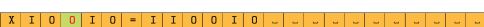
equal?	_	=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}$ , I, $\mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, R)$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$oldsymbol{q}_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

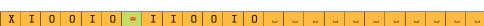
equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}$ , I, $\mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, R)$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$oldsymbol{q}_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

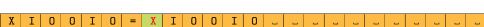
equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, ℒ)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},   \_,   \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, \_, \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \_,   \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	J	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

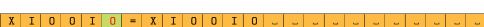
equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

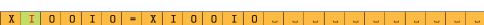


equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

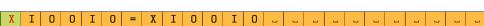
equal?		=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, R)$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, \mathcal{R})$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$



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

equal?	_	=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \_,   \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L)$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	J	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$

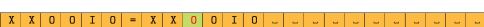
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, R)$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$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

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \_,   \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L)$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$

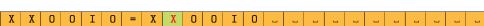
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L)$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, R)$

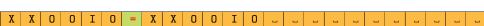


equal?		=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$

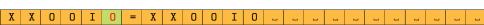


equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

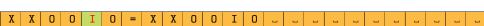
equal?		=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



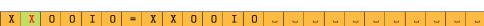
equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

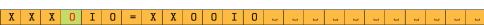
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \_,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, \mathcal{R})$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

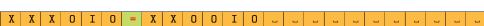
equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
<b>q</b> f	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

X | X | X | O | I | O | = | X | X | O | O | I | O | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

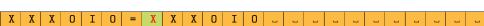
equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?		=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{o'}, X, R)$



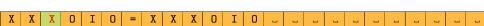
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $\mathbb{O}$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \_,   \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L)$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

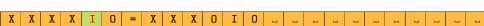
equal?		=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, R)$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, \mathcal{R})$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$

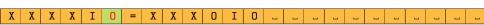


equal?	_	=	I	0	Х
$\rightarrow q_0$	(q <sub>re</sub> , _, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, \mathcal{R})$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

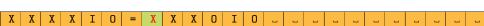


equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, R)$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

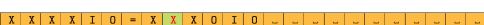


equal?	J	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, R)$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L)$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L)$	$(q_{o'}, X, R)$

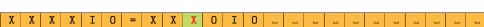
equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



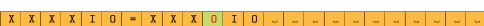
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



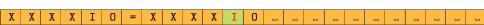
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, R)$



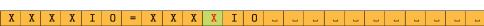
equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



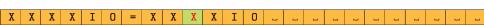
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



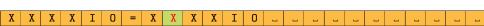
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, R)$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

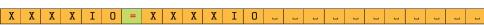


equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

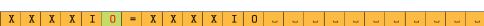


equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

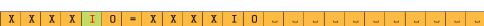
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	J	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



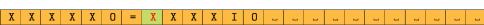
13	İ		-		77
equal?	_	=	I	U	X
$ ightarrow q_0$	$(q_{re},   \_,   \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, \mathcal{R})$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	J	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, 0, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, L, \mathcal{L})$	$(q_{be}, X, R)$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

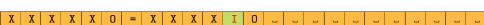


equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

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

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



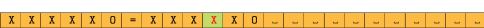
equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?		=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},   \Box,   \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

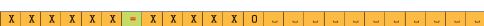
equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

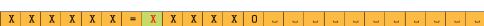
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equal?	J	=	I	U	Х
$ ightarrow q_0$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, \ 0, \ \mathcal{L})$	$(q_0, X, \mathcal{R})$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, \lrcorner,  \mathcal{L})$	$(q_{o'}, X, R)$

equal?	_	=	I	0	Х
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, 0, \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $\mathbb{O}$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, R)$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , ∟, ∠)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, 0, \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, L)$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, R)$



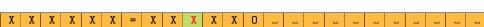
equal?	J	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re}, \_, \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re}, L, \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



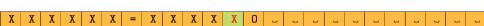
equal?	_	=	I	0	X
$ ightarrow q_0$	(q <sub>re</sub> , □, L)	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},   \_,   \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, \mathcal{R})$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \_, \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \Box,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$



equal?	_	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, \mathcal{R})$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re}, \_, \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}, 0, \mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, R)$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$



equal?	<u>.</u>	=	I	0	Х
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, I, \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},  \_,  \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, R)$
$q_{f'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ 0, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re}, L, \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, \mathcal{R})$

## Halted (accepted) (Accept: $q_{acc}$ , Reject: $q_{re}$ )

equal?	_	=	I	0	X
$ ightarrow q_0$	$(q_{re},  \_,  \mathcal{L})$	$(q_{acc}, =, \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$	$(q_f, X, R)$	$(q_0, X, R)$
$q_{be}$	$(q_{acc}, \_, \mathcal{R})$	$(q_{bf}, =, \mathcal{L})$	$(q_{be}, \; \mathtt{I}, \; \mathcal{L})$	$(q_{be}, \ O, \ \mathcal{L})$	$(q_{be}, X, \mathcal{L})$
$q_{bf}$	$(q_{acc},  \_,  \mathcal{R})$	$(q_{re},  \_,  \mathcal{L})$	$(q_{bf}, I, \mathcal{L})$	$(q_{bf}$ , $0$ , $\mathcal{L})$	$(q_0, X, R)$
$q_f$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_o, =, \mathcal{R})$	$(q_f, I, \mathcal{R})$	$(q_f, \ 0, \ \mathcal{R})$	$(q_f, X, \mathcal{R})$
$q_{f'}$	$(q_{re},  \lrcorner,  \mathcal{L})$	$(q_{o'}, =, \mathcal{R})$	$(q_{f'}, I, \mathcal{R})$	$(q_{f'}, \ O, \ \mathcal{R})$	$(q_{f'}, X, \mathcal{R})$
$q_o$	$(q_{re},  \_,  \mathcal{L})$	$(q_{re}, \ \_, \ \mathcal{L})$	$(q_{re},   \lrcorner,   \mathcal{L})$	$(q_{be}, X, R)$	$(q_o, X, R)$
$q_{o'}$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{re}, \lrcorner, \mathcal{L})$	$(q_{be}, X, \mathcal{R})$	$(q_{re},  \Box,  \mathcal{L})$	$(q_{o'}, X, R)$

