МИНОБРНАУКИ РОССИИ САНКТ-ПЕТЕРБУРГСКИЙ ГОСУДАРСТВЕННЫЙ ЭЛЕКТРОТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ «ЛЭТИ» ИМ. В.И. УЛЬЯНОВА (ЛЕНИНА) Кафедра МО ЭВМ

ОТЧЕТ

по лабораторной работе №4 по дисциплине «Объектно-ориентированное программирование» Тема: «Полиморфизм»

Студент гр. 8304	Щука А.А.
Преподаватель	Размочаева Н.В.

Санкт-Петербург 2020

Цель работы.

Научиться реализовывать логирование программы и запись логов в файл и терминал.

Постановка задачи.

Реализовать набор классов, для ведения логирования действий и состояний программы.

Основные требования:

- Логирование действий пользователя
- Логирование действий юнитов и базы
- Реализована возможность записи логов в файл
- Реализована возможность записи логов в терминал
- Выполнены основные требования к логированию
- Взаимодействие с файлами должны быть по идиоме RAII

Ход выполнения.

1) Был реализован набор классов для логирования в файл и терминал. Классы имеют общий интерфейс, поэтому взаимозаменяемы в программе. Взаимодействие с файлами происходит по идиоме RAII, при записи очередного сообщения файл открывается на до-запись, после записи файл закрывается. Так, в случае ошибки в программе или иной непредвиденной ситуации данные файла сохранятся. UML-диаграмма приведена на рис. 1.

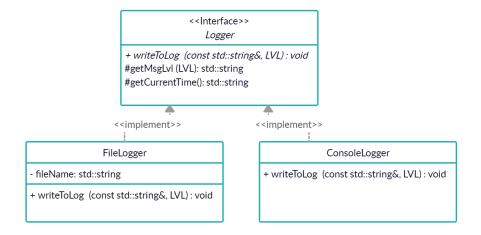
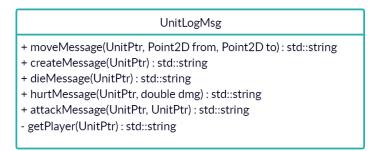


Рисунок 1- Набор классов логирования

2) Был реализован набор классов для генерации сообщений логов. Например, создание юнитов, их передвижение, действия пользователя и т.д. Сообщения позволяют логировать весь основной функционал игры. UML-диаграммы классов приведены на рис. 2.



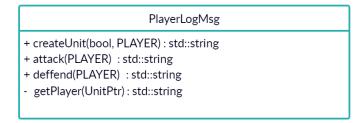


Рисунок 2- Набор классов для генерации сообщений

- 3) В классах Game, Mediator, Facade был добавлен функционал логирования, а именно запись логов при определенных событиях.
- 4) Было проведено тестирование. В приложении А приведено содержимое файла log.txt.

Выводы.

В ходе выполнения работы были созданы наборы классов для логирования действий юнитов и пользователя. Были выполнены все основные требования.

