

$\text{QZip}_{\zeta s\_List} @ \mathbb{E} [L\_ , Q\_ , P\_ ] :=$

$\text{PP}_{\text{Qzip}} @ \text{Module} [\{\zeta, z, zs, c, ys, \eta s, qt, zrule, \xi rule, out\},$

$zs = \text{Table} [\zeta^*, \{\zeta, \zeta s\}];$

$c = \text{CF} [Q /. \text{Alternatives} @@ (\zeta s \cup zs) \rightarrow 0];$

$ys = \text{CF} @ \text{Table} [\partial_{\zeta} (Q /. \text{Alternatives} @@ zs \rightarrow 0),$   
 $\{\zeta, \zeta s\}];$

$\eta s = \text{CF} @ \text{Table} [\partial_z (Q /. \text{Alternatives} @@ \zeta s \rightarrow 0), \{z, zs\}];$

$qt = \text{CF} @ \text{Inverse} @ \text{Table} [K \delta_{z, \zeta^*} - \partial_{z, \zeta} Q, \{\zeta, \zeta s\}, \{z, zs\}];$

$zrule = \text{Thread} [zs \rightarrow \text{CF} [qt. (zs + ys)]];$

$\xi rule = \text{Thread} [\zeta s \rightarrow \zeta s + \eta s. qt];$

$\text{CF} /@ \mathbb{E} [L, c + \eta s. qt. ys,$

$\text{Det} [qt] \text{Zip}_{\zeta s} [P /. (zrule \cup \xi rule)]]];$