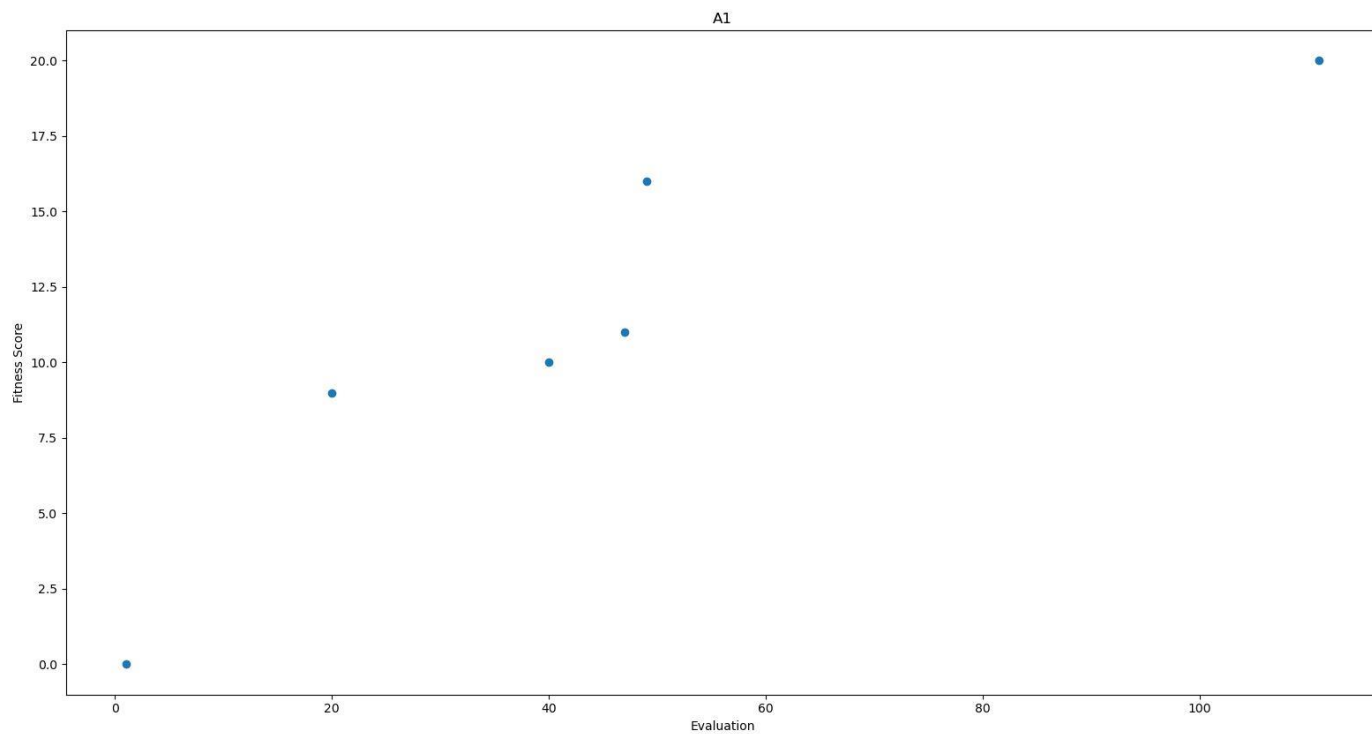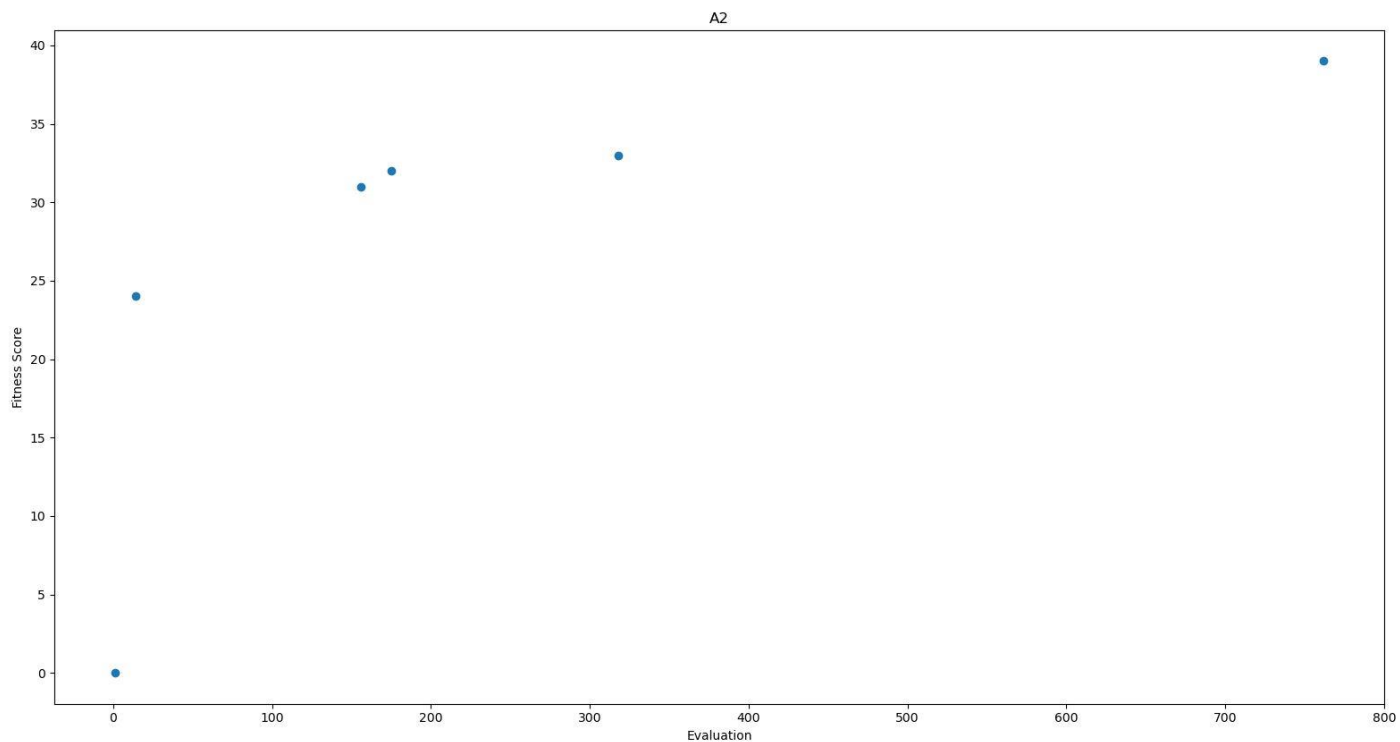Graph for problem set a1:

Graph for problem set a2:

Graph for problem set a3: