(=3i~6Lb
 A: 26375.1119, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8
 B: 26878.7290, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8
 A: 27346.0591, Layer 5 to 4 Message = ?xS.gBzU0?D|W2kF~Y4m
 B: 27581.7685, Layer 4 to 5 Message = ?xS.gBzU0?D|W2kF~Y4m

```

A: 28315.8798, Layer 5 to 4 Message = A-wdP<)s`LA%o[H4~kWD
B: 28672.0501, Layer 4 to 5 Message = A-wdP<)s`LA%o[H4~kWD
A: 30027.5271, Layer 5 to 4 Message = B?=:97531x-B)'%#~|zx
B: 30034.2580, Layer 4 to 5 Message = B?=:97531x-B)'%#~|zx

```

Printing the contents of the Simulation Event Q

Event Time = 30127.527 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30139.034 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30139.034 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30160.734 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30160.734 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30164.378 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30164.378 A: Timer

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30180.974 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30276.598 A: Timer

A: 30180.9735, Layer 5 to 4 Message = CRbq#2BQap!lCP`o~0?O

Printing the contents of the Simulation Event Q

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30376.598 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30376.598 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30387.975 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30387.975 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30415.443 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30415.443 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30440.450 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30540.450 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30540.450 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30558.014 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30558.014 A: Timer

Event Time = 31458.650 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 30565.907 A: Timer

