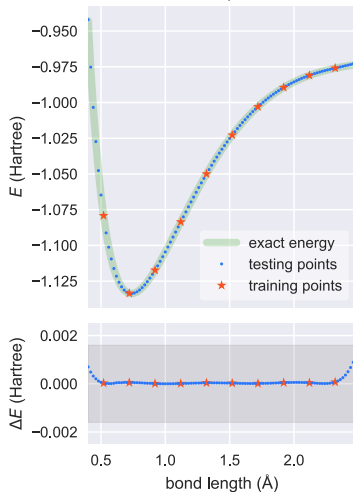


(a) H_2 , 2 qubits**(b)** LiH , 4 qubits