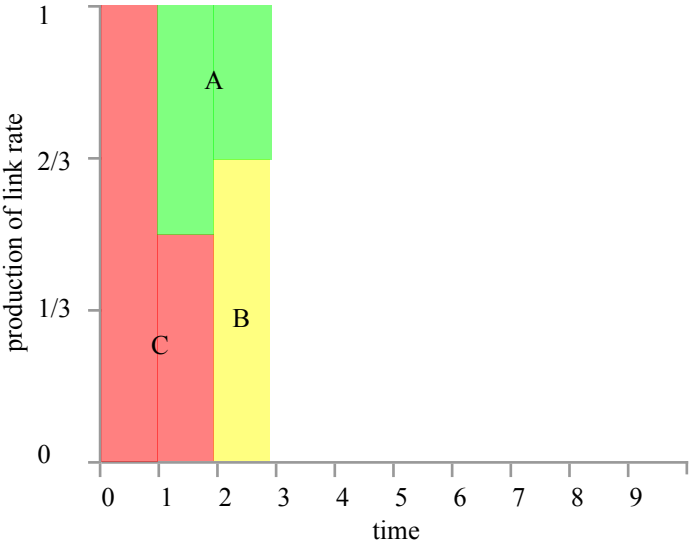
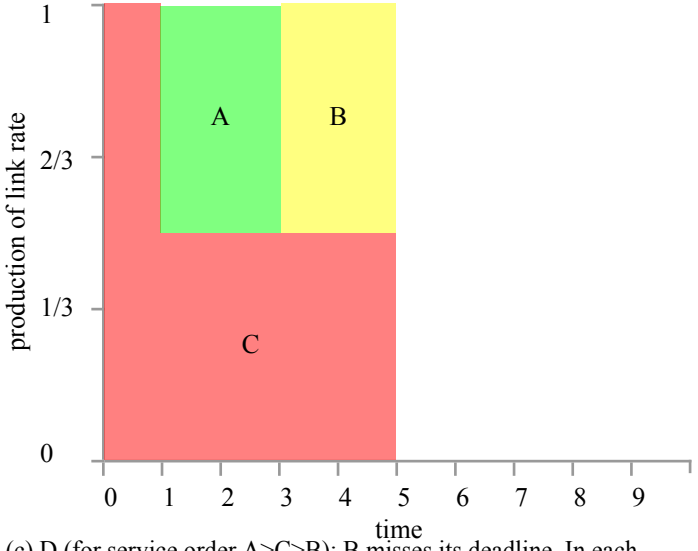
	Size	Deadline	$T_{arrival}$
A	1	3	1
B	2	5	2
C	5	9	0

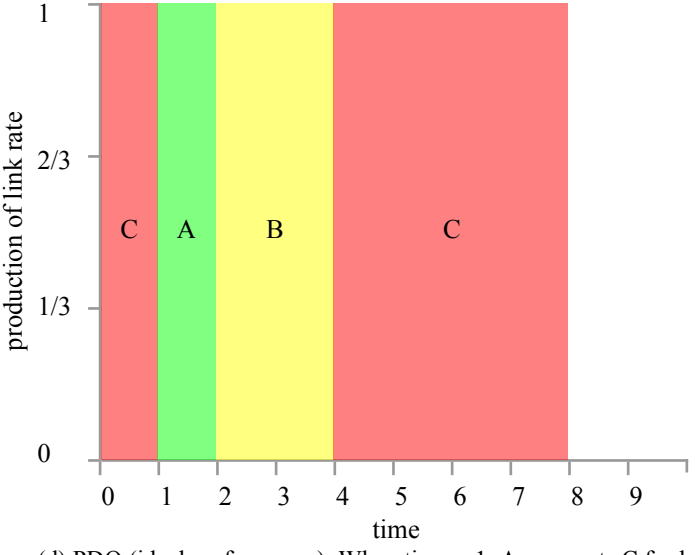
(a) Flow information



(b) DCTCP: A misses its deadline. Bandwidth is allocated equally among all requests



(c) D (for service order A>C>B): B misses its deadline. In each allocation loop, C request is served earlier than B, so that C always gets its desired rate (1/2 link rate). Then B i sallocated the rest of available bandwisth, which is less than its desired rate(2/3 link rate). However, if B could be served prior to C, its deadline would be atisfied.



(d) PDQ (ideal performance): When time = 1, A preempts C for having an earlier deadline. When time = 2, A is completed, and B preempts C for the same reason. A and B are both able to complete as quickly as possible.