

mutation and sexual crossover

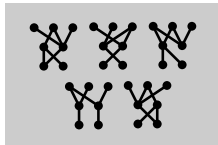
individuals are crossbred to form a new generation of candidate solutions



initial (random) population

candidate population

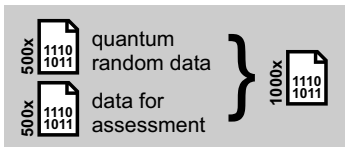
currently considered partial solution



evolved distinguisher

test vector generation

prepare new set data for circuit testing



survival

individuals with higher fitness value have better chance of surviving to the next generation



fitness assessment

each individual from the population is evaluated on all test vectors from the current set, fitness value from 0 to 1 is assigned to each one

