

**ПРАВИТЕЛЬСТВО РОССИЙСКОЙ ФЕДЕРАЦИИ
НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ
«ВЫСШАЯ ШКОЛА ЭКОНОМИКИ»**

Факультет компьютерных наук
Образовательная программа бакалавриата «Программная инженерия»

Программа для симуляции задачи о картинной галерее

Пояснительная записка

Исполнитель
студент группы БПИ198
Малышенко А. М.

Москва 2020

Содержание

1. ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ.....	3
1.1 Постановка задачи на разработку программы.....	3
1.2 Описание алгоритма и функционирования программы.....	3
1.3 Формат входных данных.....	3
1.4 Формат выходных данных.....	3
СПИСОК ИСПОЛЬЗОВАННЫХ ИСТОЧНИКОВ.....	4
ПРИЛОЖЕНИЕ 1.....	5

1. ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

1.1 Постановка задачи на разработку программы

Разработать программу, в которой вахтер следит за тем, чтобы в картинной галерее было не более 50 посетителей. Для обозрения представлены 5 картин. Посетитель ходит от картины к картине, и если на картину любуются более чем десять посетителей, он стоит в стороне и ждет, пока число желающих увидеть картину не станет меньше. Посетитель может покинуть галерею. Создать многопоточное приложение, моделирующее работу картинной галереи.

1.2 Описание алгоритма и функционирования программы

Согласно принципам ООП созданы классы Client, Wathman(вахтер), Gallery, Picture. При запуске создаются клиенты, к ним передается команда начать в новых потоках идти в галерею. Клиент получает доступ(ссылку) к галерее через вахтера, в котором встроенный семафор не позволяет пустить в галерею более, чем 50 клиентов. Каждый клиент далее определяется сколько картин он захочет посмотреть и в цикле каждый раз пытается рассмотреть случайную картину. Картина представляет из себя контейнер для семафора. Клиент использует этот семафор, чтобы подойти к картине, когда там достаточно много свободного места, после чего он рассматривает картину 1 секунду и переходит к следующей картине. После всех операций, пользователь покидает галерею.

1.3 Формат входных данных

Входные данные отсутствуют

1.4 Формат выходных данных

В консоль выводится каждое действие клиента в процессе посещения им галереи.

СПИСОК ИСПОЛЬЗУЕМОЙ ЛИТЕРАТУРЫ

- SoftCraft: Учебно-методические материалы [Электронный ресурс] / softcraft.ru (дата обновления: 11.12.2020). - Электрон. текстовые дан. - Режим доступа: <http://softcraft.ru/edu/comparch/> (дата обращения: 11.12.2020)

ПРИЛОЖЕНИЕ 1

Тестирование программы.

Пример вывода программы.

```
>>>>Client 1 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 1
>>>>Client 6 is waiting for watchman's allow
>>>>Client 7 is waiting for watchman's allow
>>>>Client 8 is waiting for watchman's allow
>>>>Client 2 is waiting for watchman's allow
>>>>Client 10 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 8
>>>>Watchman allowed entrance for client 2
>>>>Watchman allowed entrance for client 7
      Client 7 is waiting for place around picture 0
      Client 7 started to watch on picture 0
>>>>Client 13 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 13
      Client 13 is waiting for place around picture 2
      Client 13 started to watch on picture 2
>>>>Client 14 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 14
      Client 14 is waiting for place around picture 2
      Client 14 started to watch on picture 2
>>>>Client 4 is waiting for watchman's allow
>>>>Client 3 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 10
>>>>Client 16 is waiting for watchman's allow
>>>>Client 15 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 15
      Client 15 is waiting for place around picture 3
      Client 15 started to watch on picture 3
      Client 1 is waiting for place around picture 1
      Client 1 started to watch on picture 1
      Client 2 is waiting for place around picture 0
>>>>Client 12 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 12
>>>>Client 5 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 5
      Client 5 is waiting for place around picture 2
>>>>Client 21 is waiting for watchman's allow
>>>>Client 9 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 4
      Client 4 is waiting for place around picture 1
      Client 4 started to watch on picture 1
>>>>Watchman allowed entrance for client 3
>>>>Client 18 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 18
      Client 3 is waiting for place around picture 2
      Client 3 started to watch on picture 2
>>>>Client 25 is waiting for watchman's allow
```

```

>>>Watchman allowed entrance for client 25
<<<Client left the gallery 25
>>>Client 26 is waiting for watchman's allow
>>>Watchman allowed entrance for client 26
    Client 26 is waiting for place around picture 3
    Client 26 started to watch on picture 3
    Client 8 is waiting for place around picture 1
    Client 8 started to watch on picture 1
    Client 5 started to watch on picture 2
>>>Watchman allowed entrance for client 21
    Client 21 is waiting for place around picture 0
    Client 21 started to watch on picture 0
<<<Client left the gallery 10
>>>Client 29 is waiting for watchman's allow
>>>Watchman allowed entrance for client 29
>>>Client 11 is waiting for watchman's allow
>>>Watchman allowed entrance for client 11
>>>Watchman allowed entrance for client 16
    Client 16 is waiting for place around picture 2
    Client 16 started to watch on picture 2
>>>Client 20 is waiting for watchman's allow
>>>Watchman allowed entrance for client 9
    Client 9 is waiting for place around picture 1
>>>Client 24 is waiting for watchman's allow
    Client 9 started to watch on picture 1
>>>Watchman allowed entrance for client 24
    Client 24 is waiting for place around picture 2
    Client 24 started to watch on picture 2
>>>Client 19 is waiting for watchman's allow
    Client 12 is waiting for place around picture 0
>>>Client 33 is waiting for watchman's allow
>>>Client 27 is waiting for watchman's allow
>>>Client 22 is waiting for watchman's allow
    Client 29 is waiting for place around picture 2
    Client 11 is waiting for place around picture 3
>>>Client 30 is waiting for watchman's allow
>>>Client 35 is waiting for watchman's allow
>>>Watchman allowed entrance for client 30
>>>Watchman allowed entrance for client 20
    Client 20 is waiting for place around picture 4
    Client 20 started to watch on picture 4
    Client 18 is waiting for place around picture 2
>>>Client 32 is waiting for watchman's allow
>>>Client 17 is waiting for watchman's allow
>>>Client 37 is waiting for watchman's allow
    Client 12 started to watch on picture 0
>>>Watchman allowed entrance for client 19
>>>Watchman allowed entrance for client 37
>>>Watchman allowed entrance for client 27
    Client 37 is waiting for place around picture 4
>>>Watchman allowed entrance for client 22
    Client 37 started to watch on picture 4

```

>>>Client 41 is waiting for watchman's allow
>>>Watchman allowed entrance for client 41
 Client 41 is waiting for place around picture 0
 Client 41 started to watch on picture 0
 Client 30 is waiting for place around picture 3
 Client 30 started to watch on picture 3
>>>Client 36 is waiting for watchman's allow
>>>Watchman allowed entrance for client 6
>>>Client 44 is waiting for watchman's allow
>>>Watchman allowed entrance for client 44
 Client 44 is waiting for place around picture 0
>>>Client 45 is waiting for watchman's allow
>>>Watchman allowed entrance for client 45
>>>Watchman allowed entrance for client 32
 Client 32 is waiting for place around picture 0
>>>Watchman allowed entrance for client 17
 Client 17 is waiting for place around picture 2
>>>Client 38 is waiting for watchman's allow
>>>Client 47 is waiting for watchman's allow
>>>Client 28 is waiting for watchman's allow
>>>Client 34 is waiting for watchman's allow
>>>Watchman allowed entrance for client 34
 Client 34 is waiting for place around picture 0
 Client 34 started to watch on picture 0
>>>Client 40 is waiting for watchman's allow
>>>Watchman allowed entrance for client 40
 Client 40 is waiting for place around picture 4
>>>Client 48 is waiting for watchman's allow
>>>Watchman allowed entrance for client 48
>>>Client 42 is waiting for watchman's allow
>>>Client 52 is waiting for watchman's allow
>>>Watchman allowed entrance for client 52
 Client 52 is waiting for place around picture 2
 Client 52 started to watch on picture 2
>>>Client 43 is waiting for watchman's allow
>>>Client 54 is waiting for watchman's allow
>>>Watchman allowed entrance for client 43
>>>Client 0 is waiting for watchman's allow
>>>Client 55 is waiting for watchman's allow
>>>Watchman allowed entrance for client 0
 Client 45 is waiting for place around picture 1
>>>Watchman allowed entrance for client 55
 Client 55 is waiting for place around picture 2
>>>Client 46 is waiting for watchman's allow
>>>Watchman allowed entrance for client 46
 Client 46 is waiting for place around picture 0
 Client 46 started to watch on picture 0
>>>Client 58 is waiting for watchman's allow
>>>Watchman allowed entrance for client 58
 Client 58 is waiting for place around picture 3
 Client 19 is waiting for place around picture 2
>>>Watchman allowed entrance for client 47

