

Autor(es): João Victor Amora de Figueiredo – 23.1.8019

Henrique Ângelo Duarte Alves – 23.1.8028

Link para o código fonte: <https://github.com/08-Joao/AedsIII-MazeProject>

---

### *Resolvendo o Problema do Labirinto*

Para cada arquivo de labirinto abordado apresente o caminho do início até a saída e o tempo de execução em segundos para obter a resposta:

#### Maze3:

- Busca por Largura:
  - Caminho: (1, 0), (1, 1), (2, 1), (1, 2), (3, 1), (1, 3), (2, 3), (3, 3), (4, 3), (3, 4), (5, 3), (3, 5), (5, 2), (4, 5), (2, 5), (5, 1), (5, 5), (1, 5), (5, 6)
  - Tempo de execução: 0.0003635999746620655
- Busca por Profundidade:
  - Caminho: (1, 0), (1, 1), (1, 2), (1, 3), (2, 3), (3, 3), (3, 4), (3, 5), (2, 5), (1, 5), (4, 5), (5, 5), (5, 6)
  - Tempo de Execução: 0.0002462000120431185

#### Maze10:

- Busca por Largura:
  - Caminho: (1, 0), (1, 1), (2, 1), (3, 1), (3, 2), (3, 3), (3, 4), (3, 5), (4, 5), (2, 5), (3, 6), (5, 5), (1, 5), (3, 7), (6, 5), (1, 6), (1, 4), (4, 7), (7, 5), (1, 7), (1, 3), (5, 7), (6, 7), (7, 7), (8, 7), (7, 8), (9, 7), (7, 9), (9, 6), (8, 9), (6, 9), (9, 5), (9, 9), (5, 9), (10, 5), (4, 9), (5, 10), (11, 5), (3, 9), (5, 11), (11, 6), (2, 9), (6, 11), (4, 11), (11, 7), (1, 9), (7, 11), (3, 11), (12, 7), (1, 10), (8, 11), (13, 7), (1, 11), (9, 11), (13, 6), (1, 12), (10, 11), (9, 12), (13, 5), (1, 13), (11, 11), (9, 13), (14, 5), (2, 13), (1, 14), (11, 12), (11, 10), (15, 5), (3, 13), (1, 15), (11, 13), (11, 9), (15, 6), (15, 4), (4, 13), (3, 14), (1, 16), (12, 9), (15, 7), (15, 3), (5, 13), (3, 15), (1, 17), (13, 9), (15, 8), (16, 3), (5, 14), (2, 17), (1, 18), (13, 10), (15, 9), (17, 3), (5, 15), (3, 17), (1, 19), (13, 11), (16, 9), (18, 3), (17, 2), (6, 15), (4, 17), (3, 18), (14, 11), (13, 12), (17, 9), (19, 3), (17, 1), (7, 15), (5, 17), (3, 19), (15, 11), (13, 13), (18, 9), (17, 8), (19, 4), (18, 1), (16, 1), (7, 14), (5, 18), (16, 11), (14, 13), (19, 9), (17, 7), (19, 5), (19, 1), (15, 1), (7, 13), (5, 19), (17, 11), (15, 13), (18, 5), (19, 6), (14, 1), (6, 19), (18, 11), (17, 5), (19, 7), (13, 1), (7, 19), (19, 11), (12, 1), (13, 2), (8, 19), (7, 18), (19, 12), (11, 1), (13, 3), (9, 19), (7, 17), (19, 13), (12, 3), (10, 19), (8, 17), (18, 13), (19, 14), (11, 3), (11, 19), (9, 17), (17, 13), (19, 15), (10, 3), (12, 19), (10, 17), (9, 16), (18, 15), (9, 3), (13, 19), (11, 17), (9, 15), (17, 15), (8, 3), (9, 2), (14, 19), (13, 18), (11, 16), (7, 3), (9, 1), (15, 19), (13, 17), (11, 15), (6, 3), (7, 2), (15, 18), (5, 3), (7, 1), (15, 17), (5, 2), (16, 17), (15, 16), (5, 1), (17, 17), (15, 15), (18, 17), (17, 18), (14, 15), (19, 17), (17, 19), (13, 15), (19, 18), (19, 19), (19, 20)
  - Tempo de execução: 0.003825400024652481
- Busca por Profundidade:
  - Caminho: (1, 0), (1, 1), (2, 1), (3, 1), (3, 2), (3, 3), (3, 4), (3, 5), (3, 6), (3, 7), (4, 7), (5, 7), (6, 7), (7, 7), (7, 8), (7, 9), (6, 9), (5, 9), (5, 10), (5, 11), (4, 11), (3, 11), (6, 11), (7, 11), (8, 11), (9, 11), (9, 12), (9, 13), (10, 11), (11, 11), (11, 10), (11, 9), (12, 9), (13, 9), (13, 10), (13, 11), (13, 12), (13, 13), (14, 13), (15, 13), (14, 11), (15, 11), (16, 11), (17, 11), (18, 11), (19, 11), (19, 12), (19, 13), (19, 14), (19, 15), (18, 15), (17, 15), (18, 13), (17, 13), (11, 12), (11, 13), (4, 9), (3, 9), (2, 9), (1, 9), (1, 10), (1, 11), (1, 12), (1, 13), (1, 14), (1, 15), (1, 16), (1, 17), (1, 18), (1, 19), (2, 17), (3, 17), (3, 18), (3, 19), (4, 17), (5, 17), (5, 18), (5, 19), (6, 19), (7, 19), (7, 18), (7, 17), (8, 17), (9, 17), (9, 16), (9, 15), (10, 17), (11, 17), (11, 16), (11, 15),

