Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

I	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	0	0	I	I	0	=	I	I	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	I	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	0	0	I	I	0	=	X	I	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	I	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	0	0	I	I	0	=	X	I	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	I	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	0	0	I	I	0	=	X	X	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	0	0	I	I	0	=	X	X	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	0	0	I	I	0	=	X	X	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	0	0	I	I	0	=	X	X	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	O	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	0	I	I	0	=	X	X	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	0	I	I	0	=	X	X	0	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	O	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	0	I	I	0	=	X	X	X	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	0	I	I	0	=	X	X	X	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	0	I	I	0	=	X	X	X	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	O	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	O	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	0	=	X	X	X	0	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	0	=	X	X	X	X	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	0	=	X	X	X	X	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	I	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	0	=	X	X	X	X	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	0	=	X	X	X	X	I	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	I	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	0	=	X	X	X	X	X	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	0	=	X	X	X	X	X	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	0	=	X	X	X	X	X	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	X	I	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	I	0	=	X	X	X	X	X	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	0	=	X	X	X	X	X	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, O, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, O, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, O, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, O, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	O	O	␣	␣	␣	␣	␣	␣	␣	␣	␣

Computing ... (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	0	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X	X	X	X	X	X	0	=	X	X	X	X	X	0	0	␣	␣	␣	␣	␣	␣	␣	␣	␣

Halted (rejected) (*Accept:* q_{acc} , *Reject:* q_{re})

equal?	␣	=	I	O	X
$\rightarrow q_0$	$(q_{re}, ␣, \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_{be}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \mathtt{I}, \mathcal{L})$	$(q_{be}, \mathtt{O}, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{L})$
q_{bf}	$(q_{acc}, ␣, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{bf}, \mathtt{I}, \mathcal{L})$	$(q_{bf}, \mathtt{O}, \mathcal{L})$	$(q_0, \mathtt{X}, \mathcal{R})$
q_f	$(q_{re}, ␣, \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, \mathtt{I}, \mathcal{R})$	$(q_f, \mathtt{O}, \mathcal{R})$	$(q_f, \mathtt{X}, \mathcal{R})$
$q_{f'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, \mathtt{I}, \mathcal{R})$	$(q_{f'}, \mathtt{O}, \mathcal{R})$	$(q_{f'}, \mathtt{X}, \mathcal{R})$
q_o	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_o, \mathtt{X}, \mathcal{R})$
$q_{o'}$	$(q_{re}, ␣, \mathcal{L})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{be}, \mathtt{X}, \mathcal{R})$	$(q_{re}, ␣, \mathcal{L})$	$(q_{o'}, \mathtt{X}, \mathcal{R})$

X	X	X	X	X	X	O	=	X	X	X	X	X	␣	O	␣	␣	␣	␣	␣	␣	␣	␣	␣