ПРИЛОЖЕНИЕ А. СОДЕРЖИМОЕ ФАЙЛА LOG.TXT.

```
INFO(Sun Mar 22 18:45:55 2020): START GAME
INFO(Sun Mar 22 18:45:58 2020): Unit: B. Player: 1. Was create on position (1, 9)
INFO(Sun Mar 22 18:45:58 2020): Unit: B. Player: 2. Was create on position (29, 9)
INFO(Sun Mar 22 18:45:58 2020): Player: 2. Now is attacking.
INFO(Sun Mar 22 18:45:58 2020): Player: 1. Now is deffending.
INFO(Sun Mar 22 18:46:03 2020): Player: 1. Now is attacking.
WARNING(Sun Mar 22 18:46:05 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:05 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:05 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:05 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:07 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:07 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:07 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:07 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:08 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:08 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:08 2020): Unit: K. Player: 2. Was create on position (28, 10)
INFO(Sun Mar 22 18:46:08 2020): Player: 2. Unit was create
INFO(Sun Mar 22 18:46:08 2020): Unit: K. Player: 2. Move from (28, 10) Move to (27,
10)
INFO(Sun Mar 22 18:46:08 2020): Unit: K. Player: 2. Move from (27, 10) Move to (27,
11)
INFO(Sun Mar 22 18:46:08 2020): Unit: K. Player: 2. Move from (27, 11) Move to (26,
11)
INFO(Sun Mar 22 18:46:08 2020): Unit: K. Player: 2. Move from (26, 11) Move to (26,
12)
INFO(Sun Mar 22 18:46:09 2020): Unit: K. Player: 2. Move from (26, 12) Move to (25,
12)
INFO(Sun Mar 22 18:46:09 2020): Unit: K. Player: 2. Move from (25, 12) Move to (25,
13)
INFO(Sun Mar 22 18:46:09 2020): Unit: K. Player: 2. Move from (25, 13) Move to (24,
13)
INFO(Sun Mar 22 18:46:09 2020): Unit: K. Player: 2. Move from (24, 13) Move to (24,
14)
INFO(Sun Mar 22 18:46:09 2020): Unit: K. Player: 2. Move from (24, 14) Move to (23,
14)
INFO(Sun Mar 22 18:46:09 2020): Unit: K. Player: 2. Move from (23, 14) Move to (22,
14)
INFO(Sun Mar 22 18:46:10 2020): Unit: K. Player: 2. Move from (22, 14) Move to (21,
14)
INFO(Sun Mar 22 18:46:10 2020): Unit: K. Player: 2. Move from (21, 14) Move to (20,
14)
INFO(Sun Mar 22 18:46:10 2020): Unit: K. Player: 2. Move from (20, 14) Move to (19,
14)
INFO(Sun Mar 22 18:46:10 2020): Unit: K. Player: 2. Move from (19, 14) Move to (18,
INFO(Sun Mar 22 18:46:11 2020): Unit: K. Player: 2. Move from (18, 14) Move to (17,
14)
```

```
INFO(Sun Mar 22 18:46:11 2020): Unit: K. Player: 2. Move from (17, 14) Move to (16,
14)
INFO(Sun Mar 22 18:46:11 2020): Unit: K. Player: 2. Move from (16, 14) Move to (15,
14)
INFO(Sun Mar 22 18:46:11 2020): Unit: K. Player: 2. Move from (15, 14) Move to (14,
14)
INFO(Sun Mar 22 18:46:11 2020): Unit: K. Player: 2. Move from (14, 14) Move to (13,
14)
INFO(Sun Mar 22 18:46:11 2020): Unit: K. Player: 2. Move from (13, 14) Move to (13,
13)
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (13, 13) Move to (12,
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (12, 13) Move to (12,
12)
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (12, 12) Move to (11,
12)
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (11, 12) Move to (11,
11)
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (11, 11) Move to (10,
11)
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (10, 11) Move to (10,
10)
INFO(Sun Mar 22 18:46:12 2020): Unit: D. Player: 2. Was create on position (2, 8)
INFO(Sun Mar 22 18:46:12 2020):
                                Player: 1. Unit was create
INFO(Sun Mar 22 18:46:12 2020):
                                Unit: D. Player: 1. Move from (2, 8) Move to (3, 8)
INFO(Sun Mar 22 18:46:12 2020):
                                Unit: D. Player: 1. Move from (3, 8) Move to (3, 7)
INFO(Sun Mar 22 18:46:12 2020):
                                Unit: K. Player: 2. Move from (10, 10) Move to (9,
10)
INFO(Sun Mar 22 18:46:12 2020): Unit: K. Player: 2. Move from (9, 10) Move to (9, 9)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Move from (3, 7) Move to (4, 7)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Move from (4, 7) Move to (4, 6)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: K. Player: 2. Move from (9, 9) Move to (8, 9)
                                Unit: K. Player: 2. Move from (8, 9) Move to (8, 8)
INFO(Sun Mar 22 18:46:13 2020):
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Move from (4, 6) Move to (5, 6)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Move from (5, 6) Move to (5, 5)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: K. Player: 2. Move from (8, 8) Move to (7, 8)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: K. Player: 2. Move from (7, 8) Move to (7, 9)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Move from (5, 5) Move to (6, 5)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Move from (6, 5) Move to (6, 4)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: K. Player: 2. Move from (7, 9) Move to (6, 9)
                                Unit: K. Player: 2. Move from (6, 9) Move to (6, 8)
INFO(Sun Mar 22 18:46:13 2020):
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:13 2020):
                                Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
```

```
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:14 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:14 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:

    Enemy position: (6, 4)

INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:15 2020): Unit: W. Player: 2. Was create on position (28, 8)
INFO(Sun Mar 22 18:46:15 2020):
                                Player: 2. Unit was create
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:15 2020):
                                Unit: K. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:15 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:15 2020): Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:15 2020): Unit: W. Player: 2. Move from (28, 8) Move to (27,
INFO(Sun Mar 22 18:46:15 2020): Unit: W. Player: 2. Move from (27, 8) Move to (27,
INFO(Sun Mar 22 18:46:16 2020): Unit: D. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (6, 8)
INFO(Sun Mar 22 18:46:16 2020): Unit: K. Player: 2. Take damage: 7.500000
```

```
INFO(Sun Mar 22 18:46:16 2020): Unit: K. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (6, 4)
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: D. Player: 1. Take damage: 9.000000
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: W. Player: 2. Move from (27, 9) Move to (26,
9)
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: K. Player: 2. Died on position (6, 8)
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: D. Player: 1. Move from (6, 4) Move to (7, 4)
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: W. Player: 2. Move from (26, 9) Move to (25,
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: D. Player: 1. Move from (7, 4) Move to (8, 4)
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: W. Player: 2. Move from (25, 9) Move to (24,
9)
INFO(Sun Mar 22 18:46:16 2020):