Event Time = 31458.650 A: LAYER 5

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B: 30471.5100, Layer 4 to 5 Message = CRbq#2BQap!1CP`o~0?O
A: 31458.6498, Layer 5 to 4 Message = De(Ij-No2St7XD<^~Bc&
B: 31837.9446, Layer 4 to 5 Message = De(Ij-No2St7XD<^~Bc&
A: 32847.1196, Layer 5 to 4 Message = EwL~S(Zxb6i=pEEL~S(Z
A: 33000.5778, Layer 5 to 4 Message = d,pV<#gM3w^D2nTF~eK1
B: 33067.0450, Layer 4 to 5 Message = EwL~S(Zxb6i=pEEL~S(Z
B: 33678.1516, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eK1
A: 34906.8909, Layer 5 to 4 Message = Gf6.&{skcZRJB93}Gvnf
B: 34910.6323, Layer 4 to 5 Message = Gf6.&{skcZRJB93}Gvnf
A: 36797.4822, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<
B: 36902.3561, Layer 4 to 5 Message = HQZdmv!+4=GPYclu~H3<
A: 37536.3151, Layer 5 to 4 Message = Id~;Vq.Id~;Vq.Id~;Iq
B: 38032.4177, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq
A: 38272.2206, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ
B: 38501.6022, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ
A: 38656.0446, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~_|
A: 39619.1201, Layer 5 to 4 Message = LLx~pbSE6(wiZL=x~pbS
B: 39825.4816, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~_|
B: 40396.3395, Layer 4 to 5 Message = LLx~pbSE6(wiZL=x~pbS
A: 40822.7254, Layer 5 to 4 Message = dPMVY]`cfilo2ux{~$'*
A: 41289.0963, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_
B: 42048.7397, Layer 4 to 5 Message = dPMVY]`cfilo2ux{~$'*
B: 42224.1267, Layer 4 to 5 Message = NcwNCWl#7Lau,AUj~5J_
A: 42280.2670, Layer 5 to 4 Message = Ou=dORxAgxU{Dj2X~Gm5
B: 42472.9593, Layer 4 to 5 Message = Ou=dORxAgxU{Dj2X~Gm5
A: 43150.1009, Layer 5 to 4 Message = Pfb;sP'_8pJ$[53G~X2j
B: 43158.5359, Layer 4 to 5 Message = Pfb;sP'_8pJ$[53G~X2j
A: 44384.4417, Layer 5 to 4 Message = Q<(q]HQ|hS>*s_J5~jUA

```

B: 44709.4340, Layer 4 to 5 Message = Q<(q]HQ|hS>*s_J5~jUA
 A: 45599.6455, Layer 5 to 4 Message = ROLIFC?R9630-*'\$~{xu
 B: 45603.5763, Layer 4 to 5 Message = ROLIFC?R9630-*'\$~{xu
 A: 47039.5733, Layer 5 to 4 Message = Sbp~x=LZSw(6ESbp~x=L
 B: 47056.7466, Layer 4 to 5 Message = Sbp~x=LZSw(6ESbp~x=L
 A: 48029.5543, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|>_~Aa#
 B: 48038.3534, Layer 4 to 5 Message = dt6Vv8Xx:Tz<2|>_~Aa#
 A: 49702.1224, Layer 5 to 4 Message = U)Z.`3e8j=UCtHyM~R&W
 B: 49710.0468, Layer 4 to 5 Message = U)Z.`3e8j=UCtHyM~R&W
 A: 50893.6442, Layer 5 to 4 Message = V;~dI.qV;~dV.qV;~dI.
 A: 50914.4970, Layer 5 to 4 Message = WNE;2)}tkbXOW<3*~ulc
 B: 51349.3254, Layer 4 to 5 Message = V;~dI.qV;~dV.qV;~dI.
 A: 52053.2383, Layer 5 to 4 Message = Xaiqy\$,4<EMU^Xnv~)19
 B: 52894.3587, Layer 4 to 5 Message = WNE;2)}tkbXOW<3*~ulc
 A: 53221.3325, Layer 5 to 4 Message = YfxIc|8Rl(B[ulYe~:Tn
 B: 53514.5962, Layer 4 to 5 Message = Xaiqy\$,4<EMU^Xnv~)19
 A: 53649.0042, Layer 5 to 4 Message = Z(S~LwEp=i6bxZ(Z~LwE
 B: 54009.5147, Layer 4 to 5 Message = YfxIc|8Rl(B[ulYe~:Tn
 B: 54517.2150, Layer 4 to 5 Message = Z(S~LwEp=i6bxZ(Z~LwE
 A: 55614.2123, Layer 5 to 4 Message = d:wV5rQ0mL+h2&cB[^<y
 B: 56375.0176, Layer 4 to 5 Message = d:wV5rQ0mL+h2&cB[^<y
 A: 56401.2526, Layer 5 to 4 Message =]M=.|m^N>x}n_O?0~]`P
 B: 56664.5371, Layer 4 to 5 Message =]M=.|m^N>x}n_O?0~]`P
 A: 57701.1771, Layer 5 to 4 Message = ^`bdfhjlnprtvxz|~#^'
 A: 58846.9988, Layer 5 to 4 Message = _r(;Ocv,?Sgz0DWk~4H_
 B: 59105.8707, Layer 4 to 5 Message = ^`bdfhjlnprtvxz|~#^'
 B: 59413.8920, Layer 4 to 5 Message = _r(;Ocv,?Sgz0DWk~4H_
 A: 60736.2537, Layer 5 to 4 Message = `Lq8^%Jo6[#Hm4Y~Fk2
 B: 61065.2099, Layer 4 to 5 Message = `Lq8^%Jo6[#Hm4Y~Fk2
 A: 62642.2624, Layer 5 to 4 Message = aapI!X1hAwP)`8oH~W0g
 B: 62648.3513, Layer 4 to 5 Message = aapI!X1hAwP)`8oH~W0g
 A: 63292.2877, Layer 5 to 4 Message = bLb~iS=(pZExwbL6~iS=
 B: 63303.0394, Layer 4 to 5 Message = bLb~iS=(pZExwbL6~iS=
 A: 64133.2455, Layer 5 to 4 Message = dfZcRNJFB=952-3%~zvr
 B: 64142.3397, Layer 4 to 5 Message = dfZcRNJFB=952-3%~zvr
 A: 66004.6004, Layer 5 to 4 Message = dq~.dIVdq~.;IVdq~.;I

B: 66618.4650, Layer 4 to 5 Message = dq~.dIVdq~.;IVdq~.;I

Printing the contents of the Simulation Event Q

Event Time = 66726.105 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 66808.568 A: Timer

A: 66726.1051, Layer 5 to 4 Message = e&Ed%ec\$Cb#Ba!A`~?_}

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 66908.568 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 66908.568 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 66936.683 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67136.683 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67136.683 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67155.116 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67155.116 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67178.345 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67278.345 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67378.345 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67378.345 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67390.968 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67390.968 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67414.714 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67414.714 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67426.669 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67426.669 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67459.927 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67559.927 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67559.927 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67771.093 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67771.093 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67780.463 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67780.463 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67786.169 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67786.169 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 67794.459 A: Timer
