



Exercise 9.5: We use the translational equivalence stated at the end of Section 9.1.

We have that $i_{\alpha,\beta_1}(n) = i_{\alpha,\beta_0}(n + m_1)$ and $i_{\alpha,\beta_2}(x) = i_{\alpha,\beta_0}(x + m_2)$.

Let $x + m_2 = n + m_1$ (i.e., $x = n + m_1 - m_2 = n + m$).

We obtain $i_{\alpha,\beta_1}(n) = i_{\alpha,\beta_2}(n + m)$.