Stochastic Optimisation Algorithm

Home Problem 2

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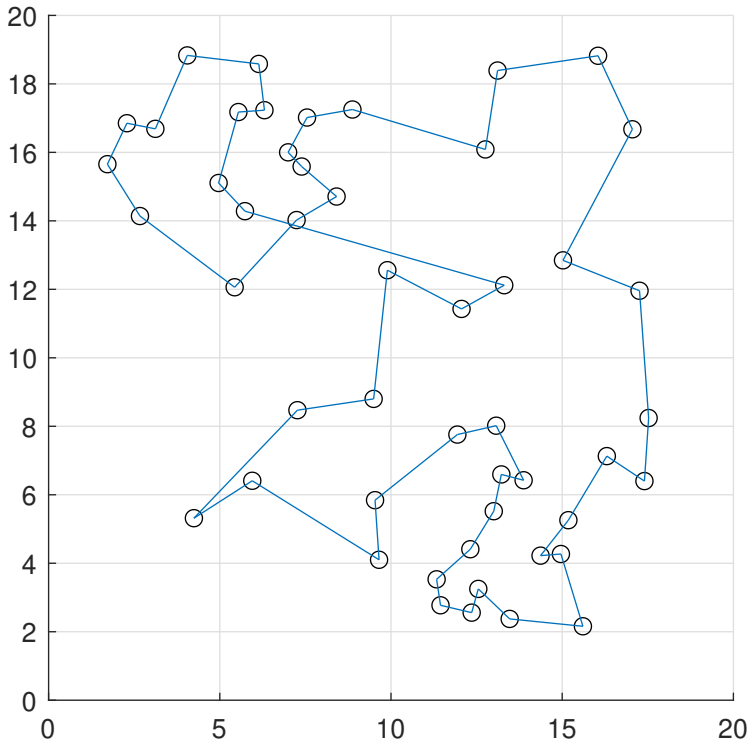
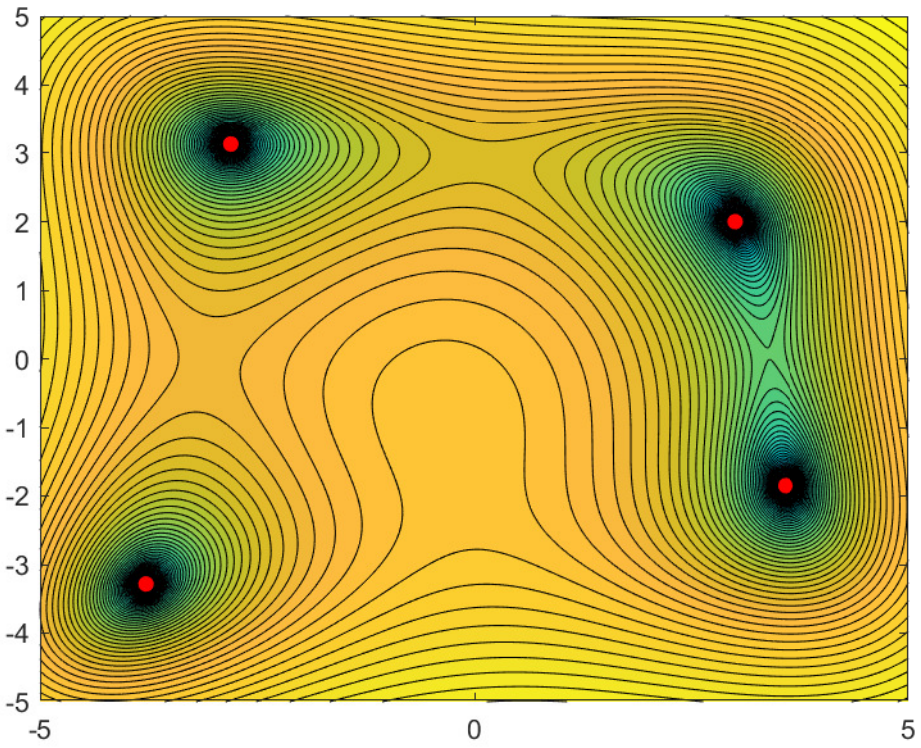
Problem 2.1

Length of the best path: 96.0209.



Figur 1: Figure for the best path with a path length of 96.0209.

Problem 2.2



Figur 2: The red dots each correspond to one of the minimum points shown in the table. The contours go from red to yellow to blue, where blue are the smaller numbers, indicating that the red dots are indeed in the region where the contour is showing minimum points.

Minimum Point	x	y	f
1	3.0004	1.9998	0.0000
2	3.5841	-1.8496	0.0000
3	-2.8047	3.1314	0.0000
4	-3.7808	-3.2840	0.0001

Tabell 1: Table over the x and y values for each of the minimum points found, along with the function values of each minimum point.