(8, 19), (9, 19), (10, 19), (11, 19), (12, 19), (13, 19), (13, 18), (13, 17), (14, 19), (15, 19), (15, 18), (15, 17), (15, 16), (15, 15), (14, 15), (13, 15), (16, 17), (17, 17), (17, 18), (17, 19), (18, 17), (19, 17), (19, 18), (19, 19), (19, 20)

- Tempo de Execução: 0.001979400054551661

Maze20:

- Busca por Largura:

- Caminho: (1, 0), (1, 1), (2, 1), (3, 1), (4, 1), (5, 1), (5, 2), (5, 3), (6, 3), (5, 4), (7, 3), (5, 5), (7, 2), (4, 5), (7, 1), (3, 5), (8, 1), (2, 5), (9, 1), (1, 5), (10, 1), (1, 6), (1, 4), (11, 1), (1, 7), (1, 3), (11, 2), (1, 8), (2, 3), (11, 3), (1, 9), (3, 3), (10, 3), (1, 10), (9, 3), (1, 11), (9, 4), (2, 11), (1, 12), (9, 5), (3, 11), (1, 13), (8, 5), (9, 6), (4, 11), (1, 14), (7, 5), (9, 7), (5, 11), (1, 15), (8, 7), (5, 12), (7, 7), (5, 13), (7, 8), (5, 14), (7, 9), (5, 15), (6, 9), (6, 15), (4, 15), (5, 9), (7, 15), (3, 15), (5, 8), (7, 14), (3, 16), (3, 14), (5, 7), (7, 13), (3, 17), (3, 13), (4, 7), (8, 13), (7, 12), (4, 17), (3, 7), (9, 13), (7, 11), (5, 17), (3, 8), (10, 13), (6, 17), (3, 9), (11, 13), (7, 17), (11, 14), (11, 15), (10, 15), (9, 15), (9, 16), (9, 17), (10, 17), (9, 18), (11, 17), (9, 19), (10, 19), (8, 19), (11, 19), (7, 19), (11, 20), (7, 20), (11, 21), (7, 21), (8, 21), (9, 21), (9, 22), (9, 23), (10, 23), (11, 23), (12, 23), (13, 23), (14, 23), (13, 24), (15, 23), (13, 25), (12, 25), (13, 26), (11, 25), (13, 27), (10, 25), (11, 26), (14, 27), (9, 25), (11, 27), (15, 27), (8, 25), (10, 27), (11, 28), (15, 26), (7, 25), (9, 27), (11, 29), (15, 25), (6, 25), (8, 27), (11, 30), (16, 25), (5, 25), (7, 27), (11, 31), (17, 25), (5, 26), (7, 28), (12, 31), (18, 25), (5, 27), (7, 29), (13, 31), (19, 25), (5, 28), (8, 29), (13, 30), (19, 26), (19, 24), (5, 29), (9, 29), (13, 29), (19, 27), (19, 23), (4, 29), (18, 27), (19, 28), (18, 23), (19, 22), (3, 29), (17, 27), (19, 29), (17, 23), (19, 21), (2, 29), (3, 30), (18, 29), (19, 30), (17, 22), (20, 21), (19, 20), (1, 29), (3, 31), (17, 29), (19, 31), (17, 21), (21, 21), (19, 19), (1, 30), (1, 28), (4, 31), (3, 32), (20, 31), (21, 22), (21, 20), (18, 19), (19, 18), (1, 31), (1, 27), (5, 31), (3, 33), (21, 31), (21, 23), (21, 19), (17, 19), (19, 17), (1, 32), (1, 26), (6, 31), (5, 32), (3, 34), (21, 30), (21, 24), (16, 19), (18, 17), (19, 16), (1, 33), (1, 25), (7, 31), (5, 33), (3, 35), (21, 29), (21, 25), (15, 19), (17, 17), (19, 15), (1, 34), (2, 25), (1, 24), (8, 31), (6, 33), (22, 29), (15, 20), (15, 18), (18, 15), (19, 14), (1, 35), (3, 25), (1, 23), (9, 31), (7, 33), (23, 29), (15, 21), (15, 17), (17, 15), (19, 