

Dist. Algorithms for FT

© Simin Nadjm-Tehrani, 2003

## Earlier systems ... No partition (Every crashed node was trivially an unreachable singleton partition) Applications may work with -primary partitions - multiple partitions

2

Dist. Algorithms for FT © Simin Nadjm-Tehrani, 2003











## Specification (2)

## View completeness

if there is a time after which all processes in a partition **q** are not reachable from the rest of the group, then eventually all processes outside **q** will permanently exclude members of **q** from their views

Dist. Algorithms for FT © Simin N

© Simin Nadjm-Tehrani, 2003

9

## Specification (3)

• View coherency

if a correct process p installs view v then either all processes in v install v, or p eventually installs an immediate successor to v

Dist. Algorithms for FT © Simin Nadjm-Tehrani, 2003

10



















