

Onchain 2019

Summer Intern Programme

Blockchain Core Development Engineer Challenge Puzzle

Please select one topic as below. Online reference and teams are allowed. If you complete by teams, please give the team division.

Please provide implementation code by any computer language and interaction scenarios.

1. Basketball Match (can be teamed up, should completed within 48 hours)

Design and complete the description of a basketball match process

2. Snake (can be teamed up, should completed within 24 hours)

The initial snake is defined as a 1x1 point.

Specify the rectangle range $[x, y]$, giving the coordinates and orientation of the snake starting point $[x_s, y_s, d_s]$. d is represented by a single character, which is E/S/W/N, corresponding to east, south, west, and north.

Enter the manipulation command string. The control is L/R/F, corresponding to left, right, and forward.

Outputs the coordinates and orientation of the snake after the manipulation command $[x_e, y_e, d_e]$.