                                 Unit: D. Player: 1. Move from (8, 4) Move to (9, 4)
                                 Unit: W. Player: 2. Move from (24, 9) Move to (23,
INFO(Sun Mar 22 18:46:16 2020):
9)
INFO(Sun Mar 22 18:46:17 2020):
                                 Unit: D. Player: 1. Move from (9, 4) Move to (10, 4)
INFO(Sun Mar 22 18:46:17 2020):
                                 Unit: W. Player: 2. Move from (23, 9) Move to (22,
INFO(Sun Mar 22 18:46:17 2020):
                                 Unit: D. Player: 1. Move from (10, 4) Move to (11,
4)
INFO(Sun Mar 22 18:46:17 2020): Unit: W. Player: 2. Move from (22, 9) Move to (21,
INFO(Sun Mar 22 18:46:17 2020): Unit: D. Player: 1. Move from (11, 4) Move to (12,
INFO(Sun Mar 22 18:46:17 2020): Unit: W. Player: 2. Move from (21, 9) Move to (20,
9)
INFO(Sun Mar 22 18:46:17 2020):
                                 Unit: D. Player: 1. Move from (12, 4) Move to (13,
INFO(Sun Mar 22 18:46:17 2020):
                                 Unit: W. Player: 2. Move from (20, 9) Move to (19,
9)
                                 Unit: D. Player: 1. Move from (13, 4) Move to (14,
INFO(Sun Mar 22 18:46:18 2020):
INFO(Sun Mar 22 18:46:18 2020):
                                 Unit: W. Player: 2. Move from (19, 9) Move to (18,
                                 Unit: D. Player: 1. Move from (14, 4) Move to (15,
INFO(Sun Mar 22 18:46:18 2020):
4)
INFO(Sun Mar 22 18:46:18 2020):
                                 Unit: W. Player: 2. Move from (18, 9) Move to (17,
                                 Unit: D. Player: 1. Move from (15, 4) Move to (16,
INFO(Sun Mar 22 18:46:18 2020):
4)
INFO(Sun Mar 22 18:46:18 2020):
                                 Unit: W. Player: 2. Move from (17, 9) Move to (16,
INFO(Sun Mar 22 18:46:18 2020):
                                 Unit: D. Player: 1. Move from (16, 4) Move to (17,
INFO(Sun Mar 22 18:46:18 2020): Unit: W. Player: 2. Move from (16, 9) Move to (15,
9)
INFO(Sun Mar 22 18:46:19 2020): Unit: D. Player: 1. Move from (17, 4) Move to (18,
INFO(Sun Mar 22 18:46:19 2020): Unit: D. Player: 1. Move from (18, 4) Move to (18,
5)
INFO(Sun Mar 22 18:46:19 2020): Unit: W. Player: 2. Move from (15, 9) Move to (14,
9)
```

```
INFO(Sun Mar 22 18:46:19 2020): Unit: T. Player: 2. Was create on position (2, 9)
INFO(Sun Mar 22 18:46:19 2020):
                                 Player: 1. Unit was create
                                 Unit: T. Player: 1. Move from (2, 9) Move to (3, 9)
INFO(Sun Mar 22 18:46:19 2020):
INFO(Sun Mar 22 18:46:19 2020):
                                 Unit: D. Player: 1. Move from (18, 5) Move to (19,
5)
INFO(Sun Mar 22 18:46:19 2020): Unit: D. Player: 1. Move from (19, 5) Move to (19,
INFO(Sun Mar 22 18:46:19 2020):
                                Unit: W. Player: 2. Move from (14, 9) Move to (13,
9)
INFO(Sun Mar 22 18:46:19 2020):
                                 Unit: T. Player: 1. Move from (3, 9) Move to (4, 9)
INFO(Sun Mar 22 18:46:19 2020):
                                 Unit: D. Player: 1. Move from (19, 6) Move to (20,
                                Unit: D. Player: 1. Move from (20, 6) Move to (20,
INFO(Sun Mar 22 18:46:19 2020):
INFO(Sun Mar 22 18:46:19 2020): Unit: W. Player: 2. Move from (13, 9) Move to (12,
9)
INFO(Sun Mar 22 18:46:19 2020):
                                Unit: T. Player: 1. Move from (4, 9) Move to (5, 9)
INFO(Sun Mar 22 18:46:19 2020):
                                Unit: D. Player: 1. Move from (20, 7) Move to (21,
INFO(Sun Mar 22 18:46:19 2020): Unit: D. Player: 1. Move from (21, 7) Move to (21,
8)
INFO(Sun Mar 22 18:46:19 2020): Unit: W. Player: 2. Move from (12, 9) Move to (11,
INFO(Sun Mar 22 18:46:20 2020):
                                Unit: T. Player: 1. Move from (5, 9) Move to (6, 9)
INFO(Sun Mar 22 18:46:20 2020):
                                Unit: D. Player: 1. Move from (21, 8) Move to (22,
8)
INFO(Sun Mar 22 18:46:20 2020): Unit: D. Player: 1. Move from (22, 8) Move to (22,
INFO(Sun Mar 22 18:46:20 2020): Unit: W. Player: 2. Move from (11, 9) Move to (10,
9)
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: T. Player: 1. Move from (6, 9) Move to (7, 9)
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: D. Player: 1. Move from (22, 9) Move to (23,
INFO(Sun Mar 22 18:46:20 2020):
                                Unit: D. Player: 1. Move from (23, 9) Move to (23,
8)
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: W. Player: 2. Move from (10, 9) Move to (9, 9)
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: T. Player: 1. Move from (7, 9) Move to (8, 9)
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: D. Player: 1. Move from (23, 8) Move to (24,
INFO(Sun Mar 22 18:46:20 2020):
                                Unit: D. Player: 1. Move from (24, 8) Move to (24,
9)
INFO(Sun Mar 22 18:46:20 2020):
                                Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:20 2020):
                                 Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:20 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:20 2020): Unit: D. Player: 1. Move from (24, 9) Move to (25,
INFO(Sun Mar 22 18:46:20 2020): Unit: D. Player: 1. Move from (25, 9) Move to (25,
8)
```

```
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Take damage: 10.000000
WARNING(Sun Mar 22 18:46:21 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:21 2020): Unit: D. Player: 1. Move from (25, 8) Move to (26,
INFO(Sun Mar 22 18:46:21 2020): Unit: D. Player: 1. Move from (26, 8) Move to (26,
9)
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:

    Enemy position: (8, 9)

INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:21 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:21 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:21 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:21 2020): Unit: T. Player: 1. Take damage: 10.000000
                                Unit: T. Player: 1. Died on position (8, 9)
INFO(Sun Mar 22 18:46:21 2020):
INFO(Sun Mar 22 18:46:22 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:22 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:22 2020): Unit: W. Player: 2. Move from (9, 9) Move to (8, 9)
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
INFO(Sun Mar 22 18:46:22 2020):
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:22 2020): Unit: B. Player: 2. Take damage: 7.500000
                                Unit: W. Player: 2. Move from (8, 9) Move to (7, 9)
INFO(Sun Mar 22 18:46:22 2020):
INFO(Sun Mar 22 18:46:22 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:22 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:22 2020): Unit: W. Player: 2. Move from (7, 9) Move to (6, 9)
INFO(Sun Mar 22 18:46:22 2020): Unit: T. Player: 2. Was create on position (2, 10)
INFO(Sun Mar 22 18:46:22 2020): Player: 1. Unit was create
INFO(Sun Mar 22 18:46:22 2020): Unit: T. Player: 1. Move from (2, 10) Move to (3,
INFO(Sun Mar 22 18:46:22 2020): Unit: T. Player: 1. Move from (3, 10) Move to (3, 9)
INFO(Sun Mar 22 18:46:22 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
```

```
