(a) (Yxyyymyn, xm (Amm) (yzys.2(23)) (yaypalalab) (Ny) m hu. (hohz. s(sz)) m (y m n)) (hahb. a(a(ab))) () y hu hu. () 3. m (m 3) (y m m) () () () (a) b. a (a (a b)) () y hunh. (u (u (y u u))) () () () (a) (a (a (a b))) () m) n (m ((() a) b , a (a (a b))) m n))) $(\lambda m \lambda m (m(m((\lambda b, m(m(mb))) m))))$ (((((((u u) u) u)) u) u) u(u u))))))

b)
(AxAyAmAn.x(ym)n) (AsAz.s(sz))(lalb.a(a(ab))
(Ay Am Au. (As Az.s(sz)) (ym) n) (Aa Ab.a(a(ab)))
() y h m h m. () z. (y m) ((y m) z)) m) () a h b. a (a (a b))
(Ayhmhu, (ym((ym)n))) (hahb.a(a(ab)))
() m) m. (() a) b. a(a(ab))) m ((() () a) b. a(a(ab))) m)
() (((dm) m, ((\lambda b, m (m(mb)))) ((\lambda b, m (m(mb)))) ((\lambda b, m (m(mb)))))
() m / m. ((/ 1/2 m / m (m / m / m / m / m / m / m / m /
$(\lambda m \lambda m. ((m(m(m(m(m(m(m/m))))))))$