In the Bethe lattice case, the self consistency condition is simply (see https://triqs.github.io/cthyb/latest/guide/dmft.html and https://triqs.github.io/triqs/latest/userguide/python/dmft_one_page.html)

$$G_0^{-1}(i\omega_n) = i\omega_n + \mu - t^2 G(i\omega_n), \tag{1}$$

where $2t$ is the half bandwidth and $t = 0.5$. This means the hybridization function is simply

$$\Delta(i\omega_n) = t^2 G(i\omega_n). \tag{2}$$

The DMFT procedures are following:

1. At the initial time, set $J(\varepsilon) = \frac{1}{2\pi t}\sqrt{1-(\varepsilon/2t)^2}$ and we have

$$\Delta(i\omega_n) = \int_{-2t}^{2t} \frac{J(\varepsilon)}{i\omega_n - \varepsilon} \mathrm{d}\varepsilon. \tag{3}$$

2. Compute $G(i\omega_n)$, and set new $\Delta(i\omega_n) = t^2 G(i\omega_n)$

The number of mesh points for $i\omega_s$ is totally 2050 for both positive and negative parts, and number of mesh points for τ is 10001.