

Competition: **REINFORCEMENT LEARNING**

**Task 5 (10%)**

Write a program that computes the value function  $V^*(s)$  for a Markov Decision Process with the following parameters:

State-action reward function  $R(s,a)$  is defined as follows:  $R(s,a) =$  \_\_\_\_\_

Discount factor  $\gamma = 0.9$  and the initial state is  $s_0 =$  \_\_\_\_\_

A. Right \_\_\_\_\_

B. Forward \_\_\_\_\_

C. Backward \_\_\_\_\_

D. None \_\_\_\_\_

E. Other \_\_\_\_\_

Submit your code as a file named `task5.py` to the server.