

```
QZipξs_List@ $\mathbb{E}[L_-, Q_-, P_-] :=$ 
PPQZip@Module[{ξ, z, zs, c, ys, ηs, qt, zrule, ξrule},
zs = Table[ξ*, {ξ, ξs}];
c = CF[Q /. Alternatives @@ (ξs  $\cup$  zs)  $\rightarrow$  0];
ys = CF@Table[∂ξ(Q /. Alternatives @@ zs  $\rightarrow$  0),
{ξ, ξs}];
ηs = CF@Table[∂z(Q /. Alternatives @@ ξs  $\rightarrow$  0), {z, zs}];
qt = CF@Inverse@Table[Kδz,ξ* - ∂z,ξQ, {ξ, ξs}, {z, zs}];
zrule = Thread[zs  $\rightarrow$  CF[qt.(zs + ys)]];
ξrule = Thread[ξs  $\rightarrow$  ξs + ηs.qt];
CF /@  $\mathbb{E}[L, c + \eta s.qt.ys,$ 
Det[qt] Zipξs[P /. (zrule  $\cup$  ξrule)] ]];
```