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$P = 2; $K = 1; $U = QU; $E := {$K, $P};
$trim := {ħp /; p > $P → 0, εk /; k > $K → 0};
SetAttributes[{SS, SST}, HoldAll];
qħ = eγ ε ħ;
(* Upper to lower and lower to Upper: *)
U21 = {Bip → e-p ħ γ bi, Bp → e-p ħ γ b, Tip → ep ħ ti,
Tp → ep ħ t, Aip → ep γ αi, Ap → ep γ α};
12U = {ec- bi + d- := Bi-c/(ħ γ) ed, ec- b + d- := B-c/(ħ γ) ed,
ec- ti + d- := Tic/ħ ed, ec- t + d- := Tc/ħ ed,
ec- αi + d- := Aic/γ ed, ec- α + d- := Ac/γ ed,
eε- := eExpand@ε};
SS[ε-, op-] := Collect[
Normal@Series[If[$P > 0, ε, ε /. U21], {ħ, 0, $P}],
ħ, op];
SS[ε-] := SS[ε, Together];
SST[ε-, op__] := SS[ε /. U21, op];
Simp[ε-, op-] := Collect[ε, _CU | _QU, op];
Simp[ε-] := Simp[ε, SS[#, Expand] &];
SimpT[ε-] := Collect[ε, _CU | _QU, SST[#, Expand] &];
Kδ /: Kδi,j := If[i === j, 1, 0];
c_Integer k_Integer := c + 0[ε]k+1;

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