INFO(Sun Mar 22 18:46:22 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:22 2020): Unit: W. Player: 2. Move from (6, 9) Move to (5, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Move from (3, 9) Move to (4, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (4, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (5, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:23 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:

    Enemy position: (4, 9)

INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (5, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:23 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:

    Enemy position: (4, 9)

INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (5, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:23 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:23 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (4, 9)
INFO(Sun Mar 22 18:46:23 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:24 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (5, 9)
INFO(Sun Mar 22 18:46:24 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:24 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:24 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:24 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (4, 9)
INFO(Sun Mar 22 18:46:24 2020): Unit: T. Player: 1. Take damage: 10.000000
WARNING(Sun Mar 22 18:46:24 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:24 2020): Unit: T. Player: 1. Died on position (4, 9)
INFO(Sun Mar 22 18:46:24 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:24 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:24 2020): Unit: W. Player: 2. Move from (5, 9) Move to (4, 9)
WARNING(Sun Mar 22 18:46:24 2020): Player: 2. Unit wasn't create!
```

```
INFO(Sun Mar 22 18:46:24 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:24 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:24 2020): Unit: W. Player: 2. Move from (4, 9) Move to (3, 9)
WARNING(Sun Mar 22 18:46:24 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:25 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:25 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:25 2020): Unit: W. Player: 2. Move from (3, 9) Move to (2, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:25 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:25 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:25 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:

    Enemy position: (1, 9)

INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:25 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:25 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:25 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:26 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:26 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:26 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:26 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:26 2020): Unit: ^. Player: 2. Was create on position (28, 8)
INFO(Sun Mar 22 18:46:26 2020): Player: 2. Unit was create
INFO(Sun Mar 22 18:46:26 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:26 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:26 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:26 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:26 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:26 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:26 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:26 2020): Unit: B. Player: 1. Take damage: 5.000000
WARNING(Sun Mar 22 18:46:26 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:26 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:26 2020): Unit: ^. Player: 2. Take damage: 9.000000
```

```
INFO(Sun Mar 22 18:46:26 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:26 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:27 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:27 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:27 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:27 2020): Unit: B. Player: 1. Take damage: 5.000000
WARNING(Sun Mar 22 18:46:27 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:27 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:27 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:27 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:27 2020): Unit: B. Player: 1. Take damage: 5.000000
WARNING(Sun Mar 22 18:46:27 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:27 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:27 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:27 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:27 2020): Unit: B. Player: 1. Take damage: 5.000000
WARNING(Sun Mar 22 18:46:27 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:27 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:27 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:27 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:27 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:28 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:28 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:28 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:28 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:28 2020): Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:28 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:28 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:28 2020): Unit: ^. Player: 2. Take damage: 9.000000
```

```
INFO(Sun Mar 22 18:46:28 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:28 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:29 2020): Unit: D. Player: 1. Attack to enemy unit: ^. Player:
2. Enemy position: (28, 8)
INFO(Sun Mar 22 18:46:29 2020):
                                 Unit: ^. Player: 2. Take damage: 9.000000
INFO(Sun Mar 22 18:46:29 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:29 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:29 2020):
                                 Unit: ^. Player: 2. Died on position (28, 8)
INFO(Sun Mar 22 18:46:29 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:29 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:29 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:29 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:29 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:29 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:29 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:

    Enemy position: (1, 9)

INFO(Sun Mar 22 18:46:29 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:29 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:29 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:29 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:29 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:30 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:30 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:30 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:30 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:30 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:30 2020):
                                 Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:30 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:

