```mathematica
Simp[ε_] := Simplify[ε];
CF[ε_] :=
  ε /. {λ_β | λ_a | λ_δβ | λ_c | λ_ao | λ_ca :> MapAt[Simp, λ, 1],
     aao[f_, i_, j_, k_, l_] :>
      aao[Simp@f, Sort[{i, k}][[1]], Sort[{j, l}][[1]],
       Sort[{i, k}][[2]], Sort[{j, l}][[2]]]};
AutoCollecting[λ_] := (λ /: λ[0, ___] = 0;
   λ /: λ[f_, r___] + λ[g_, r___] := λ[Simp[f + g], r];
   λ /: g_ * λ[f_, r___] := λ[Simp[g f], r]);
AutoCollecting /@ {β, a, δβ, c, ao, ca, aao};
UU /: UU[x_] + UU[y_] := UU[x + y];
UU /: a_ * UU[x_] := UU[Expand[a x]];
UU /: D[u_UU, vs__] :=
  CF[u /. _β | λ_a | λ_δβ | λ_c | λ_ao | λ_ca | λ_aao :>
     MapAt[D[#, vs] &, λ, 1]];
hb[f_, i_, j_, k_] := a[b_j f, i, k] - a[b_i f, j, k]
 (* = f·[a_ik, a_jk] *);
UU /: Coefficient[u_UU, λ_[js___]] :=
  Total[Cases[u, λ[f_, js] :> f, ∞]];
Kδ /: Kδ_is__ := KroneckerDelta[1, Length[Union[{is}]]];
```