1	
D	9-5-2019
	General Synchronous network
	Flood max algorithm for Ceadler election
	Termination?
	Termination? No diam known?
	n (diam unknown. [no procen knows
	n a diam]
	Ly diam known? O (diam) time
	n known, diam unknown!
	n known diam unknown.
	forward largest id seen so fan
	no more than once on each link.
	[optimal Ploodmax 3, as in
	the book 7
	run for n-1 rounds.
	TIE (NOW NO.
	time: o(n) rumels
	Missage: O (diam IEI)
	Mussage; O (diam (E1)
	reduce further?
	Keep messages ocdiam. (E1) e when time ocdiam. (E1) e diam
	times of diami
	unknown

Let us look at the process with max-id, · U mat A message containing Umax arrives at a process, say, re for the 1st time. - W of max-id (U max) re does the following Choose w as a its parent updates largest_id_seen_so-far to Umax forward this id to all others. [if I max come in the Same served from multiple neighbors choose one of them to be the parend]
this "tree" will grow. This true is sooted at Umax etample 225 0 123

3 Every message will get a reply". reject accept or "you are my parent" The tree grows. When does the tree Stop growing? All forwarded messages are & rejected? 9 10 roussges Termination starts from Leat processes: Send a I'm done mensage to parent. Non-leaf: (interior wester in the tree), when a reply (I'm done a reject) is received, send I'm done to parent