Example ack three .
Input term: $(\lambda m.(m@_1(\lambda g.\lambda n.(n@_2 g)@_3(g@_4(\lambda s1.\lambda z1.s1@_5 z1))))@_6(\lambda n2.\lambda s2.\lambda z2.(n2@_7 s2)@_8(s2@_9 z2)))@_{10}(\lambda s.\lambda z.s@_{11}(s@_{12}(s@_{13}z)))$
Normal form: $\lambda n.(n@(\lambda n.(n@(\lambda n2.\lambda s2.\lambda z2.(n2@s2)@(s2@z2)))@(\lambda s2.\lambda z2.s2@(s2@z2))))@(\lambda s2.\lambda z2.s2@(s2@(s2@z2)))))@(\lambda s2.\lambda z2.s2@(s2@(s2@(s2@z2)))))$

Example p zero .
Input term: $(\lambda t.(((t@_1(\lambda n.\lambda a.\lambda x.n@_2(\lambda s.\lambda z.(a@_3 s)@_4((x@_5 s)@_6 z))))@_7(\lambda a1.a1))@_8(\lambda s1.\lambda z1.z1)))@_9(\lambda s2.\lambda z2.z2)$
Normal form: $\lambda s1.\lambda z1.z1$

Example p one three .
Input term: $((\lambda t.(((t@_1(\lambda n.\lambda a.\lambda x.n@_2(\lambda s.\lambda z.(a@_3 s)@_4((x@_5 s)@_6 z))))@_7(\lambda a1.a1))@_8(\lambda s1.\lambda z1.z1)))@_9(\lambda s2.\lambda z2.s2@_{10}z2))@_{11}(\lambda s3.\lambda z3.s3@_{12}(s3@_{13}(s3@_{14}z3)))$
Normal form: $\lambda s.\lambda z.s@(s@(s@z))$

Example p two three four .
Input term: $(((\lambda t.(((t@_1(\lambda n.\lambda a.\lambda x.n@_2(\lambda s.\lambda z.(a@_3 s)@_4((x@_5 s)@_6 z))))@_7(\lambda a1.a1))@_8(\lambda s1.\lambda z1.z1)))@_9(\lambda s2.\lambda z2.s2@_{10}(s2@_{11}z2)))@_{12}(\lambda s3.\lambda z3.s3@_{13}(s3@_{14}(s3@_{15}z3))))@_{16}(\lambda s4.\lambda z4.s4@_{17}(s4@_{18}(s4@_{19}(s4@_{20}z4))))$
Normal form: $\lambda s.\lambda z.s@(s@(s@(s@(s@(s@(s@z))))))$

Example p three three four five .
Input term: $((((\lambda t.(((t@_1(\lambda n.\lambda a.\lambda x.n@_2(\lambda s.\lambda z.(a@_3 s)@_4((x@_5 s)@_6 z))))@_7(\lambda a1.a1))@_8(\lambda s1.\lambda z1.z1)))@_9(\lambda s2.\lambda z2.s2@_{10}(s2@_{11}(s2@_{12}z2))))@_{13}(\lambda s3.\lambda z3.s3@_{14}(s3@_{15}(s3@_{16}z3))))@_{17}(\lambda s4.\lambda z4.s4@_{18}(s4@_{19}(s4@_{20}(s4@_{21}z4)))))@_{22}(\lambda s5.\lambda z5.s5@_{23}(s5@_{24}(s5@_{25}(s5@_{26}(s5@_{27}z5)))))$
Normal form: $\lambda s.\lambda z.s@(s@(s@(s@(s@(s@(s@(s@(s@(s@(s@z))))))))))$

Example p one .
Input term: $(\lambda t.(((t@_1(\lambda n.\lambda a.\lambda x.n@_2(\lambda s.\lambda z.(a@_3 s)@_4((x@_5 s)@_6 z))))@_7(\lambda a1.a1))@_8(\lambda s1.\lambda z1.z1)))@_9(\lambda s2.\lambda z2.s2@_{10}z2)$
Normal form: $\lambda x.\lambda s.\lambda z.(x@s)@z$

Example p two .
Input term: $(\lambda t.(((t@_1(\lambda n.\lambda a.\lambda x.n@_2(\lambda s.\lambda z.(a@_3 s)@_4((x@_5 s)@_6 z))))@_7(\lambda a1.a1))@_8(\lambda s1.\lambda z1.z1)))@_9(\lambda s2.\lambda z2.s2@_{10}(s2@_{11}z2))$
Normal form: $\lambda x.\lambda x.\lambda s.\lambda z.(x@s)@((x@s)@z)$

