## **Problem of the Day 17**

Section 5.1, 5.2 Question 5.08

Question 5.08 asks you to identify structures with no source of stereoisomerism and to create an isomer with one. Do the converse. Transform the structures with a source a stereoisomerism into ones without any (can they all be done by swapping only one pair of groups?).

## Original compounds:

(a) 
$$CI \longrightarrow CH_2 \longrightarrow CCCI_2$$
(b) 
$$CH_2 \longrightarrow CH_2 \longrightarrow CH_2$$
(c) 
$$CH_3 \longrightarrow CH_2$$
(d) 
$$CH_3 \longrightarrow CH_3$$
(e) 
$$CH_3 \longrightarrow CH_3$$
(e) 
$$CH_3 \longrightarrow CH_2$$
(f) 
$$CH_3 \longrightarrow CH_3$$
(g) 
$$CH_3 \longrightarrow CH_2$$
(g) 
$$CH_3 \longrightarrow CH_2$$
(g) 
$$CH_3 \longrightarrow CH_3$$
(g) 
$$CH_3 \longrightarrow CH_3$$
(g) 
$$CH_3 \longrightarrow CH_3$$
(h) 
$$CH_3 \longrightarrow CH_3$$
(h) 
$$CH_3 \longrightarrow CH_3$$
(o) 
$$CH_3 \longrightarrow CH_$$