Client 47 is waiting for place around picture 3
 Client 47 started to watch on picture 3
 >>>Client 39 is waiting for watchman's allow
 >>>Client 59 is waiting for watchman's allow
 >>>Watchman allowed entrance for client 39
 Client 39 is waiting for place around picture 4
 >>>Client 49 is waiting for watchman's allow
 Client 22 is waiting for place around picture 1
 >>>Client 61 is waiting for watchman's allow
 Client 22 started to watch on picture 1
 Client 40 started to watch on picture 4
 >>>Client 62 is waiting for watchman's allow
 >>>Client 23 is waiting for watchman's allow
 >>>Client 63 is waiting for watchman's allow
 >>>Watchman allowed entrance for client 35
 Client 35 is waiting for place around picture 1
 Client 35 started to watch on picture 1
 >>>Client 51 is waiting for watchman's allow
 >>>Client 66 is waiting for watchman's allow
 >>>Watchman allowed entrance for client 36
 Client 36 is waiting for place around picture 4
 Client 36 started to watch on picture 4
 >>>Client 53 is waiting for watchman's allow
 Client 6 is waiting for place around picture 3
 Client 6 started to watch on picture 3
 Client 29 started to watch on picture 2
 >>>Watchman allowed entrance for client 54
 >>>Client 70 is waiting for watchman's allow
 Client 54 is waiting for place around picture 0
 Client 54 started to watch on picture 0
 Client 0 is waiting for place around picture 0
 Client 44 started to watch on picture 0
 Client 2 started to watch on picture 0
 Client 48 is waiting for place around picture 4
 >>>Client 74 is waiting for watchman's allow
 Client 45 started to watch on picture 1
 Client 32 started to watch on picture 0
 >>>Client 57 is waiting for watchman's allow
 Client 17 started to watch on picture 2
 >>>Client 56 is waiting for watchman's allow
 Client 58 started to watch on picture 3
 >>>Watchman allowed entrance for client 28
 >>>Client 79 is waiting for watchman's allow
 Client 27 is waiting for place around picture 0
 >>>Client 81 is waiting for watchman's allow
 Client 11 started to watch on picture 3
 >>>Client 60 is waiting for watchman's allow
 >>>Client 83 is waiting for watchman's allow
 >>>Client 50 is waiting for watchman's allow
 >>>Client 84 is waiting for watchman's allow
 >>>Client 64 is waiting for watchman's allow
 >>>Client 65 is waiting for watchman's allow


```

>>>>Watchman allowed entrance for client 42
      Client 42 is waiting for place around picture 2
>>>>Client 67 is waiting for watchman's allow
>>>>Client 88 is waiting for watchman's allow
>>>>Client 68 is waiting for watchman's allow
>>>>Client 69 is waiting for watchman's allow
>>>>Client 89 is waiting for watchman's allow
>>>>Client 72 is waiting for watchman's allow
>>>>Client 73 is waiting for watchman's allow
      Client 18 started to watch on picture 2
      Client 48 started to watch on picture 4
>>>>Client 92 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 38
>>>>Client 93 is waiting for watchman's allow
      Client 38 is waiting for place around picture 1
      Client 38 started to watch on picture 1
>>>>Client 78 is waiting for watchman's allow
>>>>Client 77 is waiting for watchman's allow
      Client 28 is waiting for place around picture 3
      Client 28 started to watch on picture 3
>>>>Watchman allowed entrance for client 59
>>>>Client 82 is waiting for watchman's allow
>>>>Client 80 is waiting for watchman's allow
>>>>Client 86 is waiting for watchman's allow
>>>>Client 31 is waiting for watchman's allow
>>>>Client 87 is waiting for watchman's allow
>>>>Client 75 is waiting for watchman's allow
      Client 43 is waiting for place around picture 0
>>>>Client 71 is waiting for watchman's allow
>>>>Client 90 is waiting for watchman's allow
>>>>Client 91 is waiting for watchman's allow
>>>>Client 76 is waiting for watchman's allow
>>>>Watchman allowed entrance for client 33
      Client 33 is waiting for place around picture 0
>>>>Client 95 is waiting for watchman's allow
>>>>Client 96 is waiting for watchman's allow
      Client 39 started to watch on picture 4
>>>>Client 97 is waiting for watchman's allow
>>>>Client 98 is waiting for watchman's allow
>>>>Client 85 is waiting for watchman's allow
      Client 59 is waiting for place around picture 4
      Client 59 started to watch on picture 4
>>>>Client 99 is waiting for watchman's allow
>>>>Client 94 is waiting for watchman's allow
      Client 7 ended to watch on picture 0
      Client 14 ended to watch on picture 2
      Client 21 ended to watch on picture 0
      Client 27 started to watch on picture 0
      Client 13 ended to watch on picture 2
      Client 3 ended to watch on picture 2
      Client 3 is waiting for place around picture 2
      Client 7 is waiting for place around picture 4

```

Client 43 started to watch on picture 0
 Client 30 ended to watch on picture 3
 Client 30 is waiting for place around picture 2
 Client 30 started to watch on picture 2
 Client 33 started to watch on picture 0
 Client 0 started to watch on picture 0
 Client 24 ended to watch on picture 2
 <<<Client left the gallery 24
 Client 34 ended to watch on picture 0
 Client 34 is waiting for place around picture 2
 Client 34 started to watch on picture 2
 Client 42 started to watch on picture 2
 Client 14 is waiting for place around picture 3
 Client 20 ended to watch on picture 4
 <<<Client left the gallery 20
 Client 21 is waiting for place around picture 2
 >>>Watchman allowed entrance for client 61
 Client 1 ended to watch on picture 1
 Client 19 started to watch on picture 2
 Client 37 ended to watch on picture 4
 Client 37 is waiting for place around picture 1
 Client 5 ended to watch on picture 2
 Client 5 is waiting for place around picture 0
 Client 5 started to watch on picture 0
 Client 7 started to watch on picture 4
 Client 4 ended to watch on picture 1
 Client 4 is waiting for place around picture 1
 Client 16 ended to watch on picture 2
 Client 16 is waiting for place around picture 1
 Client 16 started to watch on picture 1
 Client 55 started to watch on picture 2
 Client 26 ended to watch on picture 3
 Client 26 is waiting for place around picture 0
 Client 14 started to watch on picture 3
 Client 9 ended to watch on picture 1
 Client 9 is waiting for place around picture 4
 Client 36 ended to watch on picture 4
 Client 52 ended to watch on picture 2
 Client 21 started to watch on picture 2
 Client 52 is waiting for place around picture 4
 Client 1 is waiting for place around picture 1
 Client 1 started to watch on picture 1
 Client 37 started to watch on picture 1
 Client 54 ended to watch on picture 0
 Client 3 started to watch on picture 2
 Client 47 ended to watch on picture 3
 Client 40 ended to watch on picture 4
 Client 41 ended to watch on picture 0
 Client 4 started to watch on picture 1
 Client 22 ended to watch on picture 1
 Client 15 ended to watch on picture 3
 Client 8 ended to watch on picture 1

Client 8 is waiting for place around picture 1
 >>> Watchman allowed entrance for client 49
 Client 26 started to watch on picture 0
 Client 12 ended to watch on picture 0
 Client 9 started to watch on picture 4
 Client 36 is waiting for place around picture 4
 Client 36 started to watch on picture 4
 Client 52 started to watch on picture 4
 Client 13 is waiting for place around picture 1
 Client 13 started to watch on picture 1
 Client 58 ended to watch on picture 3
 Client 58 is waiting for place around picture 2
 Client 58 started to watch on picture 2
 Client 29 ended to watch on picture 2
 Client 29 is waiting for place around picture 2
 Client 29 started to watch on picture 2
 Client 11 ended to watch on picture 3
 Client 11 is waiting for place around picture 1
 Client 11 started to watch on picture 1
 Client 40 is waiting for place around picture 1
 Client 40 started to watch on picture 1
 <<< Client left the gallery 41
 Client 54 is waiting for place around picture 0
 Client 45 ended to watch on picture 1
 Client 45 is waiting for place around picture 2
 Client 22 is waiting for place around picture 2
 Client 2 ended to watch on picture 0
 Client 2 is waiting for place around picture 3
 Client 35 ended to watch on picture 1
 Client 35 is waiting for place around picture 1
 Client 35 started to watch on picture 1
 Client 49 is waiting for place around picture 0
 Client 49 started to watch on picture 0
 Client 18 ended to watch on picture 2
 Client 18 is waiting for place around picture 0
 Client 18 started to watch on picture 0
 Client 48 ended to watch on picture 4
 Client 48 is waiting for place around picture 1
 Client 32 ended to watch on picture 0
 Client 32 is waiting for place around picture 3
 Client 32 started to watch on picture 3
 Client 48 started to watch on picture 1
 Client 28 ended to watch on picture 3
 Client 28 is waiting for place around picture 4
 Client 28 started to watch on picture 4
 Client 54 started to watch on picture 0
 Client 44 ended to watch on picture 0
 Client 44 is waiting for place around picture 4
 Client 44 started to watch on picture 4
 Client 15 is waiting for place around picture 2
 Client 2 started to watch on picture 3
 Client 8 started to watch on picture 1

