```
Z[K_] := Z[RVK@K];
Z[rvk_RVK] := Module[{ς, done, st, c, χ, i, j, k},
  ς = 1; done = {}; st = Range[2 Length[rvk[[1]]]];
  Do[
   {i, j} = List @@ c;
   χ = (c /. {_Xp :> R_{i,j}, _Xm :> R̄_{i,j}}) (ka_0 - kd_0) //
     m_{j,0→j};
   Do[χ = (rot_0[rvk[[2, k]]] χ) // m_{0,k→k},
    {k, {i, j}}];
   ς *= χ;
   Do[
    If[MemberQ[done, k + 1], ς = ς // m_{k,k+1→k};
     st = st /. k + 1 → k];
    If[MemberQ[done, k - 1], ς = ς // m_{st[[k-1]],k→st[[k-1]]};
     st = st /. k → st[[k - 1]],
    {k, {i, j}}];
   done = done ⋃ {i, j},
   {c, rvk[[1]]}
  ];
  Factor@ς
 ]
```