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q
Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67894.459 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 67894.459 A: Timer

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68167.719 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 68008.911 A: Timer

Event Time = 68167.719 A: LAYER 5

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B: 67916.0299, Layer 4 to 5 Message = e&Ed%ec$Cb#Ba!A`~?_}
A: 68167.7194, Layer 5 to 4 Message = f8i;l>fBrEuHxK{N~Q$T
B: 68359.7100, Layer 4 to 5 Message = f8i;l>fBrEuHxK{N~Q$T
A: 70137.5059, Layer 5 to 4 Message = gKxqU9{gD(jN2tX<~cG+
B: 70676.6297, Layer 4 to 5 Message = gKxqU9{gD(jN2tX<~cG+
A: 71009.5488, Layer 5 to 4 Message = h^SI>4*}hi_TJ?5+~tj`
A: 71321.0363, Layer 5 to 4 Message = ipw~(x6=EiSZbipw~(x6
A: 71462.3133, Layer 5 to 4 Message = d%=Vo*C[txja24Mf~9Rk
B: 71602.9130, Layer 4 to 5 Message = h^SI>4*}hi_TJ?5+~tj`
B: 72034.9147, Layer 4 to 5 Message = ipw~(x6=EiSZbipw~(x6
A: 72112.9995, Layer 5 to 4 Message = k7b.X%OyFp<k3^*T~KuB
B: 72572.3385, Layer 4 to 5 Message = d%=Vo*C[txja24Mf~9Rk
B: 72842.5041, Layer 4 to 5 Message = k7b.X%OyFp<k3^*T~KuB
A: 73890.0478, Layer 5 to 4 Message = lf(dB)[9uS1ml)3C~]:v
B: 73926.4470, Layer 4 to 5 Message = lf(dB)[9uS1ml)3C~]:v
A: 75871.5945, Layer 5 to 4 Message = m]L;+xhWG6&scmB1~n^M

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B: 75975.0398, Layer 4 to 5 Message = m]L;+xhWG6&scmBl~n^M
 A: 77187.0101, Layer 5 to 4 Message = nopqrstuvwxyz{n}~!#\$
 A: 77194.2425, Layer 5 to 4 Message = o\$6I[n#5HZm!4GYo~3FX
 B: 77205.6167, Layer 4 to 5 Message = nopqrstuvwxyz{n}~!#\$
 B: 77653.6967, Layer 4 to 5 Message = o\$6I[n#5HZm!4GYo~3FX
 A: 78197.4544, Layer 5 to 4 Message = p6Z~EixSw=b(Lp6ZpEix
 A: 78814.0520, Layer 5 to 4 Message = dI~V.d;qI~V.2;qI~q.d
 B: 79272.7070, Layer 4 to 5 Message = p6Z~EixSw=b(Lp6ZpEix
 B: 80066.7857, Layer 4 to 5 Message = dI~V.d;qI~V.2;qI~q.d
 A: 80728.2667, Layer 5 to 4 Message = r[E.u_H1xbK4{eN7~hr:
 A: 81253.3348, Layer 5 to 4 Message = snid_YTOJE?:50+&~yts
 B: 81301.3406, Layer 4 to 5 Message = r[E.u_H1xbK4{eN7~hr:
 B: 82168.1461, Layer 4 to 5 Message = snid_YTOJE?:50+&~yts
 A: 82353.2141, Layer 5 to 4 Message = t#x;HTamy(4AMYfr~-9F
 B: 82557.4234, Layer 4 to 5 Message = t#x;HTamy(4AMYfr~-9F
 A: 83141.6960, Layer 5 to 4 Message = uuSq1Om-Ki)Ge%3a~>]z
 B: 83505.8785, Layer 4 to 5 Message = uuSq1Om-Ki)Ge%3a~>]z
 A: 84878.3020, Layer 5 to 4 Message = vHvIxJyKzL{M|N}O~P!Q
 B: 84885.2239, Layer 4 to 5 Message = vHvIxJyKzL{M|N}O~P!Q
 A: 85137.8896, Layer 5 to 4 Message = wZ=wbE(iLxpS6wZ=~bE(
 B: 85142.6070, Layer 4 to 5 Message = wZ=wbE(iLxpS6wZ=~bE(
 A: 86937.3338, Layer 5 to 4 Message = dmbVx?4){peY2C7,~sh]
 B: 87396.4459, Layer 4 to 5 Message = dmbVx?4){peY2C7,~sh]
 A: 88643.6715, Layer 5 to 4 Message = y!(.4yAGMSY`flrx~'-3
 B: 88867.7203, Layer 4 to 5 Message = y!(.4yAGMSY`flrx~'-3
 A: 89393.7140, Layer 5 to 4 Message = z4Ld{5ze|6Nf}7Og~8Ph
 B: 89397.3985, Layer 4 to 5 Message = z4Ld{5ze|6Nf}7Og~8Ph
 A: 89782.7683, Layer 5 to 4 Message = {Gp;e0Y{NwCl7a,U~Js>
 B: 90066.3095, Layer 4 to 5 Message = {Gp;e0Y{NwCl7a,U~Js>
 A: 90247.0647, Layer 5 to 4 Message = |Y6qN+fC|Z7rO,gD~[8s
 B: 90708.5526, Layer 4 to 5 Message = |Y6qN+fC|Z7rO,gD~[8s
 A: 90767.7233, Layer 5 to 4 Message = }lZI7&raO},xgUD2~m[J
 B: 90889.3327, Layer 4 to 5 Message = }lZI7&raO},xgUD2~m[J
 A: 91856.3915, Layer 5 to 4 Message = ~fDUgx,=Oa~&7I3l}1CT
 B: 92117.3737, Layer 4 to 5 Message = ~fDUgx,=Oa~&7I3l}1CT
 A: 92558.7952, Layer 5 to 4 Message = !3EVhy->Pbs'2J[m~2DU

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A: 93479.9955, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 93794.6739, Layer 4 to 5 Message = !3EVhy->Pbs'2J[m~2DU
B: 94847.8023, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A: 95076.2149, Layer 5 to 4 Message = $X$d:oFzQ()3h>sJ~U,a
B: 95335.2635, Layer 4 to 5 Message = $X$d:oFzQ()3h>sJ~U,a
A: 95738.3018, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
B: 95863.5109, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
A: 97138.6010, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl
B: 97157.2623, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
A: 97299.6999, Layer 5 to 4 Message = '2=IT'kv$x:FQ]hs~,7C
A: 98286.3680, Layer 5 to 4 Message = (Eb~=Z(6SpxLi(Eb~=Zw
B: 98431.1092, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
B: 99375.3819, Layer 4 to 5 Message = (Eb~=Z(6SpxLi(Eb~=Zw

```

Printing the contents of the Simulation Event Q

Event Time = 99458.348 A: Timer

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99486.700 A: Timer

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99486.700 A: Timer

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99510.828 A: Timer

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99510.828 A: Timer

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99525.087 A: Timer

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99674.088 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99674.088 A: LAYER 5

Event Time = 99725.087 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 99725.087 A: Timer

A: 99674.0882, Layer 5 to 4 Message = dW(V'U&)%S\$R2Q!P~O}N

Printing the contents of the Simulation Event Q

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99825.087 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99825.087 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99838.065 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99838.065 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99856.903 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99856.903 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99966.987 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 99966.987 A: Timer

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 101275.298 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 100072.409 A: Timer

Event Time = 101275.298 A: LAYER 5

B: 99976.1951, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N

A: 101275.2982, Layer 5 to 4 Message = *fL.nP2r*6vX:z3>~aC%

B: 101391.7184, Layer 4 to 5 Message = *fL.nP2r*6vX:z3>~aC%

Simulator terminated at time 101393.502314

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: 2205

Average number of packets already in network: 0.000

Number of packets that the network lost: 455

Number of packets that the network corrupted: 1395

Number of packets that the network put out of order: 1417

4. Average packet loss, corruption, and out-of-order probabilities**Number of Messages: 100****Lost Packet Prob.: 0.5****Corrupt Packet Prob.: 0.5****Out Of Order Prob.: 0.5****Ave. time between messages: 500****Trace level: 1****Randomize: 1****Bi-directional: 0**

```

A:      37.0507, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU
B:     167.0242, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU
A:     748.7420, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B:     850.0219, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
A:    1084.1648, Layer 5 to 4 Message = $X$d:oFzQ{]3h>sJ~U,a
B:    1213.7523, Layer 4 to 5 Message = $X$d:oFzQ{]3h>sJ~U,a
A:    1540.4653, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
B:    1567.2913, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
A:    2135.6930, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl
B:    2360.2558, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
A:    2491.2489, Layer 5 to 4 Message = '2=IT'kv$x:FQ]hs~,7C
A:    2767.2369, Layer 5 to 4 Message = (Eb~=Z(6SpXLi(Eb~=Zw
A:    3086.8436, Layer 5 to 4 Message = dW(V'U&)%S$R2Q!P~O}N
A:    3181.9388, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%
A:    3407.2278, Layer 5 to 4 Message = +fpdWK>2&+k_RF3~~rfY
A:    3686.2656, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0
B:    4098.0662, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
A:    4388.5200, Layer 5 to 4 Message = -DZq*AWn'=T-$.Qh~7Ne
A:    5118.3377, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
A:    5798.9007, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p
A:    6767.9256, Layer 5 to 4 Message = d{iVD1|jWE2}2X03~1YG
B:    6981.8723, Layer 4 to 5 Message = (Eb~=Z(6SpXLi(Eb~=Zw
A:    7385.0568, Layer 5 to 4 Message = 10x.-,+)('&%$#1~}|{
A:    7605.2904, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^~n21BR

```


A: 7807.0651, Layer 5 to 4 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 A: 8557.1985, Layer 5 to 4 Message = 4f=qGzP&Yxc8lB3K~T4^
 B: 9128.4139, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N
 A: 9222.2941, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5
 A: 9554.5493, Layer 5 to 4 Message = 6x(~wpibZSLE=6x(~wpi
 B: 9764.6254, Layer 4 to 5 Message = *jL.nP2r*6vX:z]>~aC%
 A: 9788.9000, Layer 5 to 4 Message = d7LVaku!,6AK2`jt~+5?
 A: 10786.4665, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 A: 11213.0065, Layer 5 to 4 Message = 9g693a0^-Z*W'T\$Q~N{K
 B: 11408.2745, Layer 4 to 5 Message = +fpdWK>2&+k_RF3~~rfY
 A: 11845.4165, Layer 5 to 4 Message = :yZ;:[<{]=|^>}_?~`A!
 A: 12396.5697, Layer 5 to 4 Message = ;.~qd;I;.~qdVI;.~qdV
 A: 13282.3233, Layer 5 to 4 Message = <AEIMQ<Y^bfjnrVz~%)-
 A: 13300.4618, Layer 5 to 4 Message = =fi~6Lb=xEZp(=3i~6Lb
 B: 14113.5516, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0
 A: 14154.7077, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8
 A: 14535.5254, Layer 5 to 4 Message = ?xS.gBzU0?D|W2kF~Y4m
 A: 14704.5153, Layer 5 to 4 Message = A-wdP<)s`LA%o[H4~kWD
 A: 15097.2736, Layer 5 to 4 Message = B?=:97531x-B)'%#~|zx
 A: 15457.9514, Layer 5 to 4 Message = CRbq#2BQap!1CP`o~0?O
 B: 15609.1141, Layer 4 to 5 Message = -DZq*AWn'=-T-\$.Qh~7Ne
 A: 15819.0392, Layer 5 to 4 Message = De(Ij-No2St7XD<^~Bc&
 A: 16491.8710, Layer 5 to 4 Message = EwL~S(Zxb6i=pEEL~S(Z
 A: 17036.3273, Layer 5 to 4 Message = d,pV<#gM3w^D2nTF~eK1
 B: 17231.9670, Layer 4 to 5 Message = .V~Iq;d.V~Iq.d.V~Iq;
 A: 17420.2662, Layer 5 to 4 Message = Gf6.&{skcZRJB93)Gvnf
 A: 17454.4403, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<
 A: 18053.4689, Layer 5 to 4 Message = Id~;Vq.Id~;Vq.Id~;Iq
 B: 18393.7315, Layer 4 to 5 Message = xiE~Z6pL(b=wSxiE~Z6p
 B: 18550.2325, Layer 4 to 5 Message = d{iVD1|jWE2}2X03~lYG
 B: 18756.9865, Layer 4 to 5 Message = 10x.-,+)('&%\$#1~}||{
 A: 18936.5362, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ
 A: 19037.1165, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~_>|
 B: 19207.0804, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^N21BR
 B: 19318.5070, Layer 4 to 5 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 B: 19431.4093, Layer 4 to 5 Message = 4f=qGzP&Yxc8lB3K~T4^