Client 12 is waiting for place around picture 4
 Client 12 started to watch on picture 4
 Client 17 ended to watch on picture 2
 Client 17 is waiting for place around picture 3
 Client 17 started to watch on picture 3
 Client 45 started to watch on picture 2
 Client 61 is waiting for place around picture 2
 Client 38 ended to watch on picture 1
 Client 38 is waiting for place around picture 1
 Client 46 ended to watch on picture 0
 Client 46 is waiting for place around picture 2
 Client 6 ended to watch on picture 3
 Client 6 is waiting for place around picture 4
 Client 6 started to watch on picture 4
 Client 47 is waiting for place around picture 4
 >>>Watchman allowed entrance for client 62
 Client 62 is waiting for place around picture 4
 Client 39 ended to watch on picture 4
 Client 39 is waiting for place around picture 0
 Client 47 started to watch on picture 4
 Client 59 ended to watch on picture 4
 Client 59 is waiting for place around picture 3
 Client 59 started to watch on picture 3
 Client 39 started to watch on picture 0
 Client 62 started to watch on picture 4
 Client 27 ended to watch on picture 0
 Client 27 is waiting for place around picture 3
 Client 27 started to watch on picture 3
 Client 43 ended to watch on picture 0
 Client 43 is waiting for place around picture 0
 Client 0 ended to watch on picture 0
 Client 33 ended to watch on picture 0
 Client 33 is waiting for place around picture 4
 Client 43 started to watch on picture 0
 Client 30 ended to watch on picture 2
 Client 30 is waiting for place around picture 1
 Client 22 started to watch on picture 2
 Client 42 ended to watch on picture 2
 Client 46 started to watch on picture 2
 Client 0 is waiting for place around picture 0
 Client 15 started to watch on picture 2
 Client 7 ended to watch on picture 4
 Client 19 ended to watch on picture 2
 Client 19 is waiting for place around picture 0
 Client 19 started to watch on picture 0
 Client 0 started to watch on picture 0
 Client 14 ended to watch on picture 3
 <<<Client left the gallery 14
 Client 33 started to watch on picture 4
 >>>Watchman allowed entrance for client 23
 Client 23 is waiting for place around picture 1
 Client 34 ended to watch on picture 2

Client 34 is waiting for place around picture 1
 Client 21 ended to watch on picture 2
 Client 21 is waiting for place around picture 0
 Client 21 started to watch on picture 0
 Client 1 ended to watch on picture 1
 Client 1 is waiting for place around picture 4
 Client 38 started to watch on picture 1
 Client 3 ended to watch on picture 2
 Client 3 is waiting for place around picture 3
 Client 3 started to watch on picture 3
 Client 42 is waiting for place around picture 3
 Client 42 started to watch on picture 3
 Client 61 started to watch on picture 2
 Client 4 ended to watch on picture 1
 Client 16 ended to watch on picture 1
 Client 5 ended to watch on picture 0
 Client 5 is waiting for place around picture 1
 Client 5 started to watch on picture 1
 Client 26 ended to watch on picture 0
 <<<Client left the gallery 26
 Client 13 ended to watch on picture 1
 Client 13 is waiting for place around picture 0
 Client 13 started to watch on picture 0
 Client 16 is waiting for place around picture 3
 Client 16 started to watch on picture 3
 Client 55 ended to watch on picture 2
 Client 34 started to watch on picture 1
 Client 11 ended to watch on picture 1
 <<<Client left the gallery 11
 Client 36 ended to watch on picture 4
 >>>Watchman allowed entrance for client 51
 >>>Watchman allowed entrance for client 63
 Client 37 ended to watch on picture 1
 Client 37 is waiting for place around picture 2
 Client 1 started to watch on picture 4
 Client 23 started to watch on picture 1
 Client 29 ended to watch on picture 2
 Client 29 is waiting for place around picture 1
 Client 29 started to watch on picture 1
 Client 49 ended to watch on picture 0
 <<<Client left the gallery 49
 Client 4 is waiting for place around picture 4
 Client 4 started to watch on picture 4
 >>>Watchman allowed entrance for client 66
 Client 66 is waiting for place around picture 1
 Client 66 started to watch on picture 1
 Client 55 is waiting for place around picture 3
 Client 55 started to watch on picture 3
 Client 7 is waiting for place around picture 3
 Client 48 ended to watch on picture 1
 Client 30 started to watch on picture 1
 Client 40 ended to watch on picture 1

Client 40 is waiting for place around picture 0
 Client 40 started to watch on picture 0
 Client 63 is waiting for place around picture 4
 Client 58 ended to watch on picture 2
 Client 58 is waiting for place around picture 4
 Client 58 started to watch on picture 4
 Client 18 ended to watch on picture 0
 Client 18 is waiting for place around picture 1
 Client 18 started to watch on picture 1
 Client 2 ended to watch on picture 3
 Client 2 is waiting for place around picture 2
 Client 2 started to watch on picture 2
 Client 48 is waiting for place around picture 2
 Client 48 started to watch on picture 2
 Client 36 is waiting for place around picture 0
 Client 36 started to watch on picture 0
 Client 51 is waiting for place around picture 4
 Client 63 started to watch on picture 4
 Client 28 ended to watch on picture 4
 Client 17 ended to watch on picture 3
 Client 37 started to watch on picture 2
 Client 45 ended to watch on picture 2
 Client 45 is waiting for place around picture 3
 Client 45 started to watch on picture 3
 Client 54 ended to watch on picture 0
 <<<Client left the gallery 54
 Client 44 ended to watch on picture 4
 <<<Client left the gallery 44
 >>>Watchman allowed entrance for client 53
 Client 53 is waiting for place around picture 2
 Client 53 started to watch on picture 2
 Client 9 ended to watch on picture 4
 Client 52 ended to watch on picture 4
 Client 8 ended to watch on picture 1
 Client 12 ended to watch on picture 4
 Client 51 started to watch on picture 4
 Client 28 is waiting for place around picture 1
 Client 28 started to watch on picture 1
 Client 35 ended to watch on picture 1
 Client 35 is waiting for place around picture 4
 Client 35 started to watch on picture 4
 Client 7 started to watch on picture 3
 >>>Watchman allowed entrance for client 70
 Client 70 is waiting for place around picture 0
 Client 70 started to watch on picture 0
 Client 9 is waiting for place around picture 4
 Client 9 started to watch on picture 4
 Client 6 ended to watch on picture 4
 Client 8 is waiting for place around picture 3
 Client 8 started to watch on picture 3
 Client 12 is waiting for place around picture 0
 Client 39 ended to watch on picture 0

Client 12 started to watch on picture 0
 Client 39 is waiting for place around picture 3
 Client 39 started to watch on picture 3
 Client 47 ended to watch on picture 4
 Client 47 is waiting for place around picture 3
 Client 47 started to watch on picture 3
 Client 62 ended to watch on picture 4
 Client 32 ended to watch on picture 3
 Client 52 is waiting for place around picture 1
 Client 6 is waiting for place around picture 3
 Client 62 is waiting for place around picture 3
 Client 59 ended to watch on picture 3
 Client 59 is waiting for place around picture 3
 Client 17 is waiting for place around picture 2
 Client 17 started to watch on picture 2
 Client 32 is waiting for place around picture 1
 Client 52 started to watch on picture 1
 Client 27 ended to watch on picture 3
 Client 27 is waiting for place around picture 4
 Client 27 started to watch on picture 4
 Client 6 started to watch on picture 3
 Client 43 ended to watch on picture 0
 Client 43 is waiting for place around picture 1
 Client 15 ended to watch on picture 2
 Client 15 is waiting for place around picture 4
 Client 15 started to watch on picture 4
 Client 22 ended to watch on picture 2
 Client 22 is waiting for place around picture 3
 Client 46 ended to watch on picture 2
 Client 46 is waiting for place around picture 3
 Client 19 ended to watch on picture 0
 Client 19 is waiting for place around picture 3
 Client 0 ended to watch on picture 0
 <<<Client left the gallery 0
 Client 33 ended to watch on picture 4
 Client 33 is waiting for place around picture 3
 >>>Watchman allowed entrance for client 74
 Client 74 is waiting for place around picture 0
 Client 74 started to watch on picture 0
 Client 21 ended to watch on picture 0
 Client 21 is waiting for place around picture 4
 Client 21 started to watch on picture 4
 Client 38 ended to watch on picture 1
 Client 38 is waiting for place around picture 3
 Client 32 started to watch on picture 1
 Client 62 started to watch on picture 3
 Client 3 ended to watch on picture 3
 Client 3 is waiting for place around picture 3
 Client 3 started to watch on picture 3
 Client 5 ended to watch on picture 1
 Client 43 started to watch on picture 1
 Client 42 ended to watch on picture 3

Client 42 is waiting for place around picture 4
Client 5 is waiting for place around picture 3
Client 61 ended to watch on picture 2
Client 34 ended to watch on picture 1
Client 34 is waiting for place around picture 2
Client 34 started to watch on picture 2
Client 16 ended to watch on picture 3
Client 16 is waiting for place around picture 1
Client 16 started to watch on picture 1
Client 61 is waiting for place around picture 2
Client 61 started to watch on picture 2
Client 42 started to watch on picture 4
Client 4 ended to watch on picture 4
Client 4 is waiting for place around picture 4
Client 66 ended to watch on picture 1
Client 66 is waiting for place around picture 3
Client 66 started to watch on picture 3
Client 22 started to watch on picture 3
Client 30 ended to watch on picture 1
Client 30 is waiting for place around picture 0
Client 30 started to watch on picture 0
Client 40 ended to watch on picture 0
Client 40 is waiting for place around picture 3
Client 58 ended to watch on picture 4
Client 58 is waiting for place around picture 0
Client 58 started to watch on picture 0
Client 63 ended to watch on picture 4
Client 63 is waiting for place around picture 4
Client 18 ended to watch on picture 1
Client 18 is waiting for place around picture 2
Client 18 started to watch on picture 2
Client 37 ended to watch on picture 2
Client 37 is waiting for place around picture 0
Client 37 started to watch on picture 0
Client 45 ended to watch on picture 3
Client 1 ended to watch on picture 4
Client 19 started to watch on picture 3
Client 53 ended to watch on picture 2
Client 53 is waiting for place around picture 0
Client 7 ended to watch on picture 3
Client 36 ended to watch on picture 0
Client 36 is waiting for place around picture 0
Client 36 started to watch on picture 0
Client 63 started to watch on picture 4
Client 70 ended to watch on picture 0
Client 70 is waiting for place around picture 4
Client 45 is waiting for place around picture 4
Client 13 ended to watch on picture 0
Client 29 ended to watch on picture 1
Client 29 is waiting for place around picture 1
Client 29 started to watch on picture 1
Client 48 ended to watch on picture 2