    Enemy position: (1, 9)

INFO(Sun Mar 22 18:46:30 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:30 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:30 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:30 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:30 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:30 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:30 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:30 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:

    Enemy position: (1, 9)

INFO(Sun Mar 22 18:46:30 2020): Unit: B. Player: 1. Take damage: 5.000000
```

```
INFO(Sun Mar 22 18:46:31 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:31 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:31 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:31 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:31 2020): Unit: T. Player: 2. Was create on position (2, 10)
INFO(Sun Mar 22 18:46:31 2020): Player: 1. Unit was create
INFO(Sun Mar 22 18:46:31 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:31 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:31 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:31 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:31 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:31 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:31 2020): Unit: W. Player: 2. Died on position (2, 9)
WARNING(Sun Mar 22 18:46:31 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:31 2020): Unit: T. Player: 1. Move from (2, 10) Move to (3,
INFO(Sun Mar 22 18:46:31 2020): Unit: T. Player: 1. Move from (3, 10) Move to (3, 9)
INFO(Sun Mar 22 18:46:31 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:31 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:31 2020): Unit: T. Player: 1. Move from (3, 9) Move to (4, 9)
INFO(Sun Mar 22 18:46:31 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:31 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: T. Player: 1. Move from (4, 9) Move to (5, 9)
INFO(Sun Mar 22 18:46:32 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: T. Player: 1. Move from (5, 9) Move to (6, 9)
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
                                Unit: T. Player: 1. Move from (6, 9) Move to (7, 9)
INFO(Sun Mar 22 18:46:32 2020):
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: T. Player: 1. Move from (7, 9) Move to (8, 9)
INFO(Sun Mar 22 18:46:32 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:32 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:33 2020): Unit: T. Player: 1. Move from (8, 9) Move to (9, 9)
INFO(Sun Mar 22 18:46:33 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:33 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:33 2020): Unit: T. Player: 1. Move from (9, 9) Move to (10, 9)
INFO(Sun Mar 22 18:46:33 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
```

```
INFO(Sun Mar 22 18:46:33 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:33 2020): Unit: T. Player: 1. Move from (10, 9) Move to (11,
INFO(Sun Mar 22 18:46:33 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:33 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:33 2020): Unit: T. Player: 1. Move from (11, 9) Move to (12,
INFO(Sun Mar 22 18:46:33 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:33 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: T. Player: 1. Move from (12, 9) Move to (13,
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: W. Player: 2. Was create on position (28, 10)
INFO(Sun Mar 22 18:46:34 2020):
                                Player: 2. Unit was create
INFO(Sun Mar 22 18:46:34 2020): Unit: T. Player: 1. Move from (13, 9) Move to (14,
9)
INFO(Sun Mar 22 18:46:34 2020): Unit: D. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:34 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:34 2020): Unit: W. Player: 2. Move from (28, 10) Move to (27,
10)
INFO(Sun Mar 22 18:46:34 2020): Unit: W. Player: 2. Move from (27, 10) Move to (27,
INFO(Sun Mar 22 18:46:34 2020): Unit: T. Player: 1. Move from (14, 9) Move to (15,
INFO(Sun Mar 22 18:46:34 2020): Unit: D. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (27, 9)
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: W. Player: 2. Take damage: 12.000000
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: W. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (26, 9)
INFO(Sun Mar 22 18:46:34 2020): Unit: D. Player: 1. Take damage: 6.000000
INFO(Sun Mar 22 18:46:34 2020): Unit: T. Player: 1. Move from (15, 9) Move to (16,
9)
                                Unit: D. Player: 1. Attack to enemy unit: W. Player:
INFO(Sun Mar 22 18:46:34 2020):
2. Enemy position: (27, 9)
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: W. Player: 2. Take damage: 12.000000
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: W. Player: 2. Attack to enemy unit: D. Player:
1. Enemy position: (26, 9)
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: D. Player: 1. Take damage: 6.000000
INFO(Sun Mar 22 18:46:34 2020):
                                Unit: D. Player: 1. Died on position (26, 9)
INFO(Sun Mar 22 18:46:35 2020):
                                Unit: T. Player: 1. Move from (16, 9) Move to (17,
9)
INFO(Sun Mar 22 18:46:35 2020): Unit: W. Player: 2. Move from (27, 9) Move to (26,
INFO(Sun Mar 22 18:46:35 2020): Unit: T. Player: 1. Move from (17, 9) Move to (18,
9)
INFO(Sun Mar 22 18:46:35 2020): Unit: W. Player: 2. Move from (26, 9) Move to (25,
9)
```

```
INFO(Sun Mar 22 18:46:35 2020): Unit: T. Player: 1. Move from (18, 9) Move to (19,
9)
INFO(Sun Mar 22 18:46:35 2020): Unit: W. Player: 2. Move from (25, 9) Move to (24,
INFO(Sun Mar 22 18:46:35 2020): Unit: T. Player: 1. Move from (19, 9) Move to (20,
9)
INFO(Sun Mar 22 18:46:35 2020): Unit: W. Player: 2. Move from (24, 9) Move to (23,
INFO(Sun Mar 22 18:46:36 2020): Unit: T. Player: 1. Move from (20, 9) Move to (21,
9)
INFO(Sun Mar 22 18:46:36 2020): Unit: W. Player: 2. Move from (23, 9) Move to (22,
INFO(Sun Mar 22 18:46:36 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (22, 9)
INFO(Sun Mar 22 18:46:36 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:36 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (21, 9)
INFO(Sun Mar 22 18:46:36 2020):
                                Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:36 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (22, 9)
INFO(Sun Mar 22 18:46:36 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:36 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (21, 9)
INFO(Sun Mar 22 18:46:36 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:36 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (22, 9)
INFO(Sun Mar 22 18:46:36 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:36 2020):
                                Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (21, 9)
INFO(Sun Mar 22 18:46:36 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:37 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (22, 9)
INFO(Sun Mar 22 18:46:37 2020):
                                 Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:37 2020):