13), (1, 36), (3, 26), (2, 23), (1, 22), (7, 34), (24, 29), (23, 30), (23, 28), (14, 21), (14, 17), (17, 14), (19, 12), (1, 37), (3, 27), (3, 23), (1, 21), (7, 35), (25, 29), (23, 31), (23, 27), (13, 21), (13, 17), (17, 13), (19, 11), (1, 38), (4, 23), (1, 20), (8, 35), (25, 28), (24, 31), (23, 32), (22, 27), (23, 26), (13, 18), (13, 16), (20, 11), (18, 11), (1, 39), (5, 23), (1, 19), (9, 35), (25, 27), (25, 31), (23, 33), (21, 27), (23, 25), (13, 19), (13, 15), (21, 11), (17, 11), (6, 23), (5, 22), (1, 18), (10, 35), (9, 36), (9, 34), (26, 31), (24, 33), (22, 33), (14, 15), (21, 12), (7, 23), (5, 21), (1, 17), (11, 35), (9, 37), (9, 33), (27, 31), (25, 33), (21, 33), (15, 15), (21, 13), (5, 20), (12, 35), (10, 37), (8, 37), (10, 33), (28, 31), (25, 34), (20, 33), (15, 14), (5, 19), (13, 35), (11, 37), (7, 37), (11, 33), (29, 31), (25, 35), (19, 33), (15, 13), (4, 19), (13, 34), (12, 37), (7, 38), (29, 30), (26, 35), (24, 35), (25, 36), (14, 13), (15, 12), (3, 19), (13, 33), (13, 37), (7, 39), (29, 29), (27, 35), (23, 35), (25, 37), (13, 13), (15, 11), (3, 20), (8, 39), (6, 39), (30, 29), (29, 28), (27, 34), (23, 36), (26, 37), (25, 38), (13, 12), (3, 21), (9, 39), (5, 39), (31, 29), (29, 27), (27, 33), (23, 37), (27, 37), (25, 39), (13, 11), (10, 39), (4, 39), (5, 38), (32, 29), (28, 27), (29, 26), (26, 39), (12, 11), (13, 10), (11, 39), (3, 39), (5, 37), (33, 29), (27, 27), (29, 25), (27, 39), (11, 11), (13, 9), (12, 39), (3, 38), (5, 36), (34, 29), (27, 28), (30, 25), (29, 24), (28, 39), (10, 11), (12, 9), (13, 39), (3, 37), (5, 35), (35, 29), (27, 29), (31, 25), (29, 23), (29, 39), (9, 11), (11, 9), (14, 39), (36, 29), (35, 30), (35, 28), (32, 25), (30, 23), (30, 39), (29, 38), (9, 10), (11, 8), (15, 39), (37, 29), (35, 31), (35, 27), (33, 25), (31, 23), (31, 39), (29, 37), (9, 9), (11, 7), (16, 39), (15, 38), (38, 29), (37, 28), (36, 31), (34, 31), (34, 25), (33, 26), (32, 23), (32, 39), (31, 38), (29, 36), (11, 6), (17, 39), (15, 37), (39, 29), (37, 27), (37, 31), (33, 31), (35, 25), (33, 27), (33, 23), (33, 39), (31, 37), (29, 35), (11, 5), (17, 38), (15, 36), (39, 28), (32, 31), (32, 27), (33, 22), (34, 39), (33, 38), (30, 35), (17, 37), (15, 35), (39, 27), (31, 31), (31, 27), (33, 21), (35, 39), (33, 37), (31, 35), (18, 37), (17, 36), (15, 34), (39, 26), (34, 21), (32, 21), (33, 20), (36, 39), (33, 36), (31, 34), (19, 37), (17, 35), (15, 33), (39, 25), (35, 21), (31, 21), (33, 19), (37, 39), (33, 35), (31, 33), (20, 37), (19, 38), (19, 36), (15, 32), (38, 25), (36, 21), (35, 22), (30, 21), (31,