Client 39 ended to watch on picture 3
 Client 48 is waiting for place around picture 4
 Client 48 started to watch on picture 4
 Client 53 started to watch on picture 0
 Client 33 started to watch on picture 3
 Client 17 ended to watch on picture 2
 Client 17 is waiting for place around picture 2
 <<<Client left the gallery 7
 Client 52 ended to watch on picture 1
 <<<Client left the gallery 52
 >>>Watchman allowed entrance for client 56
 Client 56 is waiting for place around picture 2
 Client 56 started to watch on picture 2
 Client 9 ended to watch on picture 4
 <<<Client left the gallery 9
 >>>Watchman allowed entrance for client 81
 Client 81 is waiting for place around picture 0
 Client 81 started to watch on picture 0
 Client 70 started to watch on picture 4
 Client 55 ended to watch on picture 3
 Client 55 is waiting for place around picture 4
 Client 55 started to watch on picture 4
 Client 8 ended to watch on picture 3
 Client 8 is waiting for place around picture 3
 Client 38 started to watch on picture 3
 Client 13 is waiting for place around picture 4
 Client 12 ended to watch on picture 0
 Client 12 is waiting for place around picture 1
 Client 12 started to watch on picture 1
 <<<Client left the gallery 1
 Client 45 started to watch on picture 4
 Client 47 ended to watch on picture 3
 Client 47 is waiting for place around picture 2
 Client 47 started to watch on picture 2
 Client 35 ended to watch on picture 4
 <<<Client left the gallery 35
 Client 59 started to watch on picture 3
 Client 5 started to watch on picture 3
 >>>Watchman allowed entrance for client 60
 Client 60 is waiting for place around picture 4
 Client 28 ended to watch on picture 1
 Client 28 is waiting for place around picture 3
 Client 2 ended to watch on picture 2
 Client 2 is waiting for place around picture 1
 Client 2 started to watch on picture 1
 Client 23 ended to watch on picture 1
 Client 23 is waiting for place around picture 3
 Client 17 started to watch on picture 2
 Client 4 started to watch on picture 4
 >>>Watchman allowed entrance for client 57
 <<<Client left the gallery 57
 >>>Watchman allowed entrance for client 83

Client 83 is waiting for place around picture 1
 Client 83 started to watch on picture 1
 Client 51 ended to watch on picture 4
 Client 51 is waiting for place around picture 0
 Client 51 started to watch on picture 0
 Client 39 is waiting for place around picture 2
 Client 39 started to watch on picture 2
 >>>Watchman allowed entrance for client 79
 Client 79 is waiting for place around picture 1
 Client 79 started to watch on picture 1
 Client 27 ended to watch on picture 4
 Client 27 is waiting for place around picture 1
 Client 27 started to watch on picture 1
 Client 13 started to watch on picture 4
 Client 46 started to watch on picture 3
 Client 6 ended to watch on picture 3
 Client 6 is waiting for place around picture 0
 Client 6 started to watch on picture 0
 Client 15 ended to watch on picture 4
 Client 15 is waiting for place around picture 3
 Client 60 started to watch on picture 4
 Client 74 ended to watch on picture 0
 Client 74 is waiting for place around picture 0
 Client 74 started to watch on picture 0
 Client 21 ended to watch on picture 4
 Client 21 is waiting for place around picture 0
 Client 21 started to watch on picture 0
 Client 32 ended to watch on picture 1
 Client 32 is waiting for place around picture 1
 Client 32 started to watch on picture 1
 Client 62 ended to watch on picture 3
 Client 62 is waiting for place around picture 4
 Client 40 started to watch on picture 3
 Client 43 ended to watch on picture 1
 Client 43 is waiting for place around picture 1
 Client 43 started to watch on picture 1
 Client 62 started to watch on picture 4
 Client 8 started to watch on picture 3
 Client 3 ended to watch on picture 3
 Client 3 is waiting for place around picture 2
 Client 3 started to watch on picture 2
 Client 34 ended to watch on picture 2
 Client 34 is waiting for place around picture 0
 Client 16 ended to watch on picture 1
 Client 16 is waiting for place around picture 3
 Client 61 ended to watch on picture 2
 <<<Client left the gallery 61
 >>>Watchman allowed entrance for client 50
 Client 50 is waiting for place around picture 2
 Client 50 started to watch on picture 2
 Client 42 ended to watch on picture 4
 Client 42 is waiting for place around picture 3

Client 66 ended to watch on picture 3
 Client 66 is waiting for place around picture 4
 Client 28 started to watch on picture 3
 Client 66 started to watch on picture 4
 Client 23 started to watch on picture 3
 Client 30 ended to watch on picture 0
 Client 34 started to watch on picture 0
 Client 30 is waiting for place around picture 2
 Client 30 started to watch on picture 2
 Client 22 ended to watch on picture 3
 <<<Client left the gallery 22
 >>>Watchman allowed entrance for client 84
 Client 84 is waiting for place around picture 4
 Client 58 ended to watch on picture 0
 Client 58 is waiting for place around picture 0
 Client 58 started to watch on picture 0
 Client 18 ended to watch on picture 2
 Client 18 is waiting for place around picture 1
 Client 18 started to watch on picture 1
 Client 37 ended to watch on picture 0
 Client 37 is waiting for place around picture 2
 Client 37 started to watch on picture 2
 Client 19 ended to watch on picture 3
 Client 19 is waiting for place around picture 4
 Client 15 started to watch on picture 3
 Client 36 ended to watch on picture 0
 <<<Client left the gallery 36
 >>>Watchman allowed entrance for client 64
 Client 64 is waiting for place around picture 0
 Client 64 started to watch on picture 0
 Client 63 ended to watch on picture 4
 Client 84 started to watch on picture 4
 Client 63 is waiting for place around picture 3
 Client 29 ended to watch on picture 1
 Client 29 is waiting for place around picture 1
 Client 29 started to watch on picture 1
 Client 48 ended to watch on picture 4
 <<<Client left the gallery 48
 Client 19 started to watch on picture 4
 Client 53 ended to watch on picture 0
 Client 53 is waiting for place around picture 3
 >>>Watchman allowed entrance for client 65
 Client 65 is waiting for place around picture 1
 Client 65 started to watch on picture 1
 Client 33 ended to watch on picture 3
 Client 16 started to watch on picture 3
 Client 33 is waiting for place around picture 0
 Client 56 ended to watch on picture 2
 Client 56 is waiting for place around picture 3
 Client 33 started to watch on picture 0
 Client 70 ended to watch on picture 4
 Client 70 is waiting for place around picture 4

Client 81 ended to watch on picture 0
 Client 81 is waiting for place around picture 0
 Client 81 started to watch on picture 0
 Client 70 started to watch on picture 4
 Client 55 ended to watch on picture 4
 Client 55 is waiting for place around picture 3
 Client 38 ended to watch on picture 3
 Client 38 is waiting for place around picture 4
 Client 38 started to watch on picture 4
 Client 42 started to watch on picture 3
 Client 12 ended to watch on picture 1
 Client 12 is waiting for place around picture 1
 Client 12 started to watch on picture 1
 Client 45 ended to watch on picture 4
 Client 45 is waiting for place around picture 4
 Client 45 started to watch on picture 4
 Client 47 ended to watch on picture 2
 Client 47 is waiting for place around picture 1
 Client 59 ended to watch on picture 3
 Client 59 is waiting for place around picture 4
 Client 63 started to watch on picture 3
 Client 5 ended to watch on picture 3
 Client 5 is waiting for place around picture 3
 Client 5 started to watch on picture 3
 Client 2 ended to watch on picture 1
 Client 2 is waiting for place around picture 3
 Client 47 started to watch on picture 1
 Client 17 ended to watch on picture 2
 <<<Client left the gallery 17
 >>>Watchman allowed entrance for client 67
 Client 67 is waiting for place around picture 0
 Client 67 started to watch on picture 0
 Client 4 ended to watch on picture 4
 Client 4 is waiting for place around picture 0
 Client 59 started to watch on picture 4
 Client 83 ended to watch on picture 1
 Client 83 is waiting for place around picture 1
 Client 83 started to watch on picture 1
 Client 51 ended to watch on picture 0
 Client 51 is waiting for place around picture 1
 Client 4 started to watch on picture 0
 Client 39 ended to watch on picture 2
 Client 39 is waiting for place around picture 4
 Client 79 ended to watch on picture 1
 Client 79 is waiting for place around picture 0
 Client 51 started to watch on picture 1
 Client 27 ended to watch on picture 1
 Client 27 is waiting for place around picture 0
 Client 13 ended to watch on picture 4
 Client 39 started to watch on picture 4
 Client 46 ended to watch on picture 3
 <<<Client left the gallery 46

