

$$\begin{array}{ccc}
 \underline{m_1 \dots m_n 0_2} = 2 \times \underline{m_1 \dots m_{n_2}} & & \\
 \parallel & & \parallel \\
 k[5] & \longrightarrow & 2k[5] \\
 \\
 \underline{m_1 \dots m_n 1_2} = 2 \times \underline{m_1 \dots m_{n_2}} + 1 & & \\
 \parallel & & \parallel \\
 k[5] & \longrightarrow & 2k + 1[5]
 \end{array}$$

 \Rightarrow
