

$$K_0 \quad \text{[Diagram: two loops joined at a point]} \quad \underset{\sim}{\simeq} \quad (\text{BLANK}) \quad \underset{\sim}{\simeq} \quad \text{[Diagram: two loops joined at a point, rotated 180 degrees]}$$

$$K_1 \quad \text{[Diagram: a loop with a line passing through it]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: a loop with a line passing through it, rotated 180 degrees]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: a loop with a line passing through it, rotated 180 degrees and reflected]}$$

$$K_2 \quad \text{[Diagram: two lines crossing with a small loop on one side]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: two lines crossing with a small loop on the other side]}$$

$$K_3 \quad \text{[Diagram: two lines crossing with a small loop on one side]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: two lines crossing with a small loop on the other side]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: two lines crossing with a small loop on one side]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: two lines crossing with a small loop on the other side]}$$

$$K_4 \quad \text{[Diagram: a thick vertical line with a loop on the left and a line on the right]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: a thick vertical line with a loop on the right and a line on the left]} \quad \underset{\sim}{\simeq} \quad \text{[Diagram: a thick vertical line with a loop on the left and a line on the right, rotated 180 degrees]}$$