23b. Parts i)b) and i)c)

Part i)b), with ε=1

```
In[ ]:= 2 jl + 3 a == 2 jr - 3 a /. a → (nul - jl) / 2 // . sub2p // Simplify
Out[ ]= True

In[ ]:= 2 jp + 3 a == 2 jr - 3 a /. a → (nup - jp) / 2 // . sub2p // Simplify
Out[ ]= True
```

Part i)c)

Now ε=-1.

```
In[ ]:= 2 jr - 3 a == 2 jl + 3 a /. a → (jr + nur) / 2 // . sub2p // Simplify
Out[ ]= True

In[ ]:= 2 jp - 3 a == 2 jl + 3 a /. a → (jp + nup) / 2 // . sub2p // Simplify
Out[ ]= True
```