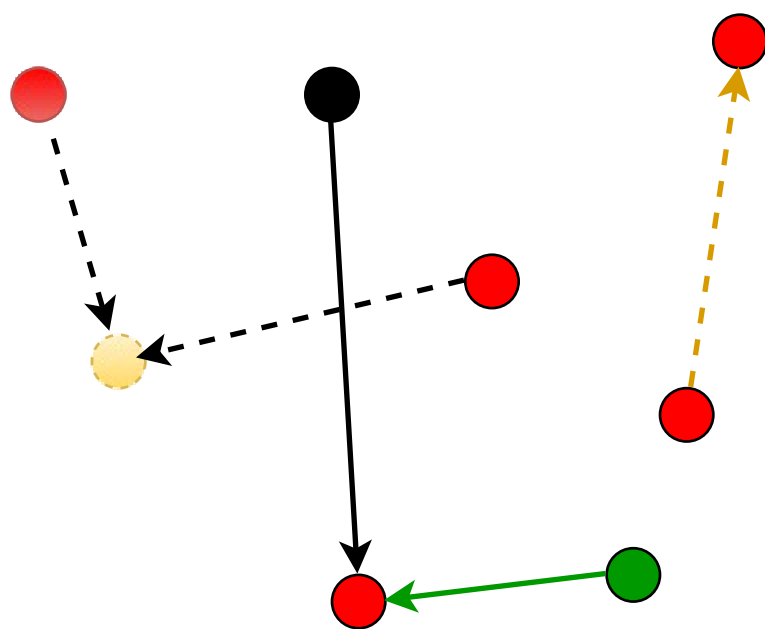Remove orange vertex and edge,
add green vertex and edge

Red vertices maybe affected
by the mutation