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B: 19534.2765, Layer 4 to 5 Message = 5zbI0u]D+pW>&kR9~fM5
A: 19815.0775, Layer 5 to 4 Message = LLx~pbSE6(wizL=x~pbS
B: 19913.6877, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi
B: 20157.7649, Layer 4 to 5 Message = d7LVaku!,6AK2`jt~+5?
A: 20324.5541, Layer 5 to 4 Message = dPMVY]`cfilo2ux{~$'*
A: 20616.5302, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_
A: 20802.2595, Layer 5 to 4 Message = Ou=dORxAgxU{Dj2X~Gm5
B: 20967.7574, Layer 4 to 5 Message = 8T8.Jf$?[w5Qm+Gc~<Xt
A: 21353.0624, Layer 5 to 4 Message = Pfb;sP'_8pJ$[53G~X2j
B: 21801.4786, Layer 4 to 5 Message = 9g693a0^-Z*W'T$Q~N{K
A: 22203.9295, Layer 5 to 4 Message = Q<(q]HQ|hS>*s_J5~jUA
B: 22707.7296, Layer 4 to 5 Message = :yZ;:[<[]=|^>}_?~`A!
A: 22880.5069, Layer 5 to 4 Message = ROLIFC?R9630-*'$~{xu
B: 23049.9315, Layer 4 to 5 Message = ;.~qd;I;.~qdVI;.~qdV
A: 23733.3692, Layer 5 to 4 Message = Sbp~x=LZSw(6ESbp~x=L
B: 23947.7745, Layer 4 to 5 Message = <AEIMQ<Y^bfjnrVz~%)-
B: 24219.1912, Layer 4 to 5 Message = =fi~6Lb=xEZp(=3i~6Lb
A: 24547.9450, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|>_~Aa#
A: 25473.5765, Layer 5 to 4 Message = U)Z.`3e8j=UCtHyM~R&W
B: 25818.2077, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8
B: 25875.2914, Layer 4 to 5 Message = ?xS.gBzU0?D|W2kF~Y4m
A: 26173.7727, Layer 5 to 4 Message = V;~dI.qV;~dV.qV;~dI.
A: 27016.1821, Layer 5 to 4 Message = WNE;2)}tkbXOW<3*~ulc
B: 27154.1549, Layer 4 to 5 Message = A~wdP<)s`LA%o[H4~kWD
A: 27303.5880, Layer 5 to 4 Message = Xaiqy$,4<EMU^Xnv~)19
B: 27578.2169, Layer 4 to 5 Message = B?=:97531x~B)'%#~|zx

```

Printing the contents of the Simulation Event Q

Event Time = 27664.834 A: Timer

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27786.324 A: Timer

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27786.324 A: Timer

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27928.812 A: Timer

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27928.812 A: Timer

Event Time = 27938.457 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 27938.457 A: LAYER 5

Event Time = 27957.167 A: Timer

B: 27863.6014, Layer 4 to 5 Message = CRbq#2BQap!1CP`o~0?O

A: 27938.4573, Layer 5 to 4 Message = YfxIc|8Rl(B[u1Ye~:Tn

A: 28391.3654, Layer 5 to 4 Message = Z(S~LwEp=i6bxZ(Z~LwE

B: 29011.8521, Layer 4 to 5 Message = De(Ij-No2St7XD<^~Bc&

A: 29101.5228, Layer 5 to 4 Message = d:wV5rQ0mL+h2&cB[^<y

A: 29144.0261, Layer 5 to 4 Message =]M=.|m^N>x}n_O?0~]`P

A: 29992.9360, Layer 5 to 4 Message = ^`bdfhjlnprtvxz|~#^'

A: 30521.8566, Layer 5 to 4 Message = _r(;Ocv,?Sgz0DWk~4H_

A: 30903.9471, Layer 5 to 4 Message = `Lq8^%Jo6[#Hm4Y~Fk2
 A: 31455.7627, Layer 5 to 4 Message = aapI!X1hAwP)`8oH~W0g
 B: 31578.5622, Layer 4 to 5 Message = EwL~S(Zxb6i=pEEL~S(Z
 A: 31736.4992, Layer 5 to 4 Message = bLb~iS=(pZExwbL6~iS=
 B: 31823.0535, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eK1
 B: 32483.0482, Layer 4 to 5 Message = Gf6.&{skcZRJB93)Gvnf
 A: 32490.5713, Layer 5 to 4 Message = dfZcRNJFB=952-3%~zvr
 A: 32737.6318, Layer 5 to 4 Message = dq~.dIVdq~.;IVdq~.;I
 A: 33667.8068, Layer 5 to 4 Message = e&Ed%ec\$Cb#Ba!A`~?_}
 A: 34005.1134, Layer 5 to 4 Message = f8i;l>fBrEuHxK{N~Q\$T
 B: 34143.6601, Layer 4 to 5 Message = HQZdmv!+4=GPYclu~H3<
 B: 34207.2963, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq
 A: 34548.5239, Layer 5 to 4 Message = gKxqU9{gD(jN2tX<~cG+
 B: 35057.0275, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ
 A: 35115.6191, Layer 5 to 4 Message = h^SI>4*}hi_TJ?5+~tj`
 A: 35229.4276, Layer 5 to 4 Message = ipw~(x6=EiSZbipw~(x6
 A: 35639.5352, Layer 5 to 4 Message = d%=Vo*C[txja24Mf~9Rk
 B: 35838.7016, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~>|
 B: 35956.3235, Layer 4 to 5 Message = LLx~pbSE6(wizL=x~pbS
 A: 35980.8289, Layer 5 to 4 Message = k7b.X%OyFp<k3^*T~KuB
 A: 36664.1963, Layer 5 to 4 Message = lf(dB)[9uS1ml)3C~]:v
 A: 37116.8143, Layer 5 to 4 Message = m]L;+xhWG6&scmB1~n^M
 B: 37223.2166, Layer 4 to 5 Message = dPMVY]`cfilo2ux{~\$'*
 A: 37666.4476, Layer 5 to 4 Message = nopqrstuvwxyz{n}~!#\$
 A: 38453.3824, Layer 5 to 4 Message = o\$6I[n#5HZm!4GYo~3FX
 B: 38879.9090, Layer 4 to 5 Message = NcWNCWl#7Lau,AUj~5J_
 A: 39139.9078, Layer 5 to 4 Message = p6Z~EixSw=b(Lp6ZpEix
 B: 39540.1498, Layer 4 to 5 Message = Ou=dORxAgxU{Dj2X~Gm5
 B: 39586.8518, Layer 4 to 5 Message = Pfb;sP'_8pJ\$[53G~X2j
 B: 39591.8436, Layer 4 to 5 Message = Q<(q|HQ|hS>*s_J5~jUA
 B: 39637.9024, Layer 4 to 5 Message = ROLIFC?R9630-*'\$~{xu
 B: 39974.7568, Layer 4 to 5 Message = Sbp~x=LZSw(6ESbp~x=L
 B: 40003.1940, Layer 4 to 5 Message = dt6Vv8Xx:Tz<2|>~Aa#
 A: 40066.3650, Layer 5 to 4 Message = dI~V.d;qI~V.2;qI~q.d
 A: 40282.6329, Layer 5 to 4 Message = r[E.u_H1xbK4{eN7~hr:
 B: 40322.7534, Layer 4 to 5 Message = U)Z.`3e8j=UCtHyM~R&W

A: 40559.6545, Layer 5 to 4 Message = snid_YTOJE?:50+&~yts
 B: 40652.6170, Layer 4 to 5 Message = V;~dI.qV;~dV.qV;~dI.
 B: 40887.0778, Layer 4 to 5 Message = WNE;2)}tkbXOW<3*~ulc
 A: 40928.4855, Layer 5 to 4 Message = t#x;HTAmy(4AMYfr~-9F
 A: 41451.0960, Layer 5 to 4 Message = uuSqlOm-Ki)Ge%3a~>]z
 A: 42357.2319, Layer 5 to 4 Message = vHvIxJyKzL{M|N}O~P!Q
 A: 42460.7779, Layer 5 to 4 Message = wZ=wbE(iLxpS6wZ=~bE(
 A: 42549.2167, Layer 5 to 4 Message = dmbVx?4){peY2C7,~sh]
 B: 42656.4908, Layer 4 to 5 Message = Xaiqy\$,4<EMU^Xnv~)19
 A: 42760.4168, Layer 5 to 4 Message = y!(.4yAGMSY`flrx~-3
 A: 43490.4728, Layer 5 to 4 Message = z4Ld{5ze|6Nf}7Og~8Ph
 A: 44360.1136, Layer 5 to 4 Message = {Gp;eOY{NwCl7a,U~Js>
 A: 44516.1513, Layer 5 to 4 Message = |Y6qN+fC|Z7rO,gD~[8s
 B: 44580.4555, Layer 4 to 5 Message = YfxIc|8Rl(B[ulYe~:Tn
 B: 44628.9607, Layer 4 to 5 Message = Z(S~LwEp=i6bxZ(Z~LwE
 B: 44781.9339, Layer 4 to 5 Message = d:wV5rQ0mL+h2&cB[^<y
 B: 45223.1572, Layer 4 to 5 Message =]M=.|m^N>x)n_O?0~]`P
 A: 45304.0291, Layer 5 to 4 Message = }lZI7&raO},xgUD2~m[J
 B: 45436.8132, Layer 4 to 5 Message = ^`bdfhjlnprtvxz|#^'
 A: 45822.1539, Layer 5 to 4 Message = ~fDUgx,=Oa~&7I3l}1CT
 B: 45883.8424, Layer 4 to 5 Message = _r(;Ocv,?Sgz0DWk~4H_
 B: 45914.6982, Layer 4 to 5 Message = ` 'Lq8^%Jo6[#Hm4Y~Fk2
 B: 46166.6126, Layer 4 to 5 Message = aapI!XlhAwP)`8oH~W0g
 A: 46329.6020, Layer 5 to 4 Message = !3EVhy->Pbs'2J[m~2DU
 A: 46390.4418, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
 A: 46920.8623, Layer 5 to 4 Message = \$X\$d:oFzQ(}3h>sJ~U,a
 B: 47104.4986, Layer 4 to 5 Message = bLb~iS=(pZExwbL6~iS=
 A: 47744.3247, Layer 5 to 4 Message = %kS%\$jR:#iQ9!hP8~gO7
 A: 48369.5621, Layer 5 to 4 Message = &}wq&e_XRLF?93-'~xrl
 A: 48677.2448, Layer 5 to 4 Message = '2=IT'kv\$x:FQ]hs~,7C
 A: 48683.2411, Layer 5 to 4 Message = (Eb~=Z(6SpxLi(Eb~=Zw
 A: 49461.8719, Layer 5 to 4 Message = dW(V'U&)%S\$R2Q!P~O}N
 A: 49579.7374, Layer 5 to 4 Message = *fL.nP2r*6vX:z3>~aC%
 B: 49818.3882, Layer 4 to 5 Message = dfZcRNJFB=952-3%~zvr
 A: 49907.2891, Layer 5 to 4 Message = +|pdWK>2&+k_RF9~~rfY
 B: 50233.2276, Layer 4 to 5 Message = dq~.dIVdq~.;IVdq~.;I

Printing the contents of the Simulation Event Q

Event Time = 50281.639 A: LAYER 5

Event Time = 50328.877 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 50281.639 A: LAYER 5

Event Time = 50344.206 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 50344.206 A: Timer

A: 50281.6385, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0

Printing the contents of the Simulation Event Q

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 50744.206 A: Timer

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 50744.206 A: Timer

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 51031.290 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 50967.279 A: Timer

Event Time = 51031.290 A: LAYER 5

B: 50882.7541, Layer 4 to 5 Message = e&Ed%ec\$Cb#Ba!A`~?_}

B: 50894.9935, Layer 4 to 5 Message = f8i;l>fBrEuHxK{N~Q\$T

B: 51024.1564, Layer 4 to 5 Message = gKxqU9{gD(jN2tX<~cG+

A: 51031.2897, Layer 5 to 4 Message = -DZq*AWn'=T-\$.Qh~7Ne

B: 51067.5042, Layer 4 to 5 Message = h^SI>4*}hi_TJ?5+~tj`

A: 51678.3966, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;

A: 51764.0221, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p

B: 51994.2685, Layer 4 to 5 Message = ipw~(x6=EiSZbipw~(x6

B: 52888.4880, Layer 4 to 5 Message = d%=Vo*C[txja24Mf~9Rk

B: 53323.3326, Layer 4 to 5 Message = k7b.X%OyFp<k3^*T~KuB

B: 54365.7987, Layer 4 to 5 Message = lf(dB)[9uS1ml)3C~]:v

B: 55142.7213, Layer 4 to 5 Message = m]L;+xhWG6&scmB1~n^M

B: 55670.8619, Layer 4 to 5 Message = nopqrstuvwxyz{n}~!#\$

B: 55929.1335, Layer 4 to 5 Message = o\$6I[n#5HZm!4GYo~3FX

B: 56532.9203, Layer 4 to 5 Message = p6Z~EixSw=b(Lp6ZpEix

B: 57799.6458, Layer 4 to 5 Message = dI~V.d;qI~V.2;qI~q.d

B: 59798.1038, Layer 4 to 5 Message = r[E.u_H1xbK4{eN7~hr:

B: 59934.8898, Layer 4 to 5 Message = snid_YTOJE?:50+&~yts

