

```
Table[  
  cy = {s, m, n};  
  lhs = Sum[F2[cy, c1], {c1, Xl}] //. gRules[Xl];  
  rhs = Sum[F2[cy, c1], {c1, Xr}] //. gRules[Xr];  
  Simplify[lhs == rhs],  
  {s, {1, -1}}]  
]
```