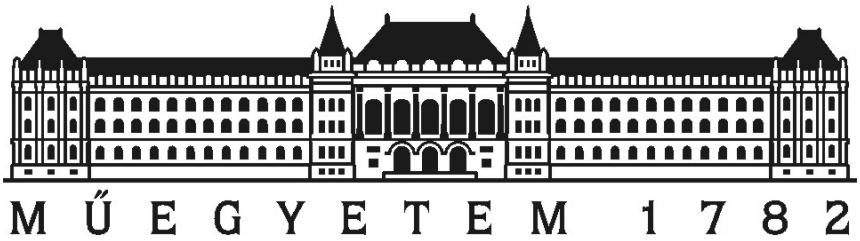

Evolutionary Algorithms

Homework

Fourth task

Author
Carlos Sánchez Páez
http://www.github.com/csp98

Budapest University of Technology and Economics

Academic year 2018-2019

1. Three individuals are coded $e_1 = 00010$, $e_2 = 01001$ and $e_3 = 11001$. How many schemes fits either e_1 or e_2? How many schemes fit all three?

2. Two individuals are coded $e_1 = 0101$ and $e_2 = 0100$. How many different offsprings can they have if we use one-point crossover? And if we use uniform crossover?

3. Find that largest codebook you can for the one error correctingc codebook problem (using 8-long bit sequences as words).

Bibliography

[1] Course Webpage
`http://math.bme.hu/ safaro/evolalgen.html`

[2] `https://tex.stackexchange.com/`