```

B: 59942.0086, Layer 4 to 5 Message = t#x;HTAmy(4AMYfr~-9F
B: 60585.5204, Layer 4 to 5 Message = uuSqlOm-Ki)Ge%3a~>]z
B: 60718.8563, Layer 4 to 5 Message = vHvIxJyKzL{M|N}O~P!Q
B: 61561.5686, Layer 4 to 5 Message = wZ=wbE(iLxpS6wZ=~bE(
B: 61577.1933, Layer 4 to 5 Message = dmbVx?4){peY2C7,~sh]
B: 62547.4567, Layer 4 to 5 Message = y!(.4yAGMSY`flrx~'-3
B: 63881.8873, Layer 4 to 5 Message = z4Ld{5ze|6Nf}7Og~8Ph
B: 64093.4413, Layer 4 to 5 Message = {Gp;e0Y{NwCl7a,U~Js>
B: 64582.8782, Layer 4 to 5 Message = |Y6qN+fC|Z7rO,gD~[8s
B: 64708.5156, Layer 4 to 5 Message = }lZI7&raO},xgUD2~m[J
B: 66802.5413, Layer 4 to 5 Message = ~fDUgx,=Oa~&7I3l}lCT
B: 67260.0663, Layer 4 to 5 Message = !3EVhy->Pbs'2J[m~2DU
B: 67458.1342, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 67731.2279, Layer 4 to 5 Message = $X$d:oFzQ()3h>sJ~U,a
B: 68697.8857, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
B: 69004.9843, Layer 4 to 5 Message = &}wq&e_XRLF?93-'~xrl
B: 69671.4453, Layer 4 to 5 Message = '2=IT'kv$x:FQ]hs~,7C
B: 69880.9509, Layer 4 to 5 Message = (Eb~=Z(6SpxLi(Eb~=Zw

```

Printing the contents of the Simulation Event Q

Event Time = 69978.694 A: Timer

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Event Time = 70108.306 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 70108.306 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 70148.709 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 70148.709 A: Timer

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Event Time = 70274.227 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 70274.227 A: Timer

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Printing the contents of the Simulation Event Q

Event Time = 70688.943 A: Timer

B: 70598.7179, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N

B: 71116.2365, Layer 4 to 5 Message = *fL.nP2r*6vX:z3>~aC%

Simulator terminated at time 71207.773597

after receiving 100 msgs at layer5

Simulator Analysis:

Number of messages sent from 5 to 4: 104

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: 1343

Average number of packets already in network: 0.000

Number of packets that the network lost: 644

Number of packets that the network corrupted: 346

Number of packets that the network put out of order: 358

5. Bi-directional communication with medium packet loss, corruption, and out-of-order probabilities

Number of Messages: 100

Lost Packet Prob.: 0.5

Corrupt Packet Prob.: 0.5

Out Of Order Prob.: 0.5

Ave. time between messages: 1000

Trace level: 1

Randomize: 1

Bi-directional: 1