Client 79 started to watch on picture 0
 >>>Watchman allowed entrance for client 88
 Client 88 is waiting for place around picture 2
 Client 88 started to watch on picture 2
 Client 13 is waiting for place around picture 4
 Client 6 ended to watch on picture 0
 Client 6 is waiting for place around picture 1
 Client 6 started to watch on picture 1
 Client 60 ended to watch on picture 4
 Client 13 started to watch on picture 4
 Client 74 ended to watch on picture 0
 Client 74 is waiting for place around picture 0
 Client 27 started to watch on picture 0
 Client 56 started to watch on picture 3
 Client 60 is waiting for place around picture 2
 Client 60 started to watch on picture 2
 Client 21 ended to watch on picture 0
 Client 74 started to watch on picture 0
 Client 21 is waiting for place around picture 1
 Client 32 ended to watch on picture 1
 Client 32 is waiting for place around picture 4
 Client 21 started to watch on picture 1
 Client 40 ended to watch on picture 3
 Client 40 is waiting for place around picture 3
 Client 55 started to watch on picture 3
 Client 43 ended to watch on picture 1
 <<<Client left the gallery 43
 Client 32 started to watch on picture 4
 Client 62 ended to watch on picture 4
 Client 8 ended to watch on picture 3
 Client 53 started to watch on picture 3
 Client 3 ended to watch on picture 2
 Client 3 is waiting for place around picture 2
 Client 3 started to watch on picture 2
 >>>Watchman allowed entrance for client 68
 Client 68 is waiting for place around picture 2
 Client 68 started to watch on picture 2
 Client 8 is waiting for place around picture 2
 Client 8 started to watch on picture 2
 <<<Client left the gallery 62
 >>>Watchman allowed entrance for client 69
 Client 69 is waiting for place around picture 4
 Client 50 ended to watch on picture 2
 Client 50 is waiting for place around picture 1
 Client 50 started to watch on picture 1
 Client 28 ended to watch on picture 3
 Client 28 is waiting for place around picture 0
 Client 66 ended to watch on picture 4
 Client 69 started to watch on picture 4
 Client 40 started to watch on picture 3
 Client 34 ended to watch on picture 0
 Client 30 ended to watch on picture 2

Client 2 started to watch on picture 3
 Client 28 started to watch on picture 0
 Client 23 ended to watch on picture 3
 <<<Client left the gallery 66
 Client 30 is waiting for place around picture 2
 >>>Watchman allowed entrance for client 89
 Client 89 is waiting for place around picture 3
 Client 34 is waiting for place around picture 2
 Client 34 started to watch on picture 2
 Client 30 started to watch on picture 2
 Client 23 is waiting for place around picture 1
 Client 58 ended to watch on picture 0
 Client 58 is waiting for place around picture 2
 Client 58 started to watch on picture 2
 Client 18 ended to watch on picture 1
 Client 18 is waiting for place around picture 1
 Client 18 started to watch on picture 1
 Client 37 ended to watch on picture 2
 Client 37 is waiting for place around picture 0
 Client 37 started to watch on picture 0
 Client 15 ended to watch on picture 3
 Client 15 is waiting for place around picture 4
 Client 89 started to watch on picture 3
 Client 64 ended to watch on picture 0
 Client 64 is waiting for place around picture 4
 Client 84 ended to watch on picture 4
 Client 84 is waiting for place around picture 1
 Client 15 started to watch on picture 4
 Client 29 ended to watch on picture 1
 Client 29 is waiting for place around picture 4
 Client 23 started to watch on picture 1
 Client 19 ended to watch on picture 4
 <<<Client left the gallery 19
 Client 64 started to watch on picture 4
 >>>Watchman allowed entrance for client 72
 Client 72 is waiting for place around picture 1
 Client 16 ended to watch on picture 3
 Client 16 is waiting for place around picture 0
 Client 16 started to watch on picture 0
 Client 65 ended to watch on picture 1
 <<<Client left the gallery 65
 Client 84 started to watch on picture 1
 >>>Watchman allowed entrance for client 73
 Client 73 is waiting for place around picture 0
 Client 73 started to watch on picture 0
 Client 33 ended to watch on picture 0
 Client 33 is waiting for place around picture 3
 Client 33 started to watch on picture 3
 Client 81 ended to watch on picture 0
 Client 81 is waiting for place around picture 2
 Client 81 started to watch on picture 2
 Client 70 ended to watch on picture 4

Client 70 is waiting for place around picture 0
 Client 70 started to watch on picture 0
 Client 29 started to watch on picture 4
 Client 38 ended to watch on picture 4
 Client 38 is waiting for place around picture 4
 Client 38 started to watch on picture 4
 Client 42 ended to watch on picture 3
 Client 42 is waiting for place around picture 3
 Client 42 started to watch on picture 3
 Client 12 ended to watch on picture 1
 Client 12 is waiting for place around picture 0
 Client 72 started to watch on picture 1
 Client 45 ended to watch on picture 4
 Client 45 is waiting for place around picture 4
 Client 45 started to watch on picture 4
 Client 63 ended to watch on picture 3
 Client 63 is waiting for place around picture 2
 Client 63 started to watch on picture 2
 Client 5 ended to watch on picture 3
 Client 5 is waiting for place around picture 4
 Client 47 ended to watch on picture 1
 Client 47 is waiting for place around picture 1
 Client 47 started to watch on picture 1
 Client 67 ended to watch on picture 0
 Client 67 is waiting for place around picture 1
 Client 12 started to watch on picture 0
 Client 59 ended to watch on picture 4
 <<<Client left the gallery 59
 Client 83 ended to watch on picture 1
 <<<Client left the gallery 83
 Client 67 started to watch on picture 1
 Client 5 started to watch on picture 4
 >>>Watchman allowed entrance for client 92
 <<<Client left the gallery 92
 >>>Watchman allowed entrance for client 93
 Client 93 is waiting for place around picture 2
 >>>Watchman allowed entrance for client 78
 Client 78 is waiting for place around picture 2
 Client 51 ended to watch on picture 1
 Client 51 is waiting for place around picture 0
 Client 51 started to watch on picture 0
 Client 4 ended to watch on picture 0
 Client 4 is waiting for place around picture 0
 Client 39 ended to watch on picture 4
 Client 4 started to watch on picture 0
 Client 39 is waiting for place around picture 0
 Client 88 ended to watch on picture 2
 Client 27 ended to watch on picture 0
 Client 56 ended to watch on picture 3
 Client 78 started to watch on picture 2
 Client 60 ended to watch on picture 2
 Client 60 is waiting for place around picture 0

Client 21 ended to watch on picture 1
 Client 60 started to watch on picture 0
 Client 74 ended to watch on picture 0
 Client 74 is waiting for place around picture 3
 Client 74 started to watch on picture 3
 Client 55 ended to watch on picture 3
 <<<Client left the gallery 55
 Client 39 started to watch on picture 0
 Client 56 is waiting for place around picture 4
 Client 56 started to watch on picture 4
 Client 32 ended to watch on picture 4
 <<<Client left the gallery 32
 Client 93 started to watch on picture 2
 >>>Watchman allowed entrance for client 82
 Client 3 ended to watch on picture 2
 Client 3 is waiting for place around picture 0
 Client 79 ended to watch on picture 0
 Client 79 is waiting for place around picture 4
 Client 79 started to watch on picture 4
 Client 6 ended to watch on picture 1
 >>>Watchman allowed entrance for client 77
 Client 77 is waiting for place around picture 1
 Client 77 started to watch on picture 1
 Client 53 ended to watch on picture 3
 Client 53 is waiting for place around picture 4
 Client 53 started to watch on picture 4
 Client 88 is waiting for place around picture 2
 Client 88 started to watch on picture 2
 Client 68 ended to watch on picture 2
 Client 68 is waiting for place around picture 1
 Client 68 started to watch on picture 1
 <<<Client left the gallery 27
 Client 6 is waiting for place around picture 0
 Client 13 ended to watch on picture 4
 Client 13 is waiting for place around picture 2
 Client 13 started to watch on picture 2
 Client 21 is waiting for place around picture 2
 Client 21 started to watch on picture 2
 Client 82 is waiting for place around picture 3
 Client 82 started to watch on picture 3
 Client 50 ended to watch on picture 1
 Client 8 ended to watch on picture 2
 Client 8 is waiting for place around picture 4
 Client 50 is waiting for place around picture 0
 >>>Watchman allowed entrance for client 80
 Client 80 is waiting for place around picture 4
 Client 28 ended to watch on picture 0
 Client 28 is waiting for place around picture 4
 Client 69 ended to watch on picture 4
 Client 40 ended to watch on picture 3
 Client 3 started to watch on picture 0
 Client 2 ended to watch on picture 3

