

```

ZF [K_] := ZF [PD@K];
ZF [pd_PD] := Module[{z, done, st, c, mn, k},
Sum[
  z = 1; done = {};
  st = Range[2 Length@pd];
  Do[
    z *= c /. X[i_, j_, _, L_] :=>
      If[PositiveQ@c, mn = {i, L}; RL,i, mn = {i, j};
        Rj,i];
  Do[
    If[MemberQ[done, k + 1], z = z // mk,k+1→k;
      st = st /. k + 1 → k];
    If[MemberQ[done, k - 1],
      z = z // mst[[k-1],k→st[[k-1]];
      st = st /. k → st[[k - 1]],
      {k, mn}];
    done = done ∪ mn,
    {c, List@@pd}];
z,
{$CIS, ConjugacyClasses[$G]}] ]

```