

$$\begin{aligned}
 & \text{Diagram 1} = \phi^{-1} \text{Diagram 2} + \phi^{-\frac{1}{2}} \text{Diagram 3} \\
 & \text{Diagram 2} = \phi^{-1} \text{Diagram 4} + \phi^{-\frac{1}{2}} \text{Diagram 5} \\
 & \text{Diagram 4} = \text{Diagram 6} + \text{Diagram 7}
 \end{aligned}$$

The diagrams are defined as follows:

- Diagram 1:** Two horizontal red lines between two vertical black lines, with a vertical dotted red line in the center.
- Diagram 2:** Two semi-circular red arcs (facing each other) between two vertical black lines, connected by a horizontal dotted red line.
- Diagram 3:** Two semi-circular red arcs (facing each other) between two vertical black lines, connected by a horizontal solid red line.
- Diagram 4:** A circle red loop between two vertical black lines, connected to each line by a horizontal dotted red line.
- Diagram 5:** A circle red loop between two vertical black lines, connected to each line by a horizontal solid red line.
- Diagram 6:** A single horizontal dotted red line between two vertical black lines.
- Diagram 7:** A single horizontal solid red line between two vertical black lines.