Client 2 is waiting for place around picture 0
 Client 28 started to watch on picture 4
 Client 34 ended to watch on picture 2
 <<<Client left the gallery 34
 Client 40 is waiting for place around picture 1
 Client 69 is waiting for place around picture 3
 Client 69 started to watch on picture 3
 Client 58 ended to watch on picture 2
 >>>Watchman allowed entrance for client 86
 <<<Client left the gallery 86
 Client 30 ended to watch on picture 2
 Client 30 is waiting for place around picture 2
 Client 58 is waiting for place around picture 0
 Client 37 ended to watch on picture 0
 Client 37 is waiting for place around picture 4
 Client 6 started to watch on picture 0
 Client 18 ended to watch on picture 1
 >>>Watchman allowed entrance for client 31
 Client 31 is waiting for place around picture 0
 Client 30 started to watch on picture 2
 Client 40 started to watch on picture 1
 Client 18 is waiting for place around picture 4
 Client 89 ended to watch on picture 3
 <<<Client left the gallery 89
 >>>Watchman allowed entrance for client 87
 Client 87 is waiting for place around picture 2
 Client 87 started to watch on picture 2
 Client 15 ended to watch on picture 4
 Client 15 is waiting for place around picture 4
 Client 80 started to watch on picture 4
 Client 23 ended to watch on picture 1
 Client 23 is waiting for place around picture 3
 Client 23 started to watch on picture 3
 Client 64 ended to watch on picture 4
 Client 64 is waiting for place around picture 1
 Client 64 started to watch on picture 1
 Client 8 started to watch on picture 4
 Client 16 ended to watch on picture 0
 Client 16 is waiting for place around picture 4
 Client 50 started to watch on picture 0
 Client 84 ended to watch on picture 1
 <<<Client left the gallery 84
 >>>Watchman allowed entrance for client 75
 Client 33 ended to watch on picture 3
 Client 73 ended to watch on picture 0
 Client 73 is waiting for place around picture 4
 Client 70 ended to watch on picture 0
 Client 70 is waiting for place around picture 2
 Client 70 started to watch on picture 2
 Client 29 ended to watch on picture 4
 Client 2 started to watch on picture 0
 Client 81 ended to watch on picture 2

Client 81 is waiting for place around picture 1
 Client 75 is waiting for place around picture 4
 <<<Client left the gallery 33
 Client 81 started to watch on picture 1
 >>>Watchman allowed entrance for client 71
 Client 29 is waiting for place around picture 2
 Client 29 started to watch on picture 2
 Client 38 ended to watch on picture 4
 Client 38 is waiting for place around picture 2
 Client 72 ended to watch on picture 1
 Client 72 is waiting for place around picture 3
 Client 72 started to watch on picture 3
 Client 58 started to watch on picture 0
 Client 15 started to watch on picture 4
 Client 42 ended to watch on picture 3
 Client 42 is waiting for place around picture 3
 Client 42 started to watch on picture 3
 Client 71 is waiting for place around picture 1
 Client 71 started to watch on picture 1
 Client 45 ended to watch on picture 4
 <<<Client left the gallery 45
 Client 18 started to watch on picture 4
 Client 63 ended to watch on picture 2
 <<<Client left the gallery 63
 Client 38 started to watch on picture 2
 >>>Watchman allowed entrance for client 90
 Client 90 is waiting for place around picture 2
 Client 37 started to watch on picture 4
 >>>Watchman allowed entrance for client 91
 Client 91 is waiting for place around picture 3
 Client 91 started to watch on picture 3
 Client 47 ended to watch on picture 1
 <<<Client left the gallery 47
 >>>Watchman allowed entrance for client 76
 Client 76 is waiting for place around picture 1
 Client 76 started to watch on picture 1
 Client 12 ended to watch on picture 0
 <<<Client left the gallery 12
 >>>Watchman allowed entrance for client 95
 Client 95 is waiting for place around picture 3
 Client 95 started to watch on picture 3
 Client 67 ended to watch on picture 1
 Client 67 is waiting for place around picture 3
 Client 67 started to watch on picture 3
 Client 31 started to watch on picture 0
 Client 5 ended to watch on picture 4
 <<<Client left the gallery 5
 Client 16 started to watch on picture 4
 >>>Watchman allowed entrance for client 97
 Client 97 is waiting for place around picture 3
 Client 97 started to watch on picture 3
 Client 51 ended to watch on picture 0

```

<<<Client left the gallery 51
>>>Watchman allowed entrance for client 98
    Client 98 is waiting for place around picture 3
    Client 4 ended to watch on picture 0
<<<Client left the gallery 4
    Client 78 ended to watch on picture 2
    Client 78 is waiting for place around picture 0
    Client 78 started to watch on picture 0
    Client 90 started to watch on picture 2
    Client 60 ended to watch on picture 0
>>>Watchman allowed entrance for client 85
    Client 39 ended to watch on picture 0
    Client 98 started to watch on picture 3
    Client 74 ended to watch on picture 3
    Client 74 is waiting for place around picture 4
    Client 60 is waiting for place around picture 1
    Client 60 started to watch on picture 1
    Client 77 ended to watch on picture 1
    Client 77 is waiting for place around picture 0
    Client 77 started to watch on picture 0
    Client 53 ended to watch on picture 4
    Client 53 is waiting for place around picture 1
    Client 53 started to watch on picture 1
    Client 88 ended to watch on picture 2
    Client 68 ended to watch on picture 1
    Client 88 is waiting for place around picture 3
    Client 68 is waiting for place around picture 2
    Client 68 started to watch on picture 2
    Client 56 ended to watch on picture 4
    Client 56 is waiting for place around picture 4
    Client 39 is waiting for place around picture 3
    Client 85 is waiting for place around picture 2
    Client 85 started to watch on picture 2
    Client 79 ended to watch on picture 4
    Client 79 is waiting for place around picture 0
    Client 79 started to watch on picture 0
    Client 21 ended to watch on picture 2
<<<Client left the gallery 21
    Client 82 ended to watch on picture 3
    Client 82 is waiting for place around picture 3
    Client 82 started to watch on picture 3
    Client 93 ended to watch on picture 2
    Client 93 is waiting for place around picture 3
    Client 74 started to watch on picture 4
    Client 73 started to watch on picture 4
    Client 13 ended to watch on picture 2
<<<Client left the gallery 13
    Client 3 ended to watch on picture 0
    Client 3 is waiting for place around picture 3
>>>Watchman allowed entrance for client 99
    Client 99 is waiting for place around picture 3
>>>Watchman allowed entrance for client 96

```

Client 75 started to watch on picture 4
 Client 28 ended to watch on picture 4
 Client 96 is waiting for place around picture 1
 Client 56 started to watch on picture 4
 Client 96 started to watch on picture 1
 Client 69 ended to watch on picture 3
 Client 69 is waiting for place around picture 0
 Client 69 started to watch on picture 0
 Client 39 started to watch on picture 3
 <<<Client left the gallery 28
 >>>Watchman allowed entrance for client 94
 Client 94 is waiting for place around picture 1
 Client 94 started to watch on picture 1
 Client 6 ended to watch on picture 0
 Client 30 ended to watch on picture 2
 Client 30 is waiting for place around picture 0
 Client 30 started to watch on picture 0
 Client 40 ended to watch on picture 1
 <<<Client left the gallery 40
 <<<Client left the gallery 6
 Client 87 ended to watch on picture 2
 <<<Client left the gallery 87
 Client 80 ended to watch on picture 4
 Client 80 is waiting for place around picture 3
 Client 23 ended to watch on picture 3
 Client 23 is waiting for place around picture 2
 Client 23 started to watch on picture 2
 Client 93 started to watch on picture 3
 Client 64 ended to watch on picture 1
 Client 64 is waiting for place around picture 4
 Client 64 started to watch on picture 4
 Client 8 ended to watch on picture 4
 Client 8 is waiting for place around picture 1
 Client 8 started to watch on picture 1
 Client 50 ended to watch on picture 0
 Client 50 is waiting for place around picture 0
 Client 50 started to watch on picture 0
 Client 70 ended to watch on picture 2
 Client 70 is waiting for place around picture 4
 Client 70 started to watch on picture 4
 Client 2 ended to watch on picture 0
 Client 2 is waiting for place around picture 1
 Client 2 started to watch on picture 1
 Client 81 ended to watch on picture 1
 Client 81 is waiting for place around picture 0
 Client 81 started to watch on picture 0
 Client 29 ended to watch on picture 2
 Client 29 is waiting for place around picture 4
 Client 72 ended to watch on picture 3
 Client 72 is waiting for place around picture 3
 Client 88 started to watch on picture 3
 Client 58 ended to watch on picture 0

<<<Client left the gallery 58

Client 29 started to watch on picture 4
 Client 42 ended to watch on picture 3
 Client 42 is waiting for place around picture 2
 Client 42 started to watch on picture 2
 Client 3 started to watch on picture 3
 Client 18 ended to watch on picture 4
 Client 18 is waiting for place around picture 0
 Client 18 started to watch on picture 0
 Client 71 ended to watch on picture 1
 Client 71 is waiting for place around picture 3
 Client 15 ended to watch on picture 4
 Client 15 is waiting for place around picture 1
 Client 15 started to watch on picture 1
 Client 38 ended to watch on picture 2

