$(\backslash x . x) a$

$(\backslash x . x\ a)$

$\quad a$

$\backslash x . x\ a$

$\quad a$

$(\backslash x . \backslash y . x) a\ b$

$\quad (\backslash x . \backslash y . x\ a)\ b$

$\quad\quad (\backslash y . a\ b)$

$\quad\quad\quad a$

$(\backslash x . \backslash y . y) a\ b$

$\quad (\backslash x\ \backslash y . y\ a) b$

$\quad\quad (\backslash y - y) b$

$\quad\quad (\backslash y . y\ b)$

$\quad\quad\quad b$

$(\backslash x . \backslash y . x) a\ b\ c$

$\quad (\backslash x . \backslash y . x\ a)\ b\ c$

$\quad\quad (\backslash y . a\ b)\ c$

$\quad\quad\quad a\ c$

$(\backslash x . \backslash y . y) a\ b\ c$

$(\backslash x . \backslash y . y\ a) b\ c$

$(\backslash y . y) b\ c$

$(\lambda y.y\ b)\ c$
$\quad b\ c$

$(\lambda x.\lambda y.x)\ a\ (b\ c)$
$\quad (\lambda x.\lambda y.x\ a)\ (b\ c)$
$\quad\quad (\lambda y.a)\ (b\ c)$
$\quad\quad (\lambda y.a\ (b\ c))$
$\quad\quad\quad a$

$(\lambda x.\lambda y.y)\ a\ (b\ c)$
$\quad (\lambda x.\lambda y.y\ a)\ (b\ c)$
$\quad (\lambda y.y)\ (b\ c)$
$\quad (\lambda y.y\ (b\ c))$
$\quad\quad b\ c$

$(\lambda x.\lambda y.x)\ (a\ b)\ c$
$\quad (\lambda x.\lambda y.x\ (a\ b))\ c$
$\quad (\lambda y.(a\ b))\ c$
$\quad (\lambda y.(a\ b)\ c)$
$\quad\quad a\ b$

$(\lambda x.\lambda y.x)\ (a\ b\ c)$
$\quad (\lambda x.\lambda y.x\ (a\ b\ c))$
$\quad (\lambda y.(a\ b\ c))$
$\quad\quad a\ b\ c$

$(\lambda x. \lambda y. y) (a\ b\ c)$
$(\lambda x. \lambda y. y (a\ b\ c))$
$(\lambda y. y)$
$\lambda y. y$

Eliminate $(\lambda x. x) ((\lambda y. y) a)$
$(\lambda y. y\ a)$
a