

```

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

PPLzip@Module[{g, z, zs, Zs, c, ys, ns, 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}];
ns = 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 = zrule~Join~

(zrule /.

r_Rule :> ((U = r[[1]] /. {b → B, t → T, α → A}) →
    (U /. U21 /. r //.l2U)));
grule = Thread[gs → gs + ns.lt];
Q1 = Q /. (Zrule ∪ grule);
EEQ[ps_] :=

EEQ[ps] =
(PP"EEQ" @ (CF[ $e^{-Q1} D_{Thread[\{zs, \{ps\}]}\left[e^{Q1}\right]$ ] /.
    {Alternatives @@ zs → 0,
     Alternatives @@ Zs → 1}));
CF /@ ((*CF*/@*)E[
  c + ns.lt.ys,
  Q1 /. {Alternatives @@ zs → 0,
            Alternatives @@ Zs → 1},
  Det[lt]
  (Zipgs[(EQ @@ zs) (P /. (Zrule ∪ grule))] /.
    Derivative[ps_][EQ][_] :> EEQ[ps] /.
    _EQ → 1)
])
];

```