```

B: 485.6228, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU
A: 514.5812, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU
B: 527.4664, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU
B: 1763.9086, Layer 5 to 4 Message = ##.c9nEyP'[2g=rI}T+`
B: 2958.3636, Layer 5 to 4 Message = ${ $oic]VPJD=71+ %|vpj
B: 3128.8817, Layer 5 to 4 Message = %B_%:Wt3Pm,If%B_{:Wt
B: 4986.4308, Layer 5 to 4 Message = &fH*&L.nP2rT6vX:z]>~
A: 6205.4818, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 6609.2027, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,
B: 8104.5431, Layer 5 to 4 Message = ',16;'FKPUZ`ejoty~&+
B: 10000.7664, Layer 5 to 4 Message = (PxCh5((PxCh5^(PxCh5
B: 10006.5898, Layer 5 to 4 Message = dtbO<*u)P=+v2Q>,weR?
A: 11445.4058, Layer 5 to 4 Message = $X$d:oFzQ()3h>sJ~U,a
B: 11704.8937, Layer 4 to 5 Message = $X$d:oFzQ()3h>sJ~U,a
B: 13271.8822, Layer 5 to 4 Message = *:K[l|x?*aq$4EUfv)9J
A: 14796.8778, Layer 5 to 4 Message = %kS%$jR:#iQ9!hP8~gO7
A: 15106.2910, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl
B: 15113.4191, Layer 4 to 5 Message = %kS%$jR:#iQ9!hP8~gO7
B: 15633.9961, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
A: 16457.5586, Layer 5 to 4 Message = '2=IT'kv$х:FQ]hs~,7C
B: 16658.5990, Layer 4 to 5 Message = '2=IT'kv$х:FQ]hs~,7C
A: 17670.1498, Layer 5 to 4 Message = (Eb~=Z(6SpхLi(Eb~=Zw
B: 17676.2815, Layer 4 to 5 Message = (Eb~=Z(6SpхLi(Eb~=Zw
B: 18885.6791, Layer 5 to 4 Message = +f4h=qGzP+Yxc83BuK~T

```

B: 20095.6147, Layer 5 to 4 Message = ,%{tmf_WPI,:3,%{tmf_
 A: 21854.7752, Layer 5 to 4 Message = dW(V'U&)%S\$R2Q!P~O}N
 B: 21989.2694, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N
 B: 22892.6329, Layer 5 to 4 Message = -Ie#>Zv4Pl*-b};Ws1Mi
 B: 23240.1857, Layer 5 to 4 Message = .mNxnO0oPlpQ.qR3rS4s
 B: 25057.6046, Layer 5 to 4 Message = x37;?DHLPTX]aximquy}
 A: 26601.5100, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%
 B: 26710.2775, Layer 4 to 5 Message = *jL.nP2r*6vX:z]>~aC%
 B: 27608.5376, Layer 5 to 4 Message = dW~Ho8`)PwAh2X0Ip9a*
 A: 28237.0014, Layer 5 to 4 Message = +fpdWK>2&+k_RF3~~rfY
 B: 28360.5886, Layer 4 to 5 Message = +fpdWK>2&+k_RF3~~rfY
 B: 29992.0888, Layer 5 to 4 Message = 1{hTA~wdP<)s`L81o[H4
 A: 30166.7157, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0
 A: 30262.3230, Layer 5 to 4 Message = -DZq*AWn'=T-\$.Qh~7Ne
 B: 30288.9382, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0
 B: 30700.8286, Layer 5 to 4 Message = 2BQap!lAP`o~0?O_2}x>
 B: 31001.3705, Layer 4 to 5 Message = -DZq*AWn'=T-\$.Qh~7Ne
 A: 32207.0113, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
 B: 32543.3693, Layer 4 to 5 Message = .V~Iq;d.V~Iq.d.V~Iq;
 B: 34177.1060, Layer 5 to 4 Message = 3f:mBtI{P%W,_3f:m3tI
 A: 34474.9616, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p
 B: 34782.2815, Layer 4 to 5 Message = xiE~Z6pL(b=wSxiE~Z6p
 B: 36446.0195, Layer 5 to 4 Message = 4f\$yqiaXPH?7x'3tld4S
 B: 36979.5631, Layer 5 to 4 Message = 5Pk(C^x5Pk(C^x5Pk(C5
 B: 38510.0581, Layer 5 to 4 Message = 6tT4rR2pP0nN.1L,jJ*h
 A: 38531.5010, Layer 5 to 4 Message = d{iVD1|jWE2}2X03~1YG
 B: 38684.2760, Layer 4 to 5 Message = d{iVD1|jWE2}2X03~1YG
 B: 39801.3065, Layer 5 to 4 Message = d7=ADGJMPSVY2`cfilor
 A: 41325.2268, Layer 5 to 4 Message = 10x.-,+)('&%\$#1~}||{
 B: 41529.1559, Layer 4 to 5 Message = 10x.-,+)('&%\$#1~}||{
 B: 41785.0330, Layer 5 to 4 Message = 8_8Ms;b*Pv>e-SyBh0V|
 B: 43172.6379, Layer 5 to 4 Message = 9%n9E0yeP;'p[G2{gR=)
 B: 44576.9013, Layer 5 to 4 Message = :IWf:%3BP_m{,:IWft%3
 B: 45445.5647, Layer 5 to 4 Message = ;mArF;K|P\$U)Z.`3e8j=
 A: 47042.0607, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^N21BR
 B: 47243.2941, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^N21BR

B: 48477.6122, Layer 5 to 4 Message = <3*~ul<YPG=4+!vmdZQH
 A: 49408.4638, Layer 5 to 4 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 B: 49719.1126, Layer 4 to 5 Message = 3Uw;^!Df*Ln2Tv:]~3e)
 B: 50112.7927, Layer 5 to 4 Message = =fq-Gaz=Pj&?Ys3Ic|8R
 B: 51538.9579, Layer 5 to 4 Message = d{Z9vU4q>x1K2gF%bA}]
 B: 52363.4879, Layer 5 to 4 Message = ?BDFHJLNP?TVXZ]_aceg
 B: 53552.4911, Layer 5 to 4 Message = Af-Rw>d+PuAb)Ns:`'Lq
 B: 54656.1608, Layer 5 to 4 Message = B,t_I3{fP:%BWB,t_I3{
 A: 55025.7876, Layer 5 to 4 Message = 4f=qGzP&Yxc81B3K~T4^
 B: 55243.9892, Layer 4 to 5 Message = 4f=qGzP&Yxc81B3K~T4^
 B: 56275.7183, Layer 5 to 4 Message = CP^kx(5CP^kxC5CP^kx(
 A: 58018.8251, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5
 B: 58224.6181, Layer 4 to 5 Message = 5zbI0u]D+pW>&kR9~fM5
 A: 58231.9937, Layer 5 to 4 Message = 6x(~wpibZSLE=6x(~wpi
 A: 59493.7574, Layer 5 to 4 Message = d7LVaku!,6AK2`jt~+5?
 B: 59613.8863, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi
 A: 60531.5691, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 B: 61127.4569, Layer 4 to 5 Message = d7LVaku!,6AK2`jt~+5?
 A: 62040.7546, Layer 5 to 4 Message = 9g693a0^-Z*W'T\$Q~N{K
 B: 62508.2011, Layer 4 to 5 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
 B: 62741.8261, Layer 4 to 5 Message = 9g693a0^-Z*W'T\$Q~N{K
 B: 63543.9084, Layer 5 to 4 Message = DtGwJzM}P#S&VDY,]x`2
 A: 64764.5113, Layer 5 to 4 Message = :yZ;:[<{]=|^>}_?~`A!
 B: 64881.8280, Layer 4 to 5 Message = :yZ;:[<{]=|^>}_?~`A!
 B: 65230.3575, Layer 5 to 4 Message = E:0&yoeZPF;1'zEf[QG<
 B: 66230.0362, Layer 5 to 4 Message = d_w2Kd|7Pi\$<2n)FZs.G
 A: 67044.8682, Layer 5 to 4 Message = ;.~qd;I;.~qdVI;.~qdV
 B: 67074.2252, Layer 4 to 5 Message = ;.~qd;I;.~qdVI;.~qdV
 A: 67158.0895, Layer 5 to 4 Message = <AEIMQ<Y^bfjnrVz~%)-
 B: 67795.3698, Layer 4 to 5 Message = <AEIMQ<Y^bfjnrVz~%)-
 A: 67988.6958, Layer 5 to 4 Message = =fi~6Lb=xEZp(=3i~6Lb
 B: 68115.7041, Layer 4 to 5 Message = =fi~6Lb=xEZp(=3i~6Lb
 A: 68458.8876, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8
 B: 68668.6392, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8
 B: 70126.6375, Layer 5 to 4 Message = Gfa>zX6rP.jH&b3{G7sQ
 A: 70599.5932, Layer 5 to 4 Message = ?xS.gBzU0?D|W2kF~Y4m

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B: 71010.0060, Layer 4 to 5 Message = ?xS.gBzU0?D|W2kF~Y4m
A: 72577.3429, Layer 5 to 4 Message = A~wdP<)s`LA%o[H4~kWD
B: 72804.8443, Layer 4 to 5 Message = A~wdP<)s`LA%o[H4~kWD
A: 74249.8805, Layer 5 to 4 Message = B?=:97531x~B)'%#~|zx
B: 74452.9045, Layer 4 to 5 Message = B?=:97531x~B)'%#~|zx

```

Printing the contents of the Simulation Event Q

Event Time = 74549.880 A: Timer

Event Time = 76105.407 B: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 74557.290 A: Timer

