

FIGURE 4.8

The Set Operations

FIGURE 4.8(a)

Union-Compatible Relations MainFac and BranchFac

MainFac

FacID	name	department	rank
F101	Adams	Art	Professor
F105	Tanaka	CSC	Instructor
F221	Smith	CSC	Professor

BranchFac

FacID	name	department	rank
F101	Adams	Art	Professor
F110	Byre	Math	Assistant
F115	Smith	History	Associate
F221	Smith	CSC	Professor

FIGURE 4.8(b)

MainFac UNION BranchFac

MainFac UNION BranchFac

FacID	name	department	rank
F101	Adams	Art	Professor
F105	Tanaka	CSC	Instructor
F110	Byrne	Math	Assistant
F115	Smith	History	Associate
F221	Smith	CSC	Professor

FIGURE 4.8(c)

MainFac INTERSECTION BranchFac

MainFac INTERSECTION BranchFac

FacID	name	department	rank
F101	Adams	Art	Professor
F221	Smith	CSC	Professor

FIGURE 4.8(d)

MainFac MINUS BranchFac

MainFac MINUS BranchFac

FacID	name	department	rank
F105	Tanaka	CSC	Instructor