Metric	[Drop Policy									
Metric College Public Metric College Public		X		Α	scendin	ıg			D	escendii	ng	
March Marc		Random	Arrival-time	Replications	Relayed-nodes	Time-to-live	Message-size	Arrival-time	Replications	Relayed-nodes	Time-to-live	Message-size
March Marc	Metric			I	Delivery	Ratio (r	ercentas	ze. more	is better	:)		
Part		61.3	69.4								33.7	82.7
Fig.												
Message-size S24 83.2 73.1 62.2 85.6 95.7 85.0 85.1 47.7 85.0 97.8 87.0	Replications											
Message-size S24 83.2 73.1 62.2 85.6 95.7 85.0 85.1 47.7 85.0 97.8 87.0	Relayed-nodes											
Message-size S24 83.2 73.1 62.2 85.6 95.7 85.0 85.1 47.7 85.0 97.8 87.0	Time-to-live											
Registed modes												
Registed modes	Arrival time											
Registed modes	E Replications											
Message-size 178 78 78 78 78 78 78 7	Relayed-nodes											
Message-size 178 78 78 78 78 78 78 7	Time-to-live											
Metric M	Message-size											
March Marc		32.7										70.0
## Replications 93 3 Co. 8 94 97 3 55 71 7 81 97 57 543 134 6 13 13 13 13 13 13 13		05.5										
Fig.												
Message-size St. 1 st.	Arrival-time							$\overline{}$				
Message-size Mess	Replications											
Message-size Sal 802 930 1052 805 1240 933 800 810 131, 7 745	Relayed-nodes											
Relayed-nodes 93.8 82.7 121.9 158.2 65.1 114.8 81.2 66.1 71.2 180.4 60.5												
Relayed-nodes 93.8 82.7 121.9 158.2 65.1 114.8 81.2 66.1 71.2 180.4 60.5												
Relayed-nodes 93.8 82.7 1219 158.2 65.1 114.8 81.2 66.1 71.2 180.4 60.5 Relayed-nodes 93.8 82.7 1219 158.2 65.1 114.8 81.2 66.1 71.2 180.4 60.5 Relayed-nodes 93.8 82.7 1219 158.2 65.1 114.8 81.2 66.1 71.2 180.4 60.5 Relayed-nodes 93.8 82.7 1219 158.2 65.1 114.8 81.2 66.1 71.2 180.4 60.5 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 122.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes 123.5 110.2 183.3 199.4 293.0 97.8 154.0 92.6 Relayed-nodes	Arrival-time											
Metric M	Replications											
Metric M	Relayed-nodes											
Metric M	Time-to-live											
Random		17.9	17.5	21.4		-				15.9	/5.5	42.2
Arrival-time 72.9 75.0 79.1 46.2 87.3 53.0 84.8 77.4 110.0 53.6 94.0 Replications 47.8 46.0 45.4 33.5 43.1 39.3 30.6 52.7 49.8 39.4 44.8 Relayed-nodes 49.9 35.8 62.8 39.7 40.6 46.3 33.3 39.8 73.4 41.4 41.4 Time-to-live 72.4 69.7 60.9 47.0 109.1 52.5 91.3 95.3 108.7 52.9 98.9 Arrival-time 36.8 33.8 44.0 33.6 33.7 41.3 49.5 48.0 49.5 38.0 42.0 Relayed-nodes 67.1 65.2 58.0 49.6 84.4 53.0 83.2 88.9 94.8 49.7 88.6 Time-to-live 28.3 26.5 35.2 29.0 64.8 49.4 51.6 49.2 57.0 49.3 55.3 65.6 66.8 Relayed-nodes 67.0 62.2 59.0 64.8 49.4 43.6 45.1 61.8 67.1 38.1 66.6 Relayed-nodes 76.0 85.3 61.1 52.2 83.9 47.4 53.4 49.9 41.6 57.9 Relayed-nodes 70.8 78.0 79.1 61.1 46.3 81.7 49.1 57.8 79.1 66.1 42.6 83.3 Arrival-time 46.4 54.3 40.6 28.9 63.6 46.0 43.6 53.3 52.5 58.9 Relayed-nodes 70.8 65.0 67.0 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 70.8 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 70.8 67.0 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 70.0 68.8 67.0 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 70.0 68.8 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 70.0 85.3 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 80.0 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 80.0 67.0 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 80.