

stat=['f'] | N=[1] | J = 1 | M=40 | pbc = 0

$$\hat{H}_{tot} = \sum_{i=0}^{M/2-1} v(c_{A_j}^\dagger a_{B_j} + h.c) + w(c_{A_{j+1}}^\dagger a_{B_j} + h.c), \quad \hat{H}_{total}|\lambda\rangle = E_\lambda|\lambda\rangle$$

