This project is inspired by code examples we found on google and modified by Jonathan Egebak Carlsen & Nikolai Hansen

A) Make a program using a swarm to find the maximum and minimum value of the function

Swarm size = 5
Iterations = 30

Swams	X	Y	Value
p1	-0.836	-0.711	-0.251
p2	-1.474	0.703	-0.102
p3	-0.678	0.777	-0.234

Swarm size = 10
Iterations = 30

Swams	X	Y	Value
p1	-0.710	-0.206	-0.410
p2	-0.093	0.811	-0.048
p3	-0.822	-0.0190	0.418

b) Change the program to handle 4 dimensions.
Swarm size = 5
Iterations = 30

Swams	X	Y	Value
p1	-0.468	0.396	-0.492
p2	-0.802	-0.584	-0.258
p3	-0.582	-1.545	-0.048

Swarm size = 10
Iterations = 30

Swams	X	Y	Value
p1	-0.5388	-0.107	-0.013
p2	-0.782	0.630	-0.036
p3	-0.421	-0.451	-0.168

Code is on github : https://github.com/nikolai94/Algo_swarm/