

```

g1[h[F_, L_]] := h[
  Permute[F, Cycles[{{1, 2}}]],
  Expand[
    L /. Join[
      {x2 -> -1/tF[[2]] x2},
      Table[
        xj -> (1 - tF[[j]])/(tF[[2]] (tF[[2]] - 1)) x2 + (tF[[1]] - 1)/(tF[[2]] - 1) xj,
        {j, 3, Length[F]}
      ]
    ] //
  Simplify
]

```