Modeling environments comparison studies – - Ptolemy Classic vs others

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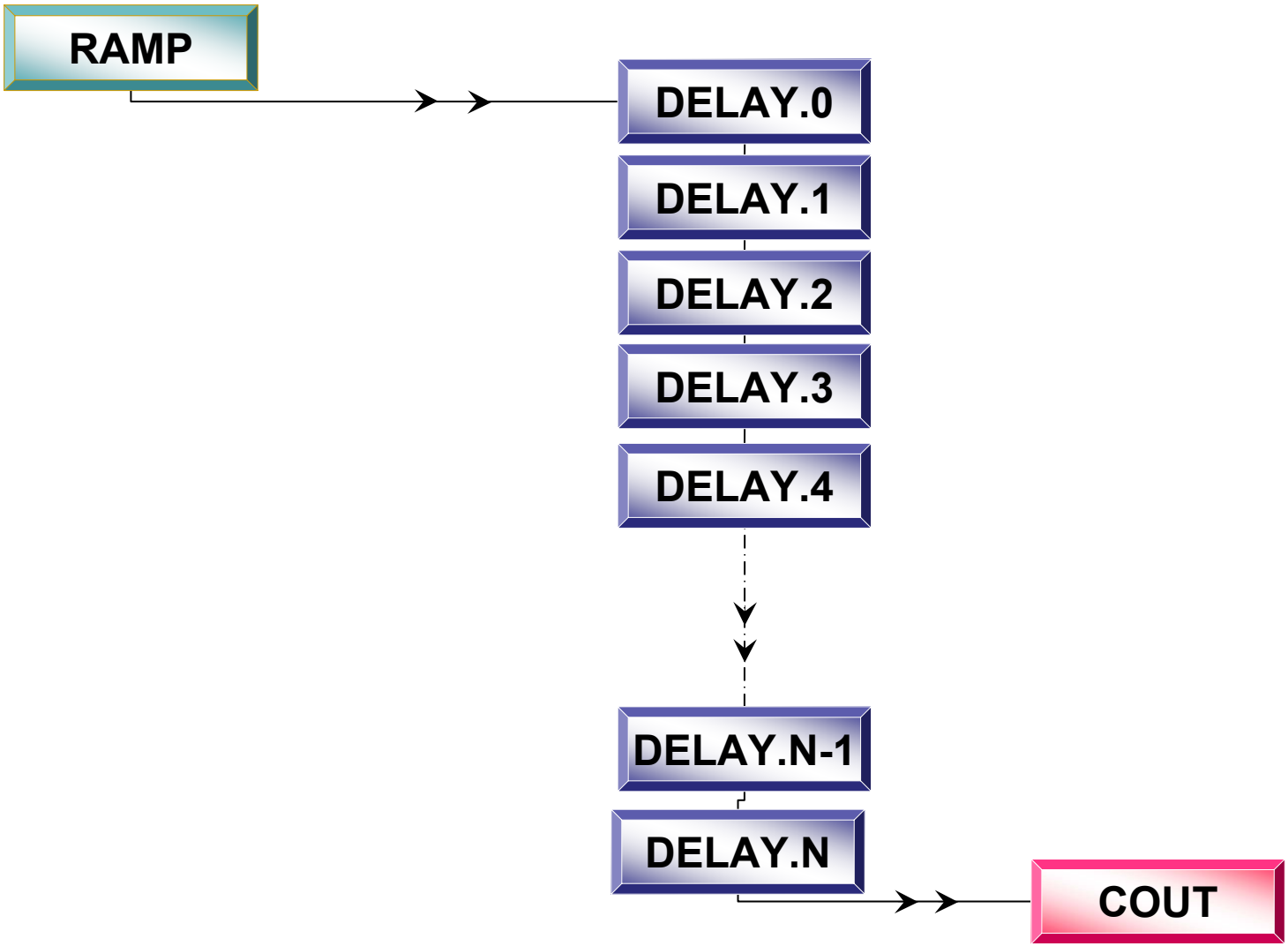
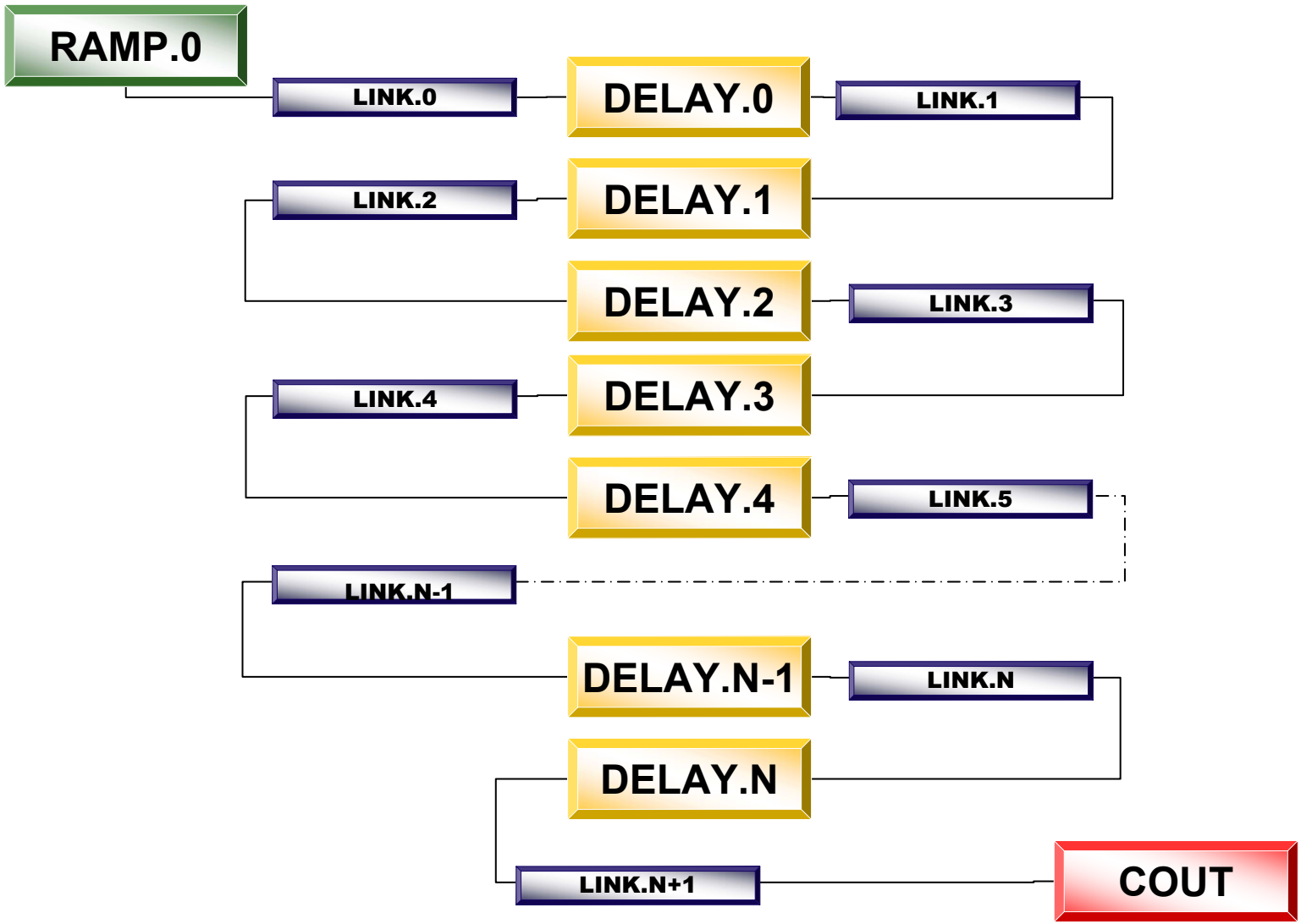
Arrangement of Elements