<<<Client left the gallery 38

Client 37 ended to watch on picture 4
 Client 37 is waiting for place around picture 2
 Client 37 started to watch on picture 2
 Client 91 ended to watch on picture 3
 Client 91 is waiting for place around picture 4
 Client 91 started to watch on picture 4
 Client 99 started to watch on picture 3
 Client 76 ended to watch on picture 1
 Client 76 is waiting for place around picture 2
 Client 76 started to watch on picture 2
 Client 95 ended to watch on picture 3
 Client 95 is waiting for place around picture 4
 Client 95 started to watch on picture 4
 Client 80 started to watch on picture 3
 Client 67 ended to watch on picture 3
 Client 67 is waiting for place around picture 3
 Client 67 started to watch on picture 3
 Client 16 ended to watch on picture 4
 Client 16 is waiting for place around picture 4
 Client 31 ended to watch on picture 0
 Client 31 is waiting for place around picture 2
 Client 31 started to watch on picture 2
 Client 16 started to watch on picture 4
 Client 97 ended to watch on picture 3
 Client 97 is waiting for place around picture 3
 Client 97 started to watch on picture 3
 Client 78 ended to watch on picture 0

<<<Client left the gallery 78

Client 90 ended to watch on picture 2
 Client 90 is waiting for place around picture 3
 Client 98 ended to watch on picture 3
 Client 98 is waiting for place around picture 0
 Client 72 started to watch on picture 3
 Client 98 started to watch on picture 0
 Client 77 ended to watch on picture 0
 Client 77 is waiting for place around picture 1

Client 53 ended to watch on picture 1

Client 60 ended to watch on picture 1

Client 77 started to watch on picture 1

<<<Client left the gallery 53

Client 60 is waiting for place around picture 2

Client 60 started to watch on picture 2

Client 68 ended to watch on picture 2

Client 68 is waiting for place around picture 3

Client 85 ended to watch on picture 2

Client 85 is waiting for place around picture 4

Client 79 ended to watch on picture 0

Client 79 is waiting for place around picture 1

Client 79 started to watch on picture 1

Client 82 ended to watch on picture 3

Client 82 is waiting for place around picture 0

Client 82 started to watch on picture 0

Client 71 started to watch on picture 3

Client 73 ended to watch on picture 4

Client 73 is waiting for place around picture 4

Client 73 started to watch on picture 4

Client 74 ended to watch on picture 4

Client 74 is waiting for place around picture 4

Client 74 started to watch on picture 4

Client 75 ended to watch on picture 4

Client 75 is waiting for place around picture 2

Client 75 started to watch on picture 2

Client 85 started to watch on picture 4

Client 96 ended to watch on picture 1

Client 96 is waiting for place around picture 0

Client 96 started to watch on picture 0

Client 56 ended to watch on picture 4

<<<Client left the gallery 56

Client 39 ended to watch on picture 3

Client 39 is waiting for place around picture 2

Client 39 started to watch on picture 2

Client 69 ended to watch on picture 0

Client 69 is waiting for place around picture 4

Client 69 started to watch on picture 4

Client 90 started to watch on picture 3

Client 30 ended to watch on picture 0

Client 30 is waiting for place around picture 4

Client 94 ended to watch on picture 1

Client 94 is waiting for place around picture 4

Client 23 ended to watch on picture 2

Client 23 is waiting for place around picture 4

Client 93 ended to watch on picture 3

Client 93 is waiting for place around picture 0

Client 93 started to watch on picture 0

Client 68 started to watch on picture 3

Client 64 ended to watch on picture 4

Client 64 is waiting for place around picture 4

Client 64 started to watch on picture 4

Client 50 ended to watch on picture 0
 Client 50 is waiting for place around picture 3
 Client 8 ended to watch on picture 1
 Client 8 is waiting for place around picture 0
 Client 8 started to watch on picture 0
 Client 70 ended to watch on picture 4
 Client 70 is waiting for place around picture 2
 Client 70 started to watch on picture 2
 Client 94 started to watch on picture 4
 Client 2 ended to watch on picture 1
 <<<Client left the gallery 2
 Client 81 ended to watch on picture 0
 Client 81 is waiting for place around picture 0
 Client 81 started to watch on picture 0
 Client 88 ended to watch on picture 3
 Client 88 is waiting for place around picture 3
 Client 50 started to watch on picture 3
 Client 29 ended to watch on picture 4
 Client 29 is waiting for place around picture 1
 Client 29 started to watch on picture 1
 Client 23 started to watch on picture 4
 Client 42 ended to watch on picture 2
 Client 42 is waiting for place around picture 4
 Client 18 ended to watch on picture 0
 Client 3 ended to watch on picture 3
 <<<Client left the gallery 3
 Client 88 started to watch on picture 3
 Client 18 is waiting for place around picture 4
 Client 15 ended to watch on picture 1
 Client 15 is waiting for place around picture 2
 Client 15 started to watch on picture 2
 Client 37 ended to watch on picture 2
 <<<Client left the gallery 37
 Client 91 ended to watch on picture 4
 Client 91 is waiting for place around picture 3
 Client 91 started to watch on picture 3
 Client 99 ended to watch on picture 3
 Client 99 is waiting for place around picture 2
 Client 99 started to watch on picture 2
 Client 30 started to watch on picture 4
 Client 76 ended to watch on picture 2
 Client 76 is waiting for place around picture 0
 Client 76 started to watch on picture 0
 Client 80 ended to watch on picture 3
 Client 80 is waiting for place around picture 3
 Client 80 started to watch on picture 3
 Client 95 ended to watch on picture 4
 Client 95 is waiting for place around picture 4
 Client 95 started to watch on picture 4
 Client 97 ended to watch on picture 3
 Client 97 is waiting for place around picture 4
 Client 42 started to watch on picture 4

Client 67 ended to watch on picture 3
 Client 67 is waiting for place around picture 0
 Client 67 started to watch on picture 0
 Client 31 ended to watch on picture 2
 Client 31 is waiting for place around picture 2
 Client 31 started to watch on picture 2
 Client 16 ended to watch on picture 4
 Client 16 is waiting for place around picture 0
 Client 16 started to watch on picture 0
 Client 98 ended to watch on picture 0
 Client 98 is waiting for place around picture 1
 Client 98 started to watch on picture 1
 Client 77 ended to watch on picture 1
 Client 82 ended to watch on picture 0
 <<<Client left the gallery 82
 Client 71 ended to watch on picture 3
 Client 71 is waiting for place around picture 1
 Client 71 started to watch on picture 1
 Client 74 ended to watch on picture 4
 Client 60 ended to watch on picture 2
 Client 79 ended to watch on picture 1
 Client 96 ended to watch on picture 0
 Client 85 ended to watch on picture 4
 Client 18 started to watch on picture 4
 <<<Client left the gallery 74
 Client 39 ended to watch on picture 2
 <<<Client left the gallery 39
 Client 75 ended to watch on picture 2
 Client 75 is waiting for place around picture 2
 Client 72 ended to watch on picture 3
 Client 75 started to watch on picture 2
 <<<Client left the gallery 79
 <<<Client left the gallery 96
 Client 85 is waiting for place around picture 1
 Client 85 started to watch on picture 1
 Client 97 started to watch on picture 4
 Client 60 is waiting for place around picture 2
 Client 60 started to watch on picture 2
 Client 90 ended to watch on picture 3
 Client 90 is waiting for place around picture 2
 Client 90 started to watch on picture 2
 Client 77 is waiting for place around picture 4
 Client 77 started to watch on picture 4
 Client 73 ended to watch on picture 4
 Client 73 is waiting for place around picture 3
 Client 73 started to watch on picture 3
 Client 69 ended to watch on picture 4
 Client 69 is waiting for place around picture 1
 Client 69 started to watch on picture 1
 Client 72 is waiting for place around picture 0
 Client 72 started to watch on picture 0
 Client 93 ended to watch on picture 0

Client 93 is waiting for place around picture 1
 Client 93 started to watch on picture 1
 Client 68 ended to watch on picture 3
 Client 68 is waiting for place around picture 4
 Client 68 started to watch on picture 4
 Client 64 ended to watch on picture 4
 Client 64 is waiting for place around picture 0
 Client 64 started to watch on picture 0
 Client 8 ended to watch on picture 0
 Client 8 is waiting for place around picture 0
 Client 8 started to watch on picture 0
 Client 70 ended to watch on picture 2
 <<<Client left the gallery 70
 Client 94 ended to watch on picture 4
 <<<Client left the gallery 94
 Client 81 ended to watch on picture 0
 Client 81 is waiting for place around picture 1
 Client 81 started to watch on picture 1
 Client 50 ended to watch on picture 3
 Client 50 is waiting for place around picture 2
 Client 50 started to watch on picture 2
 Client 29 ended to watch on picture 1
 <<<Client left the gallery 29
 Client 23 ended to watch on picture 4
 <<<Client left the gallery 23
 Client 88 ended to watch on picture 3
 Client 88 is waiting for place around picture 2
 Client 88 started to watch on picture 2
 Client 15 ended to watch on picture 2
 Client 15 is waiting for place around picture 4
 Client 15 started to watch on picture 4
 Client 91 ended to watch on picture 3
 Client 91 is waiting for place around picture 0
 Client 91 started to watch on picture 0
 Client 99 ended to watch on picture 2
 Client 99 is waiting for place around picture 1
 Client 76 ended to watch on picture 0
 Client 30 ended to watch on picture 4
 <<<Client left the gallery 30
 Client 76 is waiting for place around picture 4
 Client 76 started to watch on picture 4
 Client 99 started to watch on picture 1
 Client 80 ended to watch on picture 3
 Client 80 is waiting for place around picture 2
 Client 80 started to watch on picture 2
 Client 95 ended to watch on picture 4
 Client 95 is waiting for place around picture 4
 Client 95 started to watch on picture 4
 Client 42 ended to watch on picture 4
 Client 42 is waiting for place around picture 3
 Client 42 started to watch on picture 3
 Client 67 ended to watch on picture 0