                                Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (21, 9)
                                Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:37 2020):
INFO(Sun Mar 22 18:46:37 2020):
                                Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (22, 9)
INFO(Sun Mar 22 18:46:37 2020):
                                 Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:37 2020):
                                 Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (21, 9)
INFO(Sun Mar 22 18:46:37 2020):
                                Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:37 2020): Unit: T. Player: 1. Died on position (21, 9)
INFO(Sun Mar 22 18:46:37 2020): Unit: W. Player: 2. Move from (22, 9) Move to (21,
9)
INFO(Sun Mar 22 18:46:37 2020): Unit: W. Player: 2. Move from (21, 9) Move to (20,
INFO(Sun Mar 22 18:46:38 2020): Unit: W. Player: 2. Move from (20, 9) Move to (19,
INFO(Sun Mar 22 18:46:38 2020): Unit: W. Player: 2. Move from (19, 9) Move to (18,
9)
```

```
INFO(Sun Mar 22 18:46:38 2020): Unit: W. Player: 2. Move from (18, 9) Move to (17,
9)
INFO(Sun Mar 22 18:46:38 2020): Unit: W. Player: 2. Move from (17, 9) Move to (16,
INFO(Sun Mar 22 18:46:39 2020): Unit: W. Player: 2. Move from (16, 9) Move to (15,
9)
INFO(Sun Mar 22 18:46:39 2020): Unit: W. Player: 2. Move from (15, 9) Move to (14,
INFO(Sun Mar 22 18:46:39 2020):
                                Unit: T. Player: 2. Was create on position (2, 9)
INFO(Sun Mar 22 18:46:39 2020):
                                Player: 1. Unit was create
INFO(Sun Mar 22 18:46:39 2020):
                                Unit: T. Player: 1. Move from (2, 9) Move to (3, 9)
INFO(Sun Mar 22 18:46:39 2020):
                                Unit: W. Player: 2. Move from (14, 9) Move to (13,
INFO(Sun Mar 22 18:46:39 2020): Unit: T. Player: 1. Move from (3, 9) Move to (4, 9)
INFO(Sun Mar 22 18:46:39 2020):
                                Unit: W. Player: 2. Move from (13, 9) Move to (12,
9)
INFO(Sun Mar 22 18:46:39 2020): Unit: T. Player: 1. Move from (4, 9) Move to (5, 9)
INFO(Sun Mar 22 18:46:39 2020):
                                Unit: W. Player: 2. Move from (12, 9) Move to (11,
INFO(Sun Mar 22 18:46:40 2020): Unit: T. Player: 1. Move from (5, 9) Move to (6, 9)
INFO(Sun Mar 22 18:46:40 2020): Unit: W. Player: 2. Move from (11, 9) Move to (10,
9)
INFO(Sun Mar 22 18:46:40 2020):
                                Unit: T. Player: 1. Move from (6, 9) Move to (7, 9)
INFO(Sun Mar 22 18:46:40 2020): Unit: W. Player: 2. Move from (10, 9) Move to (9, 9)
INFO(Sun Mar 22 18:46:40 2020):
                                Unit: T. Player: 1. Move from (7, 9) Move to (8, 9)
INFO(Sun Mar 22 18:46:40 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:40 2020):
                                Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:40 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:40 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:40 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:40 2020): Unit: T. Player: 1. Take damage: 10.000000
WARNING(Sun Mar 22 18:46:40 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:40 2020): Unit: W. Player: 2. Died on position (9, 9)
INFO(Sun Mar 22 18:46:41 2020): Unit: T. Player: 1. Move from (8, 9) Move to (9, 9)
INFO(Sun Mar 22 18:46:41 2020): Unit: T. Player: 1. Move from (9, 9) Move to (10, 9)
INFO(Sun Mar 22 18:46:41 2020): Unit: T. Player: 1. Move from (10, 9) Move to (11,
9)
INFO(Sun Mar 22 18:46:41 2020): Unit: T. Player: 1. Move from (11, 9) Move to (12,
INFO(Sun Mar 22 18:46:42 2020): Unit: T. Player: 1. Move from (12, 9) Move to (13,
INFO(Sun Mar 22 18:46:42 2020): Unit: T. Player: 1. Move from (13, 9) Move to (14,
9)
INFO(Sun Mar 22 18:46:42 2020): Unit: T. Player: 1. Move from (14, 9) Move to (15,
INFO(Sun Mar 22 18:46:42 2020): Unit: T. Player: 1. Move from (15, 9) Move to (16,
9)
INFO(Sun Mar 22 18:46:43 2020): Unit: T. Player: 1. Move from (16, 9) Move to (17,
9)
```

```
WARNING(Sun Mar 22 18:46:43 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:43 2020): Unit: T. Player: 1. Move from (17, 9) Move to (18,
WARNING(Sun Mar 22 18:46:43 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:43 2020): Unit: T. Player: 1. Move from (18, 9) Move to (19,
WARNING(Sun Mar 22 18:46:43 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:43 2020): Unit: T. Player: 1. Move from (19, 9) Move to (20,
WARNING(Sun Mar 22 18:46:43 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:44 2020): Unit: T. Player: 1. Move from (20, 9) Move to (21,
INFO(Sun Mar 22 18:46:44 2020): Unit: T. Player: 1. Move from (21, 9) Move to (22,
INFO(Sun Mar 22 18:46:44 2020): Unit: T. Player: 1. Move from (22, 9) Move to (23,
9)
INFO(Sun Mar 22 18:46:44 2020): Unit: T. Player: 1. Move from (23, 9) Move to (24,
INFO(Sun Mar 22 18:46:44 2020): Unit: T. Player: 1. Move from (24, 9) Move to (25,
9)
INFO(Sun Mar 22 18:46:45 2020): Unit: T. Player: 1. Move from (25, 9) Move to (26,
INFO(Sun Mar 22 18:46:45 2020): Unit: W. Player: 2. Was create on position (28, 10)
INFO(Sun Mar 22 18:46:45 2020): Player: 2. Unit was create
INFO(Sun Mar 22 18:46:45 2020): Unit: T. Player: 1. Move from (26, 9) Move to (27,
9)
INFO(Sun Mar 22 18:46:45 2020): Unit: W. Player: 2. Move from (28, 10) Move to (27,
ERROR(Sun Mar 22 18:46:45 2020): Unit: W. Player: 2. Move from (27, 10) Move to (27,
9)
INFO(Sun Mar 22 18:46:45 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (27, 10)
INFO(Sun Mar 22 18:46:45 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:45 2020):
                                Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (27, 9)
INFO(Sun Mar 22 18:46:45 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:45 2020): Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (27, 10)
INFO(Sun Mar 22 18:46:45 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:45 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (27, 9)
INFO(Sun Mar 22 18:46:45 2020):
                                Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:46 2020):
                                Unit: T. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (27, 10)
INFO(Sun Mar 22 18:46:46 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:46 2020): Unit: W. Player: 2. Attack to enemy unit: T. Player:
1. Enemy position: (27, 9)
INFO(Sun Mar 22 18:46:46 2020): Unit: T. Player: 1. Take damage: 10.000000
INFO(Sun Mar 22 18:46:46 2020): Unit: T. Player: 1. Died on position (27, 9)
INFO(Sun Mar 22 18:46:46 2020): Unit: W. Player: 2. Move from (27, 10) Move to (26,
10)
```

```
INFO(Sun Mar 22 18:46:46 2020): Unit: W. Player: 2. Move from (26, 10) Move to (26,
9)
INFO(Sun Mar 22 18:46:46 2020): Unit: W. Player: 2. Move from (26, 9) Move to (25,
INFO(Sun Mar 22 18:46:46 2020): Unit: W. Player: 2. Move from (25, 9) Move to (24,
9)
INFO(Sun Mar 22 18:46:47 2020): Unit: W. Player: 2. Move from (24, 9) Move to (23,
INFO(Sun Mar 22 18:46:47 2020): Unit: W. Player: 2. Move from (23, 9) Move to (22,
9)
INFO(Sun Mar 22 18:46:47 2020): Unit: W. Player: 2. Move from (22, 9) Move to (21,
