Optimization process with different methods
zero initial parameter, $N_{qubits} = 100$, $N_{layers} = 10$

Legend:
- E_{ground}
- ADAM
- BFGS
- COSINE
- GRAD_DESCEND
- GRAD_DESCEND_PARAMETER_SHIFT_RULE
- POWELL
- COBYLA

Y-axis: Minimized energy

X-axis: Number of cost function evaluation (1e6)