- Repeat Edoardo's plot but restarting the VQE training after applying the (hyperoptimized) DBI.
- Fix the problem to one we know it can converge (e.g. $N_{qubits} = 6$) and:
 - fix the number of iterations s_{vqe} and make the s_{dbi} varying;
 - fix the number of DBI steps $s_{\rm dbi}$ and make the $s_{\rm vqe}$ varying;

We can make a count of the computational cost of the algorithm for example by counting the number of T gates required to execute each training.