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 Relayed-nodes 80.0 70.0 67.0 67.0 67.0 67.0 67.0	Metric	ĺ			Averag	ge Delay	(minute	s, less is	better)			
Replications 47.8 46.0 48.4 35.5 43.1 39.3 50.6 52.7 49.8 39.4 44.8 Relayed-nodes 40.9 35.8 62.8 39.7 40.6 46.3 53.3 39.8 73.4 41.4 41.4 The restriction of the control of	× Random	66.6			45.2	61.6		70.5	70.6	79.1		71.4
Message-size 59,8 59,1 53,4 42,8 62,7 49,3 55,3 56,6 66,8 45,4 55,6 Replications 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Replications 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Replications 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Relayed-nodes 67,1 65,2 58,0 49,6 84,4 53,0 83,2 88,9 94,8 49,7 88,6 Time-to-live 28,3 26,5 35,2 29,6 26,0 38,0 38,8 35,2 42,1 34,6 29,8 Message-size 62,2 59,0 64,8 49,4 57,2 51,5 89,3 75,6 96,9 51,6 85,9 Message-size 62,2 59,0 64,8 49,4 57,2 51,5 89,3 75,6 96,9 51,6 85,9 Arrival-time 46,4 54,3 40,6 28,9 63,6 46,0 43,6 53,3 52,5 35,9 57,9 Replications 70,8 75,9 61,1 46,3 81,7 49,1 57,8 74,4 81,3 46,5 79,6 Message-size 68,9 71,0 65,2 61,9 69,8 43,7 62,8 68,4 67,8 48,9 73,7 Message-size 68,9 71,0 65,2 61,9 69,8 43,7 62,8 68,4 67,8 48,9 73,7 Replications 44,9 51,0 38,6 29,2 53,8 34,4 40,5 51,4 51,1 33,7 55,6 66,4 51,2 49,5 62,4 Message-size 68,9 71,0 65,2 61,9 69,8 43,7 62,8 68,4 67,8 48,9 73,7 Replications 44,9 51,0 38,6 29,2 53,8 34,4 40,5 51,4 51,1 33,7 55,7 Relayed-nodes 46,1 51,9 38,0 32,3 55,7 36,2 43,8 33,9 52,5 26,8 59,4 Relayed-nodes 53,2 54,5 75,6 40,2 62,4 43,8 40,5 51,4 51,1 57,5 Relayed-nodes 64,5 51,5 51,6 49,2 75,0 49,0 44,8 59,5 Relayed-nodes 53,2 54,5 75,6 64,5 75,6 64,5 75,6 75,	Arrival-time	72.9	75.0	79.1	46.2	87.3	53.0	84.8	77.4	110.0	53.6	94.0
Message-size 59,8 59,1 53,4 42,8 62,7 49,3 55,3 56,6 66,8 45,4 55,6 Replications 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Replications 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Replications 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Relayed-nodes 67,1 65,2 58,0 49,6 84,4 53,0 83,2 88,9 94,8 49,7 88,6 Time-to-live 28,3 26,5 35,2 29,6 26,0 38,0 38,8 35,2 42,1 34,6 29,8 Message-size 62,2 59,0 64,8 49,4 57,2 51,5 89,3 75,6 96,9 51,6 85,9 Message-size 62,2 59,0 64,8 49,4 57,2 51,5 89,3 75,6 96,9 51,6 85,9 Arrival-time 46,4 54,3 40,6 28,9 63,6 46,0 43,6 53,3 52,5 35,9 57,9 Replications 70,8 75,9 61,1 46,3 81,7 49,1 57,8 74,4 81,3 46,5 79,6 Message-size 68,9 71,0 65,2 61,9 69,8 43,7 62,8 68,4 67,8 48,9 73,7 Message-size 68,9 71,0 65,2 61,9 69,8 43,7 62,8 68,4 67,8 48,9 73,7 Replications 44,9 51,0 38,6 29,2 53,8 34,4 40,5 51,4 51,1 33,7 55,6 66,4 51,2 49,5 62,4 Message-size 68,9 71,0 65,2 61,9 69,8 43,7 62,8 68,4 67,8 48,9 73,7 Replications 44,9 51,0 38,6 29,2 53,8 34,4 40,5 51,4 51,1 33,7 55,7 Relayed-nodes 46,1 51,9 38,0 32,3 55,7 36,2 43,8 33,9 52,5 26,8 59,4 Relayed-nodes 53,2 54,5 75,6 40,2 62,4 43,8 40,5 51,4 51,1 57,5 Relayed-nodes 64,5 51,5 51,6 49,2 75,0 49,0 44,8 59,5 Relayed-nodes 53,2 54,5 75,6 64,5 75,6 64,5 75,6 75,	Replications	47.8	46.0	48.4	35.5	43.1	39.3	50.6	52.7	49.8	39.4	44.8
