SWIM Failure Detector

Parameter	SWIM
First Detection Time	• Expected $\left[\frac{e}{e-1}\right]$ periods • Constant (independent of group size)
Process Load	• Constant per period • < 8 L* for 15% loss
False Positive Rate	Tunable (via K)Falls exponentially as load is scaled
Completeness	 Deterministic time-bounded Within O(log(N)) periods w.h.p.