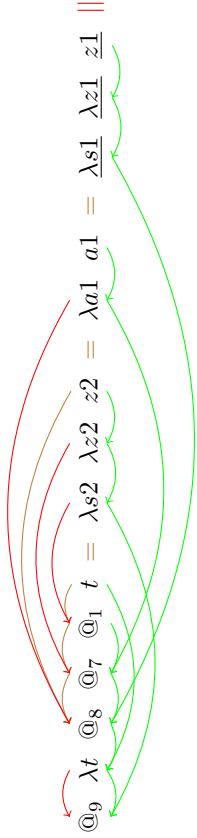




Example p zero

Input term:  $(\lambda x.(((\theta_0(\lambda w.(\lambda v.(\lambda z.(\theta_2(\lambda s.(\theta_3(s)(\theta_4((x\theta_5s)\theta_6z)))\theta_7(\lambda u.(\lambda t.1))\theta_8(\lambda d.1z))))\theta_9(\lambda d.2\lambda z.2))$



Normal form:  $\lambda s.1\lambda z.1$

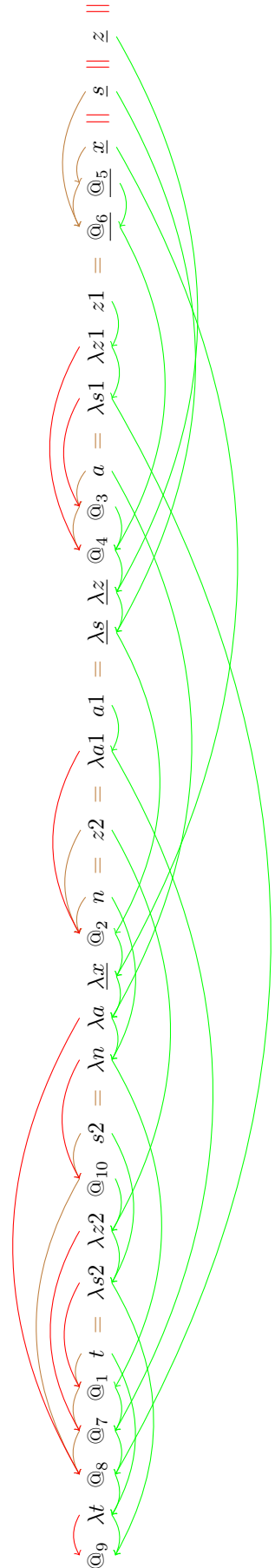






Example p one

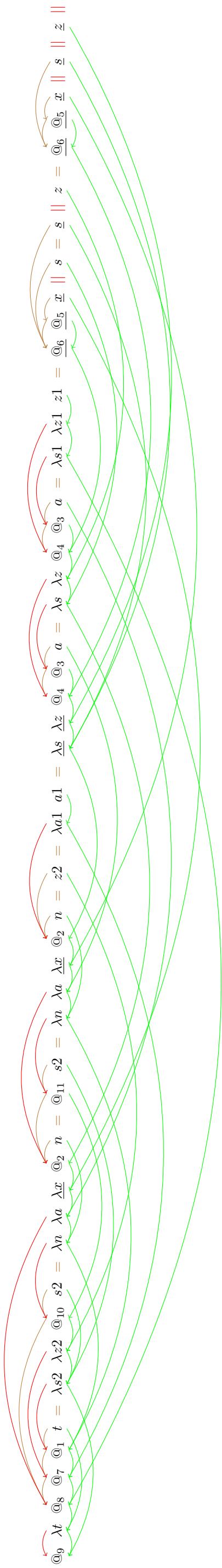
Input term:  $(\lambda x.(((\theta_0(\lambda w.(\lambda v.(\lambda z.n\theta_2(\lambda s.z(\theta_3s)\theta_4((\tau\theta_5s)\theta_6x)))\theta_7(\lambda u1.a1))\theta_8(\lambda s1(\lambda s1.z))))\theta_9(\lambda s2.\lambda s2.z\theta_{10}a2)))$



Normal form:  $\lambda x. \lambda s. \lambda z. (\tau \theta_5 s) \theta_6 z$

Example p two

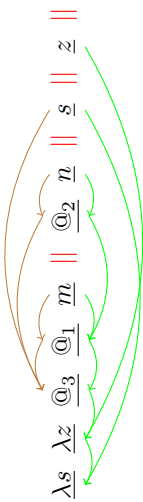
Input term:  $(\lambda x.(((\theta_0(\lambda w.\lambda x.\lambda z.n\theta_2(\lambda s.z(\sigma\theta_3s)\theta_4((\sigma\theta_5s)\theta_6x)))\theta_7(\lambda u1.u1))\theta_8(\lambda s1.\lambda z1.z))))\theta_9(\lambda s2.\lambda z2.s2\theta_{10}(\sigma2\theta_{11}+2))$



Normal form:  $\lambda x.\lambda s.\lambda z.(\sigma\theta_9)\theta((\sigma\theta_5)\theta z)$



Example ex mult free m n  
Input term:  $\lambda s.\lambda z.(m\theta_1(m\theta_1s))\theta_2z$



Normal form:  $\lambda s.\lambda z.(m\theta_1(m\theta_1s))\theta_2z$