Patent Selection

Fitness-Proportionate Selection

P(x) = fitness value of x / sum of all fitness values

Rank selection

Lo give a ranking to each fitness value and compare based on that and not absolute value. P(x) = category of x / sum of categories

Tournament selection

Le pick k arbitrary individuals and make

them compete. Larger k increases the

selection pressure. Can choose if we want

to allow for replacement and if we

always pick the best (deterministic) or

pick based on a probability p.

With replacement -> lower pressure

Replacement

(M, 2) - o (My, Lambda) - selection

Lo choose the best offspring from the set of children

Best cardidates can ble 2057

(M+2) - (My + Lambda) - selection

Lo choose the best individual from

the set of children and parents.

Elitist.