```
LZip_{ξs_List,simp_}@𝔼[L_, Q_, P_] :=
  Module[{ξ, z, zs, c, ys, ηs, lt, zrule, L1, L2, Q1, Q2},
   zs = Table[ξ*, {ξ, ξs}];
   c = L /. Alternatives @@ (ξs ⋃ zs) → 0;
   ys = Table[∂_ξ (L /. Alternatives @@ zs → 0), {ξ, ξs}];
   ηs = Table[∂_z (L /. Alternatives @@ ξs → 0), {z, zs}];
   lt = Inverse@Table[Kδ_{z,ξ*} - ∂_{z,ξ} L, {ξ, ξs}, {z, zs}];
   zrule = Thread[zs → lt.(zs + ys)];
   L2 = (L1 = c + ηs.zs /. zrule) /. Alternatives @@ zs → 0;
   Q2 = (Q1 = Q /. U2l /. zrule) /. Alternatives @@ zs → 0;
   simp /@
     𝔼[L2, Q2, Det[lt] e^(-L2-Q2)
       Zip_ξs[e^(L1+Q1) (P /. U2l /. zrule)]] //. l2U];
LZip_{ξs_List} := LZip_{ξs,CF};
```