Arrangement of Elements (with Link)



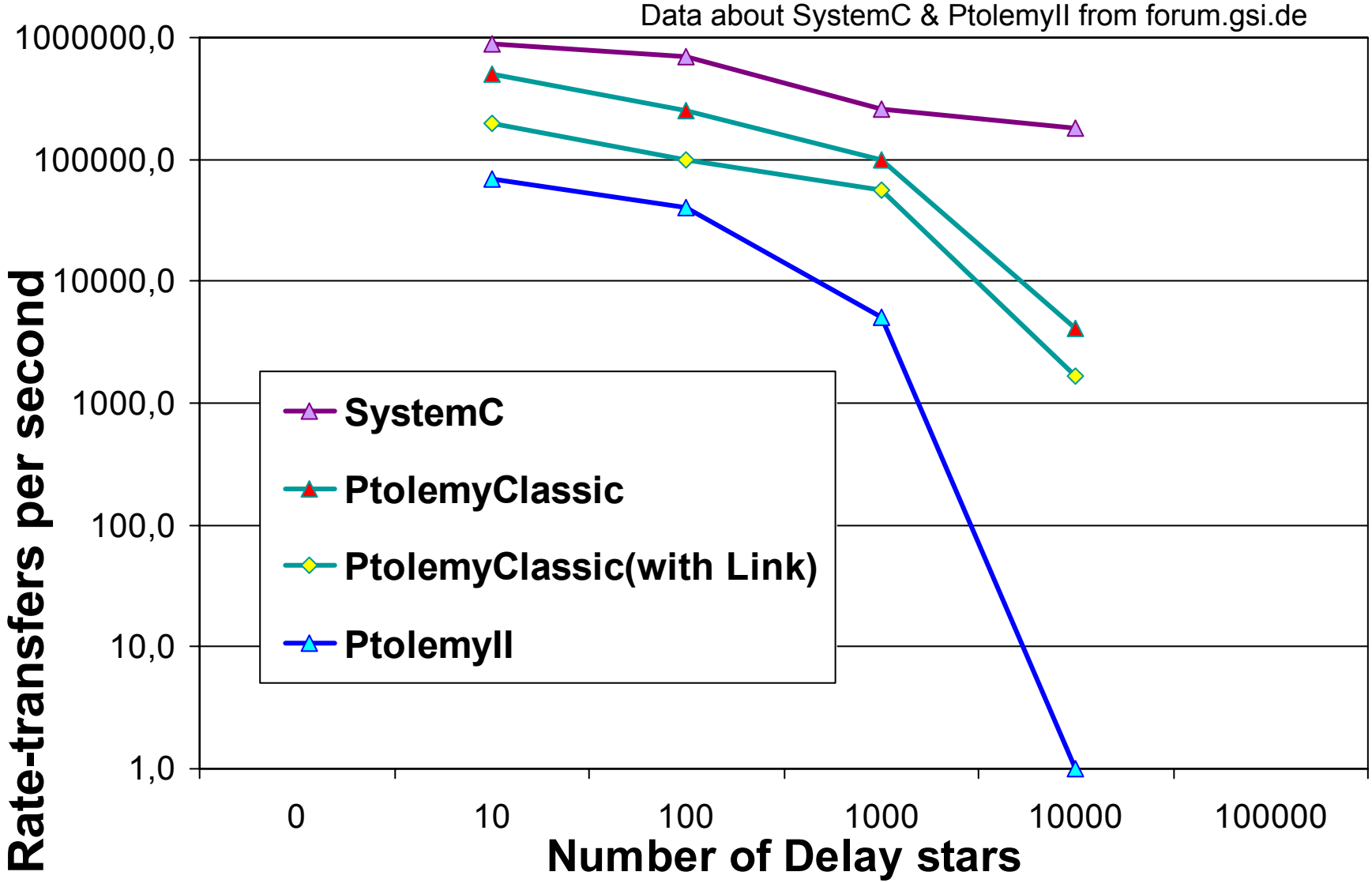
Chain without Link

Number of Delay stars	Number of generated tokens by Clock star	Total number of data transfers during run	Preparation Time [sec]	Simulation Time [sec]	Rate- -transfers per second	Used memory size [MB]
10^1	10^5	10^6	<1	2	$5*10^5$	3,9
10^2	10^4	10^6	<1	4	$2,5*10^5$	4,0
10^3	10^3	10^6	3	7	10^5	5,3
10^4	10^2	10^6	240	6	4065	15,5

Chain with Link

Number of Delay stars	Number of generated tokens by Clock star	Total number of data transfers during run	Preparation Time [sec]	Simulation Time [sec]	Rate- -transfers per second	Used memory size [MB]
10^1	10^5	10^6	<1	5	$2*10^5$	3,9
10^2	10^4	10^6	<1	10	10^5	4,1
10^3	10^3	10^6	6	12	55555	6,1
10^4	10^2	10^6	590	12	1661	23,3

Summary – rate with preparation time



Summary – only simulation time