

Compute

$$\langle (a_{-3})^2(a_{-5})^4(a_{-7})^5v, (a_{-3})^2(a_{-5})^4(a_{-7})^5v\rangle,$$

where v is the highest weight vector of the Fock module $\pi_{\mu,k}$ and $\langle \cdot, \cdot \rangle$ is the invariant form normalized by $\langle v, v \rangle = 1$.