2

The compound [CoCl₂(NH₃)₄] can exist as in two isomeric forms which differ in the arrangement of the ligands in space.

cis-tetraamminedichloridocobalt(II)

trans-tetraamminedichloridocobalt(II)

Pt(NH₃)₂Cl₂ can also exist as *cis* and *trans* isomers:

$$H_3N''''_{11}Pt'''''^{11}Cl$$
 $H_3N''''_{12}Pt'''''^{11}Cl$
 Cl
 NH_3

cis-diamminedichloridoplatinum(II)

trans-diamminedichloridoplatinum(II)