INFO(Sun Mar 22 18:46:47 2020): Unit: W. Player: 2. Move from (21, 9) Move to (20,
INFO(Sun Mar 22 18:46:48 2020): Unit: W. Player: 2. Move from (20, 9) Move to (19,
9)
WARNING(Sun Mar 22 18:46:48 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 2. Was create on position (2, 8)
INFO(Sun Mar 22 18:46:48 2020): Player: 1. Unit was create
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 1. Move from (2, 8) Move to (3, 8)
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 1. Move from (3, 8) Move to (3, 7)
INFO(Sun Mar 22 18:46:48 2020): Unit: W. Player: 2. Move from (19, 9) Move to (18,
WARNING(Sun Mar 22 18:46:48 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:48 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 1. Move from (3, 7) Move to (4, 7)
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 1. Move from (4, 7) Move to (4, 6)
INFO(Sun Mar 22 18:46:48 2020): Unit: W. Player: 2. Move from (18, 9) Move to (17,
WARNING(Sun Mar 22 18:46:48 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:48 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 1. Move from (4, 6) Move to (5, 6)
INFO(Sun Mar 22 18:46:48 2020): Unit: K. Player: 1. Move from (5, 6) Move to (5, 5)
INFO(Sun Mar 22 18:46:48 2020): Unit: W. Player: 2. Move from (17, 9) Move to (16,
9)
WARNING(Sun Mar 22 18:46:48 2020): Player: 2. Unit wasn't create!
WARNING(Sun Mar 22 18:46:49 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:49 2020): Unit: K. Player: 1. Move from (5, 5) Move to (6, 5)
INFO(Sun Mar 22 18:46:49 2020): Unit: K. Player: 1. Move from (6, 5) Move to (6, 4)
INFO(Sun Mar 22 18:46:49 2020): Unit: W. Player: 2. Move from (16, 9) Move to (15,
9)
WARNING(Sun Mar 22 18:46:49 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:49 2020): Unit: K. Player: 1. Move from (6, 4) Move to (7, 4)
INFO(Sun Mar 22 18:46:49 2020): Unit: W. Player: 2. Move from (15, 9) Move to (14,
9)
WARNING(Sun Mar 22 18:46:49 2020): Player: 1. Unit wasn't create!
INFO(Sun Mar 22 18:46:49 2020): Unit: K. Player: 1. Move from (7, 4) Move to (8, 4)
INFO(Sun Mar 22 18:46:49 2020): Unit: W. Player: 2. Move from (14, 9) Move to (13,
INFO(Sun Mar 22 18:46:49 2020): Unit: K. Player: 1. Move from (8, 4) Move to (9, 4)
INFO(Sun Mar 22 18:46:49 2020): Unit: W. Player: 2. Move from (13, 9) Move to (12,
9)
```

```
INFO(Sun Mar 22 18:46:50 2020): Unit: K. Player: 1. Move from (9, 4) Move to (10, 4)
INFO(Sun Mar 22 18:46:50 2020): Unit: W. Player: 2. Move from (12, 9) Move to (11,
INFO(Sun Mar 22 18:46:50 2020): Unit: K. Player: 1. Move from (10, 4) Move to (11,
4)
INFO(Sun Mar 22 18:46:50 2020): Unit: W. Player: 2. Move from (11, 9) Move to (10,
INFO(Sun Mar 22 18:46:50 2020): Unit: K. Player: 1. Move from (11, 4) Move to (12,
4)
INFO(Sun Mar 22 18:46:50 2020):
                                Unit: W. Player: 2. Move from (10, 9) Move to (9, 9)
INFO(Sun Mar 22 18:46:50 2020):
                                Unit: K. Player: 1. Move from (12, 4) Move to (13,
4)
                                Unit: W. Player: 2. Move from (9, 9) Move to (8, 9)
INFO(Sun Mar 22 18:46:50 2020):
                                Unit: K. Player: 1. Move from (13, 4) Move to (14,
INFO(Sun Mar 22 18:46:51 2020):
4)
INFO(Sun Mar 22 18:46:51 2020): Unit: W. Player: 2. Move from (8, 9) Move to (7, 9)
WARNING(Sun Mar 22 18:46:51 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:51 2020): Unit: K. Player: 1. Move from (14, 4) Move to (15,
INFO(Sun Mar 22 18:46:51 2020): Unit: W. Player: 2. Move from (7, 9) Move to (6, 9)
WARNING(Sun Mar 22 18:46:51 2020): Player: 2. Unit wasn't create!
INFO(Sun Mar 22 18:46:51 2020): Unit: K. Player: 1. Move from (15, 4) Move to (16,
INFO(Sun Mar 22 18:46:51 2020): Unit: W. Player: 2. Move from (6, 9) Move to (5, 9)
INFO(Sun Mar 22 18:46:51 2020): Unit: K. Player: 2. Was create on position (28, 9)
                                Player: 2. Unit was create
INFO(Sun Mar 22 18:46:51 2020):
INFO(Sun Mar 22 18:46:51 2020):
                                Unit: K. Player: 1. Move from (16, 4) Move to (17,
4)
INFO(Sun Mar 22 18:46:51 2020): Unit: W. Player: 2. Move from (5, 9) Move to (4, 9)
INFO(Sun Mar 22 18:46:51 2020): Unit: K. Player: 2. Move from (28, 9) Move to (27,
9)
INFO(Sun Mar 22 18:46:51 2020): Unit: K. Player: 2. Move from (27, 9) Move to (27,
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 1. Move from (17, 4) Move to (18,
4)
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 1. Move from (18, 4) Move to (18,
                                Unit: W. Player: 2. Move from (4, 9) Move to (3, 9)
INFO(Sun Mar 22 18:46:52 2020):
                                Unit: K. Player: 2. Move from (27, 10) Move to (26,
INFO(Sun Mar 22 18:46:52 2020):
10)
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 2. Move from (26, 10) Move to (26,
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 1. Move from (18, 5) Move to (19,
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 1. Move from (19, 5) Move to (19,
6)
INFO(Sun Mar 22 18:46:52 2020): Unit: W. Player: 2. Move from (3, 9) Move to (2, 9)
INFO(Sun Mar 22 18:46:52 2020):
                                Unit: K. Player: 2. Move from (26, 11) Move to (25,
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 2. Move from (25, 11) Move to (25,
12)
```

```
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 1. Move from (19, 6) Move to (20,
6)
INFO(Sun Mar 22 18:46:52 2020): Unit: K. Player: 1. Move from (20, 6) Move to (20,
7)
INFO(Sun Mar 22 18:46:52 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:52 2020):
                                 Unit: B. Player: 1. Take damage: 5.000000
                                 Unit: K. Player: 2. Move from (25, 12) Move to (24,
INFO(Sun Mar 22 18:46:52 2020):
INFO(Sun Mar 22 18:46:52 2020):
                                 Unit: K. Player: 2. Move from (24, 12) Move to (24,
13)
INFO(Sun Mar 22 18:46:52 2020):
                                 Unit: K. Player: 1. Move from (20, 7) Move to (21,
INFO(Sun Mar 22 18:46:52 2020):
                                 Unit: K. Player: 1. Move from (21, 7) Move to (21,
8)
INFO(Sun Mar 22 18:46:52 2020):
                                 Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:52 2020):
                                 Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: K. Player: 2. Move from (24, 13) Move to (23,
13)
INFO(Sun Mar 22 18:46:53 2020): Unit: K. Player: 2. Move from (23, 13) Move to (23,
INFO(Sun Mar 22 18:46:53 2020): Unit: K. Player: 1. Move from (21, 8) Move to (22,
INFO(Sun Mar 22 18:46:53 2020): Unit: K. Player: 1. Move from (22, 8) Move to (22,
9)
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: K. Player: 2. Move from (23, 14) Move to (22,
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: K. Player: 1. Move from (22, 9) Move to (23,
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: K. Player: 1. Move from (23, 9) Move to (23,
8)
                                 Unit: W. Player: 2. Attack to enemy unit: B. Player:
INFO(Sun Mar 22 18:46:53 2020):
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:53 2020):
                                 Unit: K. Player: 2. Move from (22, 14) Move to (21,
14)