Client 67 is waiting for place around picture 0
 Client 67 started to watch on picture 0
 Client 31 ended to watch on picture 2
 <<<Client left the gallery 31
 Client 16 ended to watch on picture 0
 <<<Client left the gallery 16
 Client 98 ended to watch on picture 1
 <<<Client left the gallery 98
 Client 71 ended to watch on picture 1
 Client 71 is waiting for place around picture 3
 Client 71 started to watch on picture 3
 Client 18 ended to watch on picture 4
 <<<Client left the gallery 18
 Client 85 ended to watch on picture 1
 Client 85 is waiting for place around picture 2
 Client 85 started to watch on picture 2
 Client 60 ended to watch on picture 2
 Client 69 ended to watch on picture 1
 Client 69 is waiting for place around picture 0
 Client 77 ended to watch on picture 4
 Client 77 is waiting for place around picture 1
 Client 77 started to watch on picture 1
 Client 60 is waiting for place around picture 1
 Client 60 started to watch on picture 1
 Client 93 ended to watch on picture 1
 <<<Client left the gallery 93
 Client 90 ended to watch on picture 2
 Client 90 is waiting for place around picture 1
 Client 90 started to watch on picture 1
 Client 97 ended to watch on picture 4
 <<<Client left the gallery 97
 Client 72 ended to watch on picture 0
 Client 72 is waiting for place around picture 4
 Client 72 started to watch on picture 4
 Client 8 ended to watch on picture 0
 Client 75 ended to watch on picture 2
 Client 73 ended to watch on picture 3
 Client 73 is waiting for place around picture 2
 Client 73 started to watch on picture 2
 Client 68 ended to watch on picture 4
 Client 68 is waiting for place around picture 3
 Client 68 started to watch on picture 3
 Client 75 is waiting for place around picture 1
 Client 75 started to watch on picture 1
 Client 64 ended to watch on picture 0
 Client 64 is waiting for place around picture 4
 Client 69 started to watch on picture 0
 <<<Client left the gallery 8
 Client 64 started to watch on picture 4
 Client 81 ended to watch on picture 1
 <<<Client left the gallery 81
 Client 50 ended to watch on picture 2

```

<<<<Client left the gallery 50
    Client 88 ended to watch on picture 2
    Client 88 is waiting for place around picture 1
    Client 88 started to watch on picture 1
    Client 15 ended to watch on picture 4
<<<<Client left the gallery 15
    Client 91 ended to watch on picture 0
    Client 91 is waiting for place around picture 0
    Client 91 started to watch on picture 0
    Client 76 ended to watch on picture 4
    Client 76 is waiting for place around picture 2
    Client 76 started to watch on picture 2
    Client 99 ended to watch on picture 1
    Client 99 is waiting for place around picture 0
    Client 99 started to watch on picture 0
    Client 80 ended to watch on picture 2
<<<<Client left the gallery 80
    Client 95 ended to watch on picture 4
    Client 95 is waiting for place around picture 1
    Client 95 started to watch on picture 1
    Client 42 ended to watch on picture 3
<<<<Client left the gallery 42
    Client 67 ended to watch on picture 0
    Client 67 is waiting for place around picture 0
    Client 67 started to watch on picture 0
    Client 72 ended to watch on picture 4
    Client 69 ended to watch on picture 0
    Client 69 is waiting for place around picture 3
    Client 69 started to watch on picture 3
    Client 64 ended to watch on picture 4
    Client 64 is waiting for place around picture 2
    Client 64 started to watch on picture 2
    Client 75 ended to watch on picture 1
    Client 75 is waiting for place around picture 2
    Client 75 started to watch on picture 2
    Client 88 ended to watch on picture 1
<<<<Client left the gallery 88
    Client 85 ended to watch on picture 2
<<<<Client left the gallery 85
    Client 77 ended to watch on picture 1
    Client 77 is waiting for place around picture 2

Process finished with exit code 0
    Client 77 started to watch on picture 2
    Client 71 ended to watch on picture 3
<<<<Client left the gallery 71
    Client 72 is waiting for place around picture 1
    Client 72 started to watch on picture 1
    Client 68 ended to watch on picture 3
    Client 68 is waiting for place around picture 1
    Client 68 started to watch on picture 1
    Client 73 ended to watch on picture 2

```

Client 73 is waiting for place around picture 4
Client 73 started to watch on picture 4
Client 90 ended to watch on picture 1
Client 90 is waiting for place around picture 0
Client 90 started to watch on picture 0
Client 91 ended to watch on picture 0
Client 91 is waiting for place around picture 2
Client 91 started to watch on picture 2
Client 60 ended to watch on picture 1
Client 60 is waiting for place around picture 0
Client 60 started to watch on picture 0
Client 76 ended to watch on picture 2
Client 76 is waiting for place around picture 2
Client 99 ended to watch on picture 0
Client 99 is waiting for place around picture 4
Client 99 started to watch on picture 4
Client 76 started to watch on picture 2
Client 95 ended to watch on picture 1
Client 95 is waiting for place around picture 0
Client 95 started to watch on picture 0
Client 67 ended to watch on picture 0
Client 67 is waiting for place around picture 4
Client 67 started to watch on picture 4
Client 69 ended to watch on picture 3
Client 69 is waiting for place around picture 4
Client 69 started to watch on picture 4
Client 64 ended to watch on picture 2
Client 64 is waiting for place around picture 4
Client 64 started to watch on picture 4
Client 75 ended to watch on picture 2
Client 75 is waiting for place around picture 0
Client 75 started to watch on picture 0
Client 77 ended to watch on picture 2
Client 77 is waiting for place around picture 1
Client 77 started to watch on picture 1
Client 68 ended to watch on picture 1
Client 68 is waiting for place around picture 0
Client 68 started to watch on picture 0
Client 73 ended to watch on picture 4
Client 90 ended to watch on picture 0
Client 90 is waiting for place around picture 3
Client 90 started to watch on picture 3
Client 73 is waiting for place around picture 2
Client 73 started to watch on picture 2
Client 72 ended to watch on picture 1
Client 72 is waiting for place around picture 3
Client 91 ended to watch on picture 2
Client 91 is waiting for place around picture 3
Client 91 started to watch on picture 3
Client 72 started to watch on picture 3
Client 99 ended to watch on picture 4
Client 99 is waiting for place around picture 1

Client 60 ended to watch on picture 0
 <<<Client left the gallery 60
 Client 95 ended to watch on picture 0
 Client 95 is waiting for place around picture 0
 Client 95 started to watch on picture 0
 Client 99 started to watch on picture 1
 Client 76 ended to watch on picture 2
 Client 76 is waiting for place around picture 4
 Client 76 started to watch on picture 4
 Client 67 ended to watch on picture 4
 <<<Client left the gallery 67
 Client 69 ended to watch on picture 4
 Client 69 is waiting for place around picture 1
 Client 69 started to watch on picture 1
 Client 77 ended to watch on picture 1
 Client 64 ended to watch on picture 4
 <<<Client left the gallery 64
 Client 77 is waiting for place around picture 2
 Client 77 started to watch on picture 2
 Client 75 ended to watch on picture 0
 <<<Client left the gallery 75
 Client 90 ended to watch on picture 3
 Client 90 is waiting for place around picture 1
 Client 90 started to watch on picture 1
 Client 73 ended to watch on picture 2
 <<<Client left the gallery 73
 Client 68 ended to watch on picture 0
 <<<Client left the gallery 68
 Client 91 ended to watch on picture 3
 Client 91 is waiting for place around picture 0
 Client 91 started to watch on picture 0
 Client 72 ended to watch on picture 3
 Client 72 is waiting for place around picture 4
 Client 72 started to watch on picture 4
 Client 95 ended to watch on picture 0
 Client 95 is waiting for place around picture 2
 Client 95 started to watch on picture 2
 Client 76 ended to watch on picture 4
 Client 76 is waiting for place around picture 0
 Client 76 started to watch on picture 0
 Client 99 ended to watch on picture 1
 Client 99 is waiting for place around picture 4
 Client 99 started to watch on picture 4
 Client 69 ended to watch on picture 1
 <<<Client left the gallery 69
 Client 77 ended to watch on picture 2
 Client 77 is waiting for place around picture 2
 Client 77 started to watch on picture 2
 Client 90 ended to watch on picture 1
 Client 90 is waiting for place around picture 3
 Client 90 started to watch on picture 3
 Client 91 ended to watch on picture 0

<<<Client left the gallery 91
 Client 72 ended to watch on picture 4
 Client 72 is waiting for place around picture 0
 Client 72 started to watch on picture 0
 Client 95 ended to watch on picture 2
<<<Client left the gallery 95
 Client 76 ended to watch on picture 0
<<<Client left the gallery 76
 Client 99 ended to watch on picture 4
<<<Client left the gallery 99
 Client 77 ended to watch on picture 2
<<<Client left the gallery 77
 Client 72 ended to watch on picture 0
<<<Client left the gallery 72
 Client 90 ended to watch on picture 3
 Client 90 is waiting for place around picture 3
 Client 90 started to watch on picture 3
 Client 90 ended to watch on picture 3
<<<Client left the gallery 90