

```

$p = 2; $k = 1; $U = QU; $E := {$k, $p};
$trim := {ħp· /; p > $p → 0, εk· /; k > $k → 0};
qħ = eγ ∈ ħ;
T2t = {Ti·p· → epħ t, Tp· → epħ t};
t2T = {ec·· ti· + b· := Tic/ħ eb, ec·· t + b· := Tc/ħ eb, eε· := eExpand@ε};
SetAttributes[SS, HoldAll];
SS[ε_, op_] := Collect[
  Normal@Series[If[$p > 0, ε, ε /. T2t], {ħ, 0, $p}],
  ħ, op];
SS[ε_] := SS[ε, Together];
Simp[ε_, op_] := Collect[ε, _CU | _QU, op];
Simp[ε_] := Simp[ε, SS[#, Expand] &];
Kδ /: Kδi·, j· := If[i === j, 1, 0];
c_Integerk_Integer := c + 0[ε]k+1;

```