## TWO PHASE COMMIT (2PC)

## Transaction T is

- initiated at site  $S_i$  with coordinator  $C_i$ ,  $1 \le i \le n$ , and
- is executed at sites  $S_k$ ,  $1 \le k \le n$ .

Phase	coordinator $C_i$	transaction manager at site $S_k$
	<pre><pre> <pre></pre></pre></pre>	$S_k$ either decides to commit or to abort:
1	ready <b>←</b>	$S_k$ holds all locks of $T$ until end of phase 2 $\begin{array}{c} decides \ to \ abort \\ \\ \\ \\ \\ \\ \end{array}$
2	if all $S_k$ reply ready T: $<$ commit T> log	commit T>  log  ↓
	else:  (timeout or abort T from at least one site)    log	abort T>