INFO(Sun Mar 22 18:46:53 2020): Unit: K. Player: 1. Move from (23, 8) Move to (24,
INFO(Sun Mar 22 18:46:53 2020): Unit: K. Player: 1. Move from (24, 8) Move to (24,
INFO(Sun Mar 22 18:46:53 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:53 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:53 2020): Unit: K. Player: 2. Move from (21, 14) Move to (20,
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 1. Move from (24, 9) Move to (25,
9)
```

```
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 1. Move from (25, 9) Move to (25,
8)
INFO(Sun Mar 22 18:46:54 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:54 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 2. Move from (20, 14) Move to (19,
14)
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 1. Move from (25, 8) Move to (26,
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 1. Move from (26, 8) Move to (26,
9)
INFO(Sun Mar 22 18:46:54 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:54 2020):
                                 Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: K. Player: 2. Move from (19, 14) Move to (18,
14)
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:54 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 2. Move from (18, 14) Move to (17,
14)
INFO(Sun Mar 22 18:46:54 2020): Unit: W. Player: 2. Was create on position (2, 10)
INFO(Sun Mar 22 18:46:54 2020):
                                Player: 1. Unit was create
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: W. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:54 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:54 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:54 2020): Unit: K. Player: 2. Move from (17, 14) Move to (16,
14)
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:55 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:55 2020): Unit: W. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:55 2020): Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:55 2020): Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:55 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 2. Move from (16, 14) Move to (15,
14)
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:55 2020): Unit: B. Player: 2. Take damage: 7.500000
```

```
INFO(Sun Mar 22 18:46:55 2020): Unit: W. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 2. Move from (15, 14) Move to (14,
14)
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:

    Enemy position: (1, 9)

INFO(Sun Mar 22 18:46:55 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 2. Move from (14, 14) Move to (13,
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 2. Move from (13, 14) Move to (13,
13)
INFO(Sun Mar 22 18:46:55 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:55 2020):
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:55 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:56 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 2. Move from (13, 13) Move to (12,
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 2. Move from (12, 13) Move to (12,
12)
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: W. Player: 1. Attack to enemy unit: W. Player:
2. Enemy position: (2, 9)
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: W. Player: 2. Take damage: 8.000000
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: W. Player: 2. Attack to enemy unit: B. Player:
1. Enemy position: (1, 9)
INFO(Sun Mar 22 18:46:56 2020): Unit: B. Player: 1. Take damage: 5.000000
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 2. Move from (12, 12) Move to (11,
12)
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 2. Move from (11, 12) Move to (11,
INFO(Sun Mar 22 18:46:56 2020): Unit: W. Player: 2. Died on position (2, 9)
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:56 2020): Unit: B. Player: 2. Take damage: 7.500000
```

```
INFO(Sun Mar 22 18:46:56 2020): Unit: W. Player: 1. Move from (2, 10) Move to (3,
10)
INFO(Sun Mar 22 18:46:56 2020): Unit: W. Player: 1. Move from (3, 10) Move to (3, 9)
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 2. Move from (11, 11) Move to (10,
11)
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 2. Move from (10, 11) Move to (10,
10)
INFO(Sun Mar 22 18:46:56 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: W. Player: 1. Move from (3, 9) Move to (4, 9)
INFO(Sun Mar 22 18:46:56 2020):
                                Unit: K. Player: 2. Move from (10, 10) Move to (9,
10)
                                Unit: K. Player: 2. Move from (9, 10) Move to (9, 9)
INFO(Sun Mar 22 18:46:56 2020):
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:57 2020): Unit: B. Player: 2. Take damage: 7.500000
                                Unit: W. Player: 1. Move from (4, 9) Move to (5, 9)
INFO(Sun Mar 22 18:46:57 2020):
INFO(Sun Mar 22 18:46:57 2020): Unit: K. Player: 2. Attack to enemy unit: W. Player:
1. Enemy position: (5, 9)
INFO(Sun Mar 22 18:46:57 2020): Unit: W. Player: 1. Take damage: 12.000000
INFO(Sun Mar 22 18:46:57 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:57 2020): Unit: W. Player: 1. Move from (5, 9) Move to (6, 9)
INFO(Sun Mar 22 18:46:57 2020): Unit: K. Player: 2. Attack to enemy unit: W. Player:
1. Enemy position: (6, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: W. Player: 1. Take damage: 12.000000
INFO(Sun Mar 22 18:46:57 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:57 2020): Unit: W. Player: 1. Move from (6, 9) Move to (7, 9)
                                Unit: K. Player: 2. Attack to enemy unit: W. Player:
INFO(Sun Mar 22 18:46:57 2020):
1. Enemy position: (7, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: W. Player: 1. Take damage: 12.000000
INFO(Sun Mar 22 18:46:57 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: W. Player: 1. Move from (7, 9) Move to (8, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: K. Player: 2. Attack to enemy unit: W. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:57 2020):
                                Unit: W. Player: 1. Take damage: 12.000000
INFO(Sun Mar 22 18:46:58 2020):
                                Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:58 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:58 2020): Unit: W. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:58 2020): Unit: K. Player: 2. Take damage: 5.000000
INFO(Sun Mar 22 18:46:58 2020): Unit: K. Player: 2. Attack to enemy unit: W. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:58 2020): Unit: W. Player: 1. Take damage: 12.000000
```

```
INFO(Sun Mar 22 18:46:58 2020): Unit: K. Player: 1. Attack to enemy unit: B. Player:
2. Enemy position: (29, 9)
INFO(Sun Mar 22 18:46:58 2020): Unit: B. Player: 2. Take damage: 7.500000
INFO(Sun Mar 22 18:46:58 2020): Unit: W. Player: 1. Attack to enemy unit: K. Player:
2. Enemy position: (9, 9)
INFO(Sun Mar 22 18:46:58 2020): Unit: K. Player: 2. Take damage: 5.000000
INFO(Sun Mar 22 18:46:58 2020): Unit: K. Player: 2. Attack to enemy unit: W. Player:
1. Enemy position: (8, 9)
INFO(Sun Mar 22 18:46:58 2020): Unit: W. Player: 1. Take damage: 12.000000
INFO(Sun Mar 22 18:46:58 2020): GAME OVER. PLAYER WON!
```