$$a_{90} = b_{90} + c_{90}$$

$$a_{135} = b_{135} + c_{135} \quad a_{45} = b_{45} + c_{45}$$

$$a_{180} = b_{180} + c_{180} \qquad a_0 = b_0 + c_0$$

$$a_{225} = b_{225} + c_{225} \quad a_{315} = b_{315} + c_{315}$$

$$a_{270} = b_{270} + c_{270}$$