$$\phi \underset{\mu}{\maltese} \psi = \underbrace{\Lambda\phi} \underset{\nu}{\maltese} \underbrace{\Lambda\psi}$$

$$\phi_m \underset{\mu}{\maltese} \psi_m = \Lambda_m^2 \overbrace{\phi_m \underset{\nu}{\maltese} \psi_m} = \frac{\Lambda_m^2}{(\nu)_m} \phi_m \underset{Z}{\maltese} \psi_m$$

$$\phi_m \underset{\mu}{\maltese} \psi_m = \int\limits_{du}^{S_\ell} \int\limits_{d_u^0(x)}^{\Omega_u} {}^x\mathcal{L}_u \, {}^x\bar{\phi}_m \, {}^x\psi_m$$

$$\ell = 1: \quad \Lambda_m^2 = \frac{(a/2)_m^2}{(d/r)_m (ra/2)_m} \int\limits_{dt}^{0|\infty} t^{2m-1} \, {}^t\mathcal{L}$$

$$\frac{\Lambda_m^2}{(a/2)_m} \phi_m \underset{Z}{\maltese} \psi_m = \phi_m \underset{\mu}{\maltese} \psi_m = \int\limits_{du}^{S_1} \int\limits_{d_u^0(x)}^{\Omega_u} {}^x\mathcal{L}_u \, {}^x\bar{\phi}_m \, {}^x\psi_m = \int\limits_{dt/t}^{0|\infty} {}^t\mathcal{L} \int\limits_{du}^{S_1} {}^{tu}\bar{\phi}_m \, {}^{tu}\psi_m$$

$$= \int\limits_{dt}^{0|\infty} t^{2m-1} \, {}^t\mathcal{L} \int\limits_{du}^{S_1} {}^u\bar{\phi}_m \, {}^u\psi_m = \phi_m \underset{S_1}{\maltese} \psi_m \int\limits_{dt}^{0|\infty} t^{2m-1} \, {}^t\mathcal{L} = \frac{(a/2)_m}{(d/r)_m (ra/2)_m} \phi_m \underset{Z}{\maltese} \psi_m \int\limits_{dt}^{0|\infty} t^{2m-1} \, {}^t\mathcal{L}$$