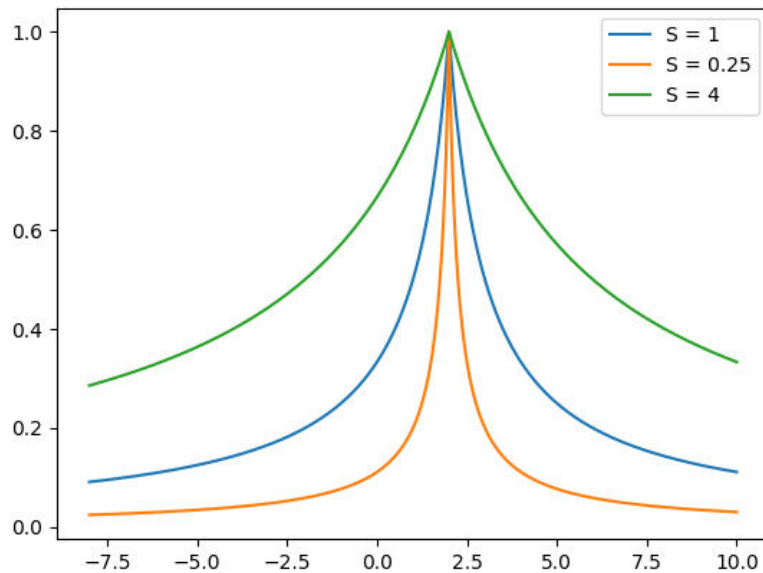


Zadatak 1.

Neuron koji ima 2 ulaza također ima i 2 vrijednosti za parametre w i s .

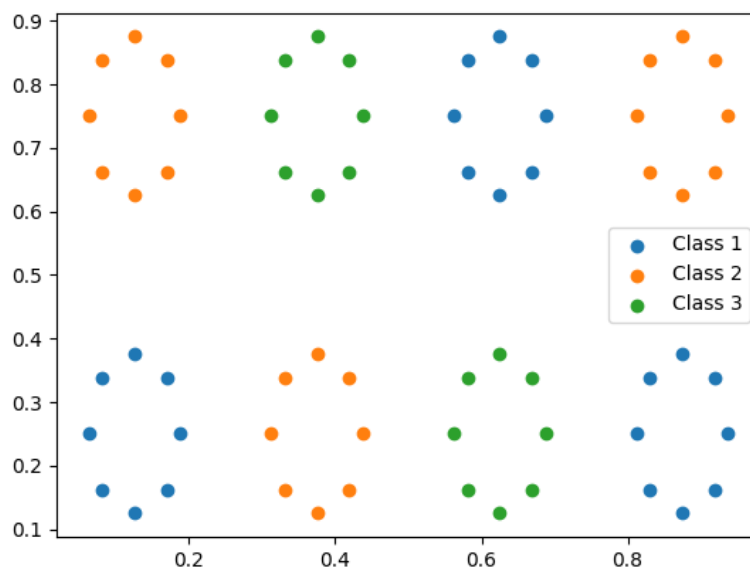
Od svakog od ulaza oduzima određeni w i skalira razliku sa određenim s .

Na taj način za svaki ulaz računa mjeru udaljenosti sa određenim parom (w, s) .



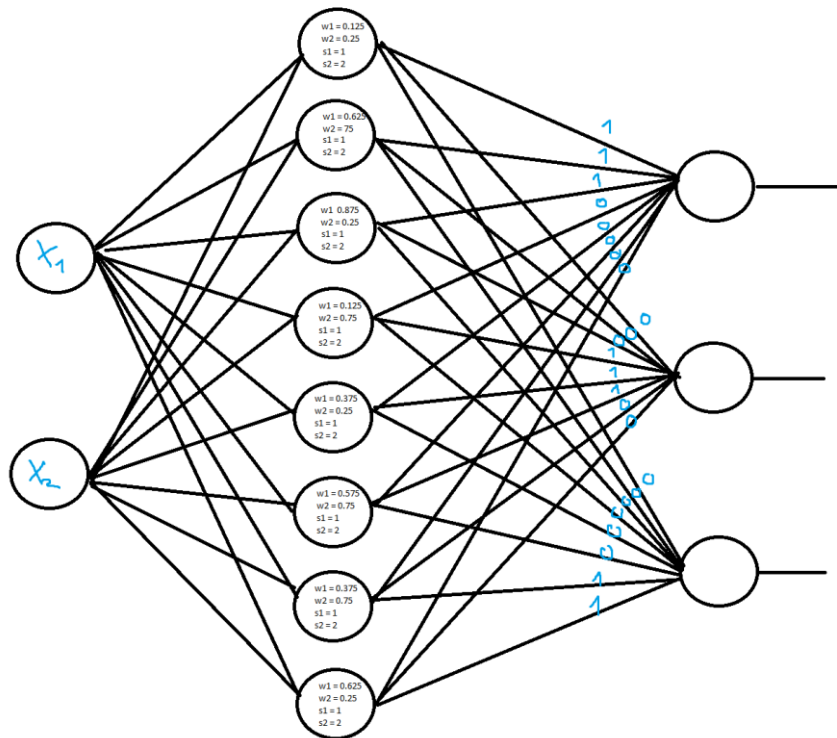
Zadatak 2.

Podatci su međusobno grupirani u elipse te nisu linearno odvojivi jer se elipse različitih klasa isprepliću unutar ulaznog prostora.



Za svaki neuron skrivenog sloja bi vrijednosti w_1 i w_2 postavio na (x,y) vrijednosti centroida svakog od osam nakupina ulaznih primjera

Dok bi za izlazni sloj težine na klasu koja spaja skriveni sloj sa centroidom iste klase stavio na 1, a ostale stavio na 0



Zadatok 4.

GA nije uspio naučiti očekivane parameter

[0.504072495695875, -0.16451265951933403, -0.6758253661274413, 0.5497367220023093, -0.26081085561672224, -1.0413672050795872, 0.1429937800501333, 0.38583628646358886, 0.3964663570929762, 0.06699125648346832, 0.855978679927335, -0.1850809722938126, 0.48272055537321057, -0.4710325781288558, 0.08961674968019179, -1.7069137844057058, 2.4279768914346023, -2.7918091968481553, 0.7465168422827427, 3.758091725510827, 0.3124988081513993, 0.3479929185250861, 0.25048988158568875, -0.5590850064169588, 0.4908433173266138, 0.2079540001078034, -0.711701465830376, -0.29385463495553, 0.5808058285611322, 0.08877344128849357, 0.7036974227385782, 0.19098143161786352, 35.146279375237484, -7.962634175268526, -1.8788739237839556, 4.17694464814837, -14.512550904839436, 0.00981063866669313, -0.1127501922265817, 63.328674555141625, -6.808829294618118, -0.000279763517892749, 1.1367929332466313, -25.655161657641088, -1.7580341823146863, 3.8436470386559973, -4.813775121993043, 25.13167184336516, -19.271182150704135, 16.388322684247928, -3.2401174535233013, 18.91407966206332, 51.32957014618891, -0.008800546200967284, -2.7070473855363275, 0.44655389453953365, 60.924966878591604, -10.784829639357081, -1.9762610154244702, 4.1023323570401035e-07]