Message-size 59,8 59,1 53,4 42,8 62,7 49,3 55,3 55,6 66,8 45,4 55,6 Religiorations 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Religiorations 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Relayed-nodes 67,1 65,2 58,0 49,6 84,4 53,0 83,2 88,9 94,8 49,7 88,6 Time-to-live 28,3 26,5 35,2 29,6 26,0 38,0 38,8 35,2 42,1 34,6 29,8 Message-size 62,2 59,0 64,8 49,4 57,2 51,5 89,3 75,6 96,9 51,6 85,9 Message-size 64,4 72,4 73,8 74,4 74	Relayed-nodes	40.9	35.8	62.8	39.7	40.6	46.3	53.3	39.8	73.4		41.4
Message-size 59,8 59,1 53,4 42,8 62,7 49,3 55,3 55,6 66,8 45,4 55,6 Religiorations 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Religiorations 68,8 63,8 74,4 45,5 79,0 52,2 82,3 78,1 96,9 52,5 89,1 Relayed-nodes 67,1 65,2 58,0 49,6 84,4 53,0 83,2 88,9 94,8 49,7 88,6 Time-to-live 28,3 26,5 35,2 29,6 26,0 38,0 38,8 35,2 42,1 34,6 29,8 Message-size 62,2 59,0 64,8 49,4 57,2 51,5 89,3 75,6 96,9 51,6 85,9 Message-size 64,4 72,4 73,8 74,4 74	Time-to-live	72.4	69.7	60.9	47.0	109.1	52.5	91.3	95.3	108.7		98.9
Relayed-nodes 67.1 65.2 58.0 49.6 84.4 53.0 83.2 88.9 94.8 49.7 88.6 Time-to-live 28.3 26.5 35.2 29.6 26.0 38.0 38.8 35.2 42.1 34.6 29.8 Message-size 62.2 59.0 64.8 49.4 57.2 51.5 89.3 75.6 96.9 51.6 85.9 Metric Composite (percentage, more is better) Relayed-nodes		59.8		53.4		62.7	49.3	55.3	65.6	66.8		55.6
Relayed-nodes 67.1 65.2 58.0 49.6 84.4 53.0 83.2 88.9 94.8 49.7 88.6 Time-to-live 28.3 26.5 35.2 29.6 26.0 38.0 38.8 35.2 42.1 34.6 29.8 Message-size 62.2 59.0 64.8 49.4 57.2 51.5 89.3 75.6 96.9 51.6 85.9 Metric Composite (percentage, more is better) ***Random** **Random** **Sandom** **San	Arrival-time	36.8		44.0	33.6	33.7						42.0
Time-to-live 28.3 29.5 29.6 29.6 38.0 38.8 35.2 42.1 34.6 29.8	. ☐ Replications				45.5	79.0		82.3		96.9		89.1
Time-to-live 28.3 26.5 35.2 29.6 26.0 38.0 38.8 35.2 42.1 34.0 29.8	Relayed-nodes											
Metric Composite (percentage, more is better) **Random												
Random S6.0 62.6 45.0 33.6 73.4 44.6 46.1 61.8 67.1 38.1 66.6	Message-size	62.2	59.0	64.8	49.4	57.2	51.5	89.3	75.6	96.9	51.6	85.9
Random S6.0 62.6 45.0 33.6 73.4 44.6 46.1 61.8 67.1 38.1 66.6	Metric	1			Compo	site (per	rcentage	, more is	better)			
Arrival-time 46.4 54.3 40.6 28.9 63.6 46.0 43.6 53.3 52.5 35.9 57.9 Replications 70.8 75.9 61.1 46.3 81.7 49.1 57.8 74.4 81.3 46.5 79.6 Relayed-nodes 76.0 85.3 61.1 52.2 83.9 47.4 58.7 79.1 66.1 42.6 83.3 Time-to-live 47.2 51.7 44.0 32.7 48.5 42.2 47.4 53.4 49.9 41.6 54.9 Message-size 68.9 71.0 65.2 61.9 69.8 43.7 62.8 68.4 67.8 48.9 73.7 Arrival-time 71.3 76.1 60.6 45.9 78.7 45.4 59.2 72.9 77.7 41.3 80.4 Replications 44.9 51.0 38.6 29.2 53.8 43.4 40.5 51.4 51.1 33.7 55.7 Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9	× Random	56.0	62.6	45.0	33.6	73.4	44.6	46.1	61.8	67.1	38.1	66.6
