Pitanje **5**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

We use the genetic algorithm to maximize $f(x)$. Which of the following we can use as the fitness function?

- $1 - f(x)$
- $1 + f(x)$
- $-f(x)/2$
- $-f(x)$

Pitanje **4**

Preostalo vrijeme 0:05:19

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Let w_{ij} denote the weight between the output of neuron i and the input to neuron j in an artificial network. When backpropagating the error, the weight w_{ij} will get updated. **What is this weight update proportional to?**

- the product between the error of neuron i and the error of neuron j
- the sum of the errors of neurons i and j
- the product between the output of neuron i and the error of neuron j
- the weighted sum of the output of neuron j and the error of neuron i

Pitanje **3**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Which one of the following problems is not solvable by a single TLU perceptron?

- AND
- NOT
- OR
- XOR

Obriši moj odabir

Pitanje **2**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

In an Ant System algorithm, the evaporation of the pheromone trail between nodes i and j is modeled as:

- $\tau_{ij} \leftarrow \tau_{ij}(1-\rho)$
- $\tau_{ij} \leftarrow \tau_{ij}(1+\rho)$
- $\tau_{ij} \leftarrow \tau_{ij}(1-\eta)$
- $\tau_{ij} \leftarrow \tau_{ij}-\rho$

Pitanje **2**

Preostalo vrijeme 0:05:37

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Two chromosomes have been selected for crossover: K1=001100 and K2=010100. Assume there is no mutation. Crossover point is after the first third (from the left). **What is the result of crossover?**

- 010101
- 000100
- 010100
- 001100

Obriši moj odabir

Pitanje **3**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

What activation function is used in the TLU perceptron?

What activation function is used in the TLU perceptron?

- (●) step function
- ( ) linear
- ( ) sigmoidal
- ( ) exponential

Obriši moj odabir

Pitanje **4**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

In an ACO algorithm, what does τ denote?

- ( ) the probability of selection
- ( ) the probability of mutation
- ( ) the value of the heuristic function
- ( ) the strength of the pheromone trail

We use the genetic algorithm to minimize $f(x)$. Which of the following we can use as the fitness function?

- $1 - f(x)$
- $1 + f(x)$
- $f(x)/2$
- $2f(x)$

Pitanje **6**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

The factor γ in reinforcement learning serves for:

- finding a maximum-value solution
- discounting future rewards
- controlling the learning rate
- forced exploration

Pitanje **7**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Let w_{ij} denote the weight between the output of neuron i and the input to neuron j in an artificial network. When backpropagating the error, the weight w_{ij} will get updated. **What is this weight update proportional to?**

- the sum of the errors of neurons i and j
- the weighted sum of the output of neuron j and the error of neuron i
- the product between the output of neuron i and the error of neuron j
- the product between the error of neuron i and the error of neuron j

Preostalo vrijeme 0:03:42

- $w(i+1) = i$
- $w(i+1) = w(i) + \eta(t-o)x(i)$

Pitanje **6**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

In an ACO algorithm, what does τ denote?

- the probability of selection
- the probability of mutation
- the value of the heuristic function
- the strength of the pheromone trail

Obriši moj odabir

Pitanje **6**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

In an ACO algorithm, what does τ denote?

- the probability of selection
- the probability of mutation
- the value of the heuristic function
- the strength of the pheromone trail

Obriši moj odabir

Preostalo vrijeme 0:03:39

- forced explora
- finding a maximum-value solution

Obriši moj odabir

Pitanje **5**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

The Rosenblatt's perceptron update rule is as follows (t -- target value, o -- output value):

- $w(i+1) = w(i) - \eta(t+o)x(i)$
- $w(i+1) = w(i) + \eta(t+o)x(i)$
- $w(i+1) = w(i) - \eta(t-o)x(i)$
- $w(i+1) = w(i) + \eta(t-o)x(i)$

Preostalo vrijeme 0:03:35

Pitanje **4**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

The factor γ in reinforcement learning serves for:

- discounting future rewards
- controlling the learning rate
- forced exploration
- finding a maximum-value solution

Obriši moj odabir

Pitanje **5**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Obriši moj oda

Preostalo vrijeme 0:03:51

Pitanje **7**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Let w_{ij} denote the weight between the output of neuron i and the input to neuron j in an artificial network. When backpropagating the error, the weight w_{ij} will get updated.
What is this weight update proportional to?

- the product between the output of neuron i and the error of neuron j
- the product between the error of neuron i and the error of neuron j
- the sum of the errors of neurons i and j
- the weighted sum of the output of neuron j and the error of neuron i

Pitanje **3**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Two chromosomes have been selected for crossover: K1=001100 and K2=010100. Assume there is no mutation. Crossover point is
after the first third (from the left). **What is the result of crossover?**

- 000100
- 010100
- 001100
- 010101

Obriši moj odabir

Pitanje **2**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

We use the genetic algorithm to minimize $f(x)$. Which of the following we can use as the fitness function?

- $1 + f(x)$
- $f(x)/2$
- $1 - f(x)$
- $2f(x)$

Obriši moj odabir

Pitanje **7**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

The factor γ in reinforcement learning serves for:

- discounting future rewards
- controlling the learning rate
- forced exploration
- finding a maximum-value solution

Preostalo vrijeme 0:03:34

Pitanje **6**

Nije još odgovoreno

Broj bodova od 1,00

Označi pitanje

Two chromosomes have been selected for crossover: K1=001100 and K2=010100. Assume there is no mutation. Crossover point is
after the first third (from the left). **What is the result of crossover?**

- 001100
- 010100
- 000100
- 010101