

```

LZipgs_List@E[L_, Q_, P_] :=

PP_Lzip@Module[{g, z, zs, Zs, c, ys, ηs, lt, zrule,
Zrule, grule, Q1, EEQ, EQ},

zs = Table[g*, {g, gs}];
Zs = zs /. {b → B, t → T, α → A};
c = L /. Alternatives @@ (gs ∪ zs) → 0;
ys = Table[ $\partial_g(L \text{ /. Alternatives } @\!\!@ \text{ zs} \rightarrow 0)$ , {g, gs}];
ηs = Table[ $\partial_z(L \text{ /. Alternatives } @\!\!@ \text{ gs} \rightarrow 0)$ , {z, zs}];
lt = Inverse@Table[ $K\delta_{z,g} - \partial_{z,g}L$ , {g, gs}, {z, zs}];
zrule = Thread[zs → lt.(zs + ys)];
Zrule = Join[zrule,
zrule /.

r_Rule :> ((U = r[[1]] /. {b → B, t → T, α → A}) →
(U /. U2l /. r //.l2U));
grule = Thread[gs → gs + ηs.lt];
Q1 = Q /. (Zrule ∪ grule);
EEQ[ps___] :=

EEQ[ps] =
PP"EEQ"@(CF[ $e^{-Q1} D_{Thread[\{zs, \{ps\}]}}[e^{Q1}]$ ] /.
{Alternatives @@ zs → 0, Alternatives @@ Zs → 1});

CF@E[c + ηs.lt.ys,
Q1 /. {Alternatives @@ zs → 0, Alternatives @@ Zs → 1},
Det[lt]
(Zipgs[(EQ@@zs) (P /. (Zrule ∪ grule))] /.
Derivative[ps___][EQ][___] :> EEQ[ps] /.
_EQ → 1) ] ];

```