

```

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

PPLzip@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 /.

Alternatives @@ Zs → 1;

ys = Table[ $\partial_g$  (L /. Alternatives @@ zs → 0), {g, gs}];
ηs = Table[ $\partial_z$  (L /. Alternatives @@ gs → 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 /. U21 /. r //.12U));
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) ]];

```