Replications 70.8 75.9 61.1 46.3 81.7 49.1 57.8 74.4 81.3 46.5 79.6 Relayed-nodes 76.0 85.3 61.1 52.2 83.9 47.4 58.7 79.1 66.1 42.6 83.3 Time-to-live 47.2 51.7 44.0 32.7 48.5 42.2 47.4 53.4 49.9 41.6 54.9 Message-size 68.9 71.0 65.2 61.9 69.8 43.7 62.8 68.4 67.8 48.9 73.7 Arrival-time 71.3 76.1 60.6 45.9 78.7 45.4 59.2 72.9 77.7 41.3 80.4 Replications 44.9 51.0 38.6 29.2 53.8 43.4 40.5 51.4 51.1 33.7 55.7 Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9	Arrival-time											
Message-size 68.9 71.0 65.2 61.9 69.8 43.7 62.8 68.4 67.8 48.9 73.7 Arrival-time 71.3 76.1 60.6 45.9 78.7 45.4 59.2 72.9 77.7 41.3 80.4 Replications 44.9 51.0 38.6 29.2 53.8 43.4 40.5 51.4 51.1 33.7 55.7 Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9	Replications											
Message-size 68.9 71.0 65.2 61.9 69.8 43.7 62.8 68.4 67.8 48.9 73.7 Arrival-time 71.3 76.1 60.6 45.9 78.7 45.4 59.2 72.9 77.7 41.3 80.4 Replications 44.9 51.0 38.6 29.2 53.8 43.4 40.5 51.4 51.1 33.7 55.7 Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9	Relaved-nodes											
Message-size 68.9 71.0 65.2 61.9 69.8 43.7 62.8 68.4 67.8 48.9 73.7 Arrival-time 71.3 76.1 60.6 45.9 78.7 45.4 59.2 72.9 77.7 41.3 80.4 Replications 44.9 51.0 38.6 29.2 53.8 43.4 40.5 51.4 51.1 33.7 55.7 Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9	Time-to-live											
Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9												
Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9	Arrival time											
Relayed-nodes 46.1 51.9 38.0 32.3 55.7 36.2 43.8 53.9 52.5 26.8 59.4 Relayed-nodes 53.2 54.5 37.6 40.2 62.6 45.3 41.1 57.7 Relayed-nodes 53.2 54.5 37.6 40.2 62.6 45.3 41.1 57.7 Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9 Message-size 57.9 60.6 53.8 52.7 64.2 53.5 60.5 62.1 58.7 46.9 64.0 Message-size 57.9 60.6 53.8 52.7 64.2 53.5 60.5 62.1 58.7 46.9 64.0	Replications											
Time-to-live 82.2 87.4 71.2 47.0 87.1 50.8 64.3 80.4 82.9 52.0 88.9 Message-size 57.9 60.6 53.8 52.7 64.2 53.5 60.5 62.1 58.7 46.9 64.0	Relayed-nodes											
Message-size 57.9 60.6 53.8 52.7 64.2 53.5 60.5 62.1 58.7 46.9 64.0	Time-to-live											
	Message-size	57.9	60.6	53.8	52.7	64.2	53.5	60.5	62.1	58.7	46.9	64.0

Queue Policy

Queue Policy

Queue Policy

10.3 10.5 10.3 10.9 9.7 10.3 10.3 10.7 10.1

11.8

147.7

140.5

139.4

138.0

153.0

143.9

144.6

143.9

248.6

75.2

75.7

62.2

62.0

76.4

68.8

61.8

75.8

76.0

61.8

74.6

48.8

48.8

54.8

54.8

49.9

50.6

54.5

48.9

49.3

54.4

43.3

Message-size

10.1

147.9 167.1 242.2 129.6 148.2

Time-to-live

11.2

10.3

9.4

11.1

10.3

8.8

9.4

9.8

9.8

9.8

9.9

125.8

136.4

112.7

113.7

161.4

139.6

122.6

133.7

97.9

97.2

101.0

81.0

93.2

101.9

79.2

78.7

96.8

85.4

71.7

92.1

42.7

40.5

46.7

45.4

41.1

45.0

47.3

41.3

46.4

51.0

45.7

131.0 146.0