Example ex_1 .
Input term: $(g@_1(\lambda n.n))$
Normal form: $g@\lambda n.n$

Example ex_2 .
Input term: $((\lambda h.h)@_1(\lambda f.f))@_2 a$
Normal form: a

Example ex_3 .
Input term: $((\lambda h.h@_1 a)@_2(\lambda f.f))$
Normal form: a

Example ex_4 .
Input term: $\lambda f.\lambda y.(y@_1 f)@_2 y$
Normal form: $\lambda f.\lambda y.(y@f)@y$

Example ex_4' .
Input term: $\lambda f.\lambda y.(y@_1(\lambda z.z))@_2 y$
Normal form: $\lambda f.\lambda y.(y@\lambda z.z)@y$

Example ex_5 .
Input term: $\lambda y.\lambda f.(y@_1 f)@_2 y$
Normal form: $\lambda y.\lambda f.(y@f)@y$

Example succ two .
Input term: $(\lambda n.\lambda s.\lambda z.(n@_1 s)@_2(s@_3 z))@_4(\lambda p.\lambda o.p@_5(p@_6 o))$
Normal form: $\lambda s.\lambda z.s@(s@(s@z))$

Example ex_9 .
Input term: $(\lambda x.x@_1 x)@_2(\lambda z.z)$
Normal form: $\lambda z.z$

Example ex_11 .
Input term: $(\lambda x.\lambda y.x@_1(x@_2 y))@_3(\lambda p.q)$
Normal form: $\lambda y.q$

Example ex_f0 .
Input term: $(\lambda n.(n@_1(\lambda s.\lambda z.s@_2(s@_3((n@_4s)@_5z))))@_6(\lambda s1.\lambda z1.z1))@_7(\lambda s2.\lambda z2.z2)$
Normal form: $\lambda s1.\lambda z1.z1$

Example ex_f1 .
Input term: $(\lambda n.(n@_1(\lambda s.\lambda z.s@_2(s@_3((n@_4s)@_5z))))@_6(\lambda s1.\lambda z1.z1))@_7(\lambda s2.\lambda z2.s2@_8z2)$
Normal form: $\lambda z.\lambda z1.z1$

Example ex_f2 .
Input term: $(\lambda n.(n@_1(\lambda s.\lambda z.s@_2(s@_3((n@_4s)@_5z))))@_6(\lambda s1.\lambda z1.z1))@_7(\lambda s2.\lambda z2.s2@_8(s2@_9z2))$
Normal form: $\lambda z.\lambda z1.z1$

Example ex_LO1 .
Input term: $(\lambda f.\lambda x.f@_1(x@_2((f@_3x)@_4x)))@_5(\lambda a.\lambda b.a)$
Normal form: $\lambda x.\lambda b.x@x$

Example ex_LO2 .
Input term: $(\lambda x.(x@_1x)@_2x)@_3(\lambda a.\lambda b.a)$
Normal form: $\lambda a.\lambda b.a$

Example ex_LO3 .
Input term: $(\lambda x.x@_1(\lambda y.y))@_2(\lambda a.\lambda b.b)$
Normal form: $\lambda b.b$

Example ex_LO4 .
Input term: $(\lambda x.x@_1(\lambda y.y))@_2(\lambda a.\lambda b.a)$
Normal form: $\lambda b.\lambda y.y$

Example ex_1 .
Input term: $(g@_1(\lambda n.n))$
Normal form: $g@\lambda n.n$

Example NPR .
Input term: $((\lambda h.\lambda z.((h@_1(\lambda x.((h@_2(\lambda q.x))@_3a)))@_4(z@_5a)))@_6(\lambda f.\lambda y.f@_7((g@_8(\lambda b.b))@_9y)))@_{10}(g@_{11}(\lambda n.n))$
Normal form: $(g@\lambda b.b)@((g@\lambda n.n)@a)$

Example mut three two .
Input term: $((\lambda m.\lambda n.\lambda s.\lambda z.(m@_1(n@_2s))@_3z)@_4(\lambda a.\lambda q.a@_5(a@_6(a@_7q))))@_8(\lambda d.\lambda e.d@_9(d@_{10}e))$
Normal form: $\lambda s.\lambda z.s@(s@(s@(s@(s@(s@z)))))$