Event Time = 76105.407 B: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 74557.290 A: Timer

Event Time = 76105.407 B: LAYER 5

Printing the contents of the Simulation Event Q

```

B: 76105.4074, Layer 5 to 4 Message = HIJKLMNOPQRSTUVWXYZ[

```

Printing the contents of the Simulation Event Q

```

B: 76538.0711, Layer 5 to 4 Message = Im3W{Bf,Pt:_%Im3W{If

```

Printing the contents of the Simulation Event Q

```

B: 77776.2372, Layer 5 to 4 Message = J3zdM6}gP9#jS<&mV?)J

```

Printing the contents of the Simulation Event Q

```

B: 79329.8389, Layer 5 to 4 Message = KWdp|+7DP]iu$0<IUbnz

```

Printing the contents of the Simulation Event Q

A: 79502.6749, Layer 5 to 4 Message = CRbq#2BQap!lCP`o~0?O

Printing the contents of the Simulation Event Q

Event Time = 79902.096 B: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 79702.675 A: Timer

Event Time = 79902.096 B: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 79902.096 B: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 79902.096 B: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 79902.096 B: LAYER 5

Event Time = 79902.675 A: Timer

Printing the contents of the Simulation Event Q

Event Time = 79902.675 A: Timer

B: 79902.0955, Layer 5 to 4 Message = LLM|N}O~P!Q#R\$S%T&U'

Printing the contents of the Simulation Event Q

Event Time = 81874.544 A: LAYER 5

Printing the contents of the Simulation Event Q

Event Time = 80002.675 A: Timer

Eve7nt Time = 81874.544 A: LAYER 5

```

B: 79928.3983, Layer 4 to 5 Message = CRbq#2BQap!1CP`o~0?O
A: 81874.5442, Layer 5 to 4 Message = De(Ij-No2St7XD<^~Bc&
B: 81879.1533, Layer 4 to 5 Message = De(Ij-No2St7XD<^~Bc&
A: 83522.0050, Layer 5 to 4 Message = EwL~S(Zxb6i=pEEL~S(Z
B: 83829.4215, Layer 4 to 5 Message = EwL~S(Zxb6i=pEEL~S(Z
A: 84565.7924, Layer 5 to 4 Message = d,pV<#gM3w^D2nTF~eK1
B: 84802.5996, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eK1
A: 86072.4718, Layer 5 to 4 Message = Gf6.&{skcZRJB93}Gvnf
B: 86095.5786, Layer 4 to 5 Message = Gf6.&{skcZRJB93}Gvnf
A: 86408.0497, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<
B: 86651.9554, Layer 4 to 5 Message = HQZdmv!+4=GPYclu~H3<
B: 86906.3912, Layer 5 to 4 Message = dBM+}rg[PE9.2uj_SH<1
B: 87310.3695, Layer 5 to 4 Message = Nf}NOg~8Ph!9Qi#:Rj$;
A: 87850.5303, Layer 5 to 4 Message = Id~;Vq.Id~;Vq.Id~;Iq
B: 87923.1189, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq
B: 88130.3821, Layer 5 to 4 Message = O,gDO[8sP-hE!]9tQ.iF
B: 88134.1612, Layer 5 to 4 Message = Pfs'8P[m~2DUgx3=Oar&
B: 89833.6795, Layer 5 to 4 Message = Qt9)!EQ-Ps8[~Dg,Or7Z
B: 90303.4352, Layer 5 to 4 Message = R:#iQ9!RP8~gO7}fN6|e
B: 90816.5304, Layer 5 to 4 Message = S_ju#.9ES[gr]+6BMXdo
A: 92280.6190, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ
B: 92550.4277, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ
A: 93195.7644, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~_>|
B: 93305.0989, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~_>|
A: 95123.8929, Layer 5 to 4 Message = LLx~pbSE6(wiZL=x~pbS
A: 95367.1539, Layer 5 to 4 Message = dPMVY]`cfilo2ux{~$'*
B: 96263.9413, Layer 4 to 5 Message = LLx~pbSE6(wiZL=x~pbS
A: 96288.2179, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_
A: 96562.6778, Layer 5 to 4 Message = Ou=dORxAgxU{Dj2X~Gm5
B: 96981.2600, Layer 4 to 5 Message = dPMVY]`cfilo2ux{~$'*
B: 97442.5992, Layer 4 to 5 Message = NcwNCWl#7Lau,AUj~5J_
B: 97995.5979, Layer 5 to 4 Message = d%S$R#Q!PTO)2|M{LzKy

```



```

A: 98858.8177, Layer 5 to 4 Message = Pfb;sP'_8pJ$[53G~X2j
B: 99273.1383, Layer 5 to 4 Message = UI<0$ui]PDU+|pdWK>2&
B: 99551.8767, Layer 4 to 5 Message = Ou=dORxAgxU{Dj2X~Gm5
B: 100592.7525, Layer 4 to 5 Message = Pfb;sP'_8pJ$[53G~X2j
A: 101178.5590, Layer 5 to 4 Message = Q<(q]HQ|hS>*s_J5~jUA
B: 101194.5490, Layer 4 to 5 Message = Q<(q]HQ|hS>*s_J5~jUA
A: 102689.0522, Layer 5 to 4 Message = ROLIFC?R9630-*'$~{xu
B: 103125.8462, Layer 5 to 4 Message = Vm<Sj#9Pg]VMdz3Jaw0
B: 103390.2413, Layer 4 to 5 Message = ROLIFC?R9630-*'$~{xu
A: 103470.2530, Layer 5 to 4 Message = Sbp~x=LZSw(6ESbp~x=L
B: 104618.5574, Layer 5 to 4 Message = W3mI%_:tP,fBWW3mI%_:
A: 104702.0099, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|>_~Aa#
B: 105158.4694, Layer 4 to 5 Message = Sbp~x=LZSw(6ESbp~x=L
B: 105169.5417, Layer 5 to 4 Message = XWVUTSRQPONMLXJIHGFE
A: 106024.2289, Layer 5 to 4 Message = U)Z.`3e8j=UCtHyM~R&W
B: 106766.3246, Layer 4 to 5 Message = dt6Vv8Xx:Tz<2|>_~Aa#
B: 107186.5426, Layer 4 to 5 Message = U)Z.`3e8j=UCtHyM~R&W

```

Simulator terminated at time 108554.500379

after receiving 51 msgs at layer5

Simulator Analysis:

```

Number of messages sent from 5 to 4: 104
Number of messages received at Layer 5, side A: 0
Number of messages received at Layer 5, side B: 51
Number of messages incorrectly received at layer 5: 0
Number of packets entering the network: 770
Average number of packets already in network: 0.000
Number of packets that the network lost: 381
Number of packets that the network corrupted: 201
Number of packets that the network put out of order: 185

```