$m_{\text{eff}} = \frac{4}{R}$ ——————— $\times 2$

$m_{\text{eff}} = \frac{3}{R}$ ——————— $\times 2$

$m_{\text{eff}} = \frac{2}{R}$ ——————— $\times 2$

$m_{\text{eff}} = \frac{1}{R}$ ——————— $\times 2$

$m_{\text{eff}} = 0$ ———————

The spectrum of a Kaluza-Klein reduction of a real massless scalar field on a S^1, is linear and every mode other than the massless is doubly degenerated (corresponding to eigenvalues $\pm n$.