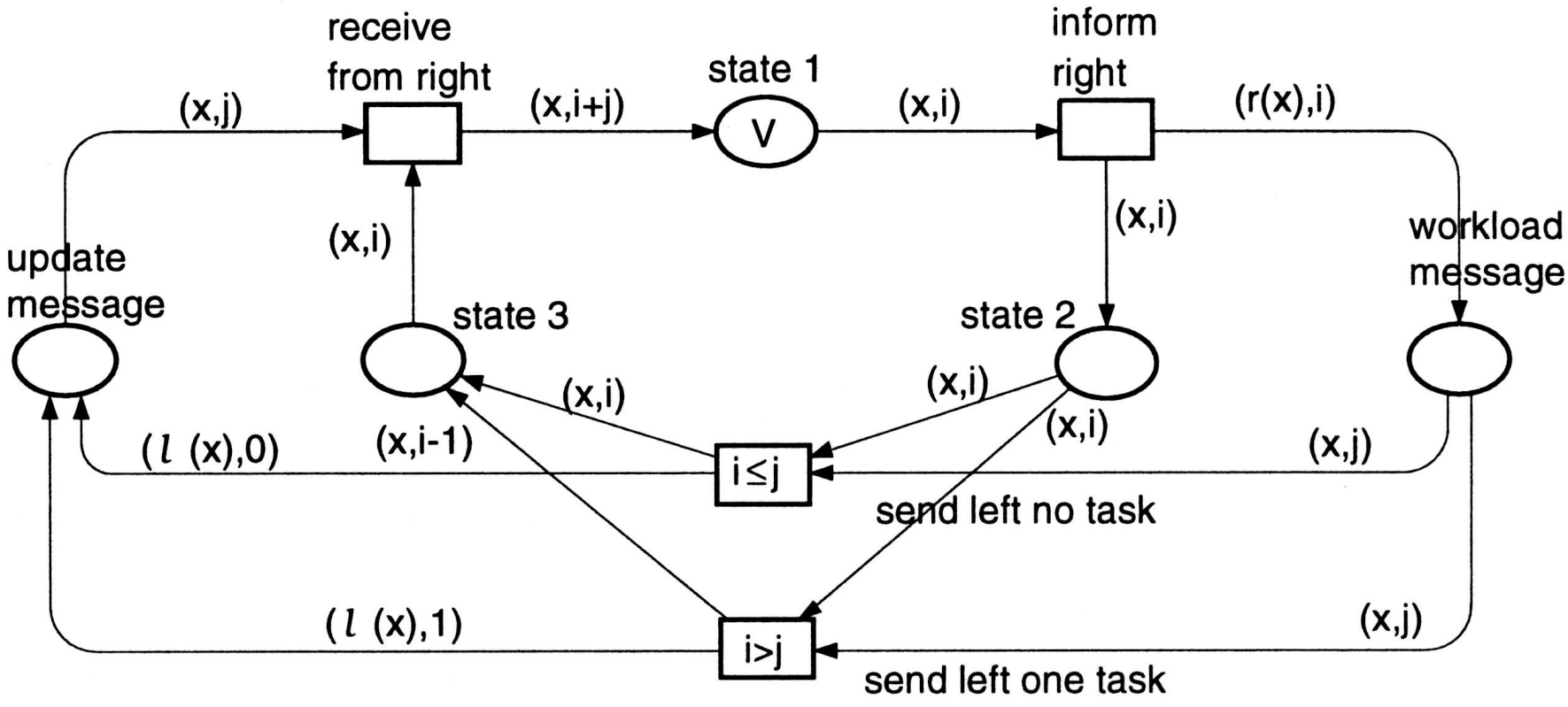

sort site
sort alloc = site × nat

const U : set of sites
const V : set of alloc
fct l , r : site → site

var i, j : nat
var x,y : site
$\forall\, x \in U\ \exists_1 i \in nat : (x,i) \in V$
$x \neq y \Rightarrow r(x) \neq r(y)$
$\exists\, n \in nat : r^n(x) = x$
$\forall x\ \forall y\ \exists\, n \in nat: y = r^n(x)$
$l\ (r(x)) = x$

Figure 37.1. Distributed load balancing