barticle swarm optimisation dteps: Rick a mathematical function g(x) to optimize dep 2: det the parameters N, w, c1, c2 where c1 es weight of functional dest position and (2 is weight of goodal kert funition step 8: Define the limits within which harticle cour move stepy: Anign N with transform velocity step 5: for each particle calculate its fitners that is the other purition atep 6: update velocity bassed on the best velocity of its own & power barred on the best velocity found by the next velocity found by the create swarm Atep 7: It undergoes iterations to check the best dolution going atch 8: Then in the final iteration it finds out the best value velocity = . w * velocity + C3 * 81 * Rscudowac (best-fusition-fusition) + such 1: dy func (2) ca* x2 * (global-kest. positionreturn x * * 2 position) ately a: Initialise harometers N=80, W=0.5, C1:1.5, C2:1.5 dep 3: for each particle unitially their position and velocity randonly within the range [-10,10), [-1,1] depy: In this step we evaluate the fitners by sending valeus to func deps: updating values if over-value < hest-value update the best of us own particle If ever value & grobal best wholat goodal best value that is velocity based on ontive dwarm dep6: update pelocity which will obletermine how the vetocity step 7: display the bast solow best value found