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