send/receive Chart

Introduction

These charts summarize the actions of the send and receive primitives using both blocking and non-blocking mode and explicit and implicit naming.

Charts

This chart summarizes how naming and blocking affects the send primitive.

send	blocking	non-blocking
explicit naming	send message to receiver; wait until message accepted	send message to receiver
implicit naming	broadcast message; wait until all processes accept message	broadcast message

This chart summarizes how naming and blocking affects the receive primitive.

receive	blocking	non-blocking
explicit naming	wait for message from named sender	if there is a message from the named sender, get it; otherwise, proceed
implicit naming	wait for message from any sender	if there is a message from any sender, get it; otherwise, proceed