```
lhs = Simplify[
  R₁[1, j, k] + R₁[1, i, k⁺] + R₁[1, i⁺, j⁺] //. gRules₁,ⱼ,ₖ ⋃ gRules₁,ᵢ,ₖ⁺ ⋃ gRules₁,ᵢ⁺,ⱼ⁺]
```