20), (34, 19), (33, 18), (38, 39), (33, 34), (30, 33), (21, 37), (19, 39), (19, 35), (15, 31), (37, 25), (37, 21), (35, 23), (29, 21), (31, 19), (35, 19), (33, 17), (39, 39), (33, 33), (29, 33), (21, 38), (21, 36), (16, 31), (15, 30), (37, 20), (31, 18), (35, 18), (33, 16), (39, 40)

○ Tempo de execução: 0.007434000028297305

- Busca por Profundidade:

○ Caminho: (1, 0), (1, 1), (2, 1), (3, 1), (4, 1), (5, 1), (5, 2), (5, 3), (5, 4), (5, 5), (4, 5), (3, 5), (2, 5), (1, 5), (1, 4), (1, 3), (2, 3), (3, 3), (1, 6), (1, 7), (1, 8), (1, 9), (1, 10), (1, 11), (1, 12), (1, 13), (1, 14), (1, 15), (2, 11), (3, 11), (4, 11), (5, 11), (5, 12), (5, 13), (5, 14), (5, 15), (4, 15), (3, 15), (3, 14), (3, 13), (3, 16), (3, 17), (4, 17), (5, 17), (6, 17), (7, 17), (6, 15), (7, 15), (7, 14), (7, 13), (7, 12), (7, 11), (8, 13), (9, 13), (10, 13), (11, 13), (11, 14), (11, 15), (10, 15), (9, 15), (9, 16), (9, 17), (9, 18), (9, 19), (8, 19), (7, 19), (7, 20), (7, 21), (8, 21), (9, 21), (9, 22), (9, 23), (10, 23), (11, 23), (12, 23), (13, 23), (13, 24), (13, 25), (13, 26), (13, 27), (14, 27), (15, 27), (15, 26), (15, 25), (16, 25), (17, 25), (18, 25), (19, 25), (19, 24), (19, 23), (19, 22), (19, 21), (19, 20), (19, 19), (19, 18), (19, 17), (19, 16), (19, 15), (19, 14), (19, 13), (19, 12), (19, 11), (18, 11), (17, 11), (20, 11), (21, 11), (21, 12), (21, 13), (18, 15), (17, 15), (17, 14), (17, 13), (18, 17), (17, 17), (18, 19), (17, 19), (16, 19), (15, 19), (15, 18), (15, 17), (14, 17), (13, 17), (13, 16), (13, 15), (14, 15), (15, 15), (15, 14), (15, 13), (15, 12), (15, 11), (14, 13), (13, 13), (13, 12), (13, 11), (13, 10), (13, 9), (12, 9), (11, 9), (11, 8), (11, 7), (11, 6), (11, 5), (12, 11), (11, 11), (10, 11), (9, 11), (9, 10), (9, 9), (13, 18), (13, 19), (15, 20), (15, 21), (14, 21), (13, 21), (20, 21), (21, 21), (21, 20), (21, 19), (21, 22), (21, 23), (21, 24), (21, 25), (18, 23), (17, 23), (17, 22), (17, 21), (19, 26), (19, 27), (19, 28), (19, 29), (19, 30), (19, 31), (20, 31), (21, 31), (21, 30), (21, 29), (22, 29), (23, 29), (23, 28), (23, 27), (23, 26), (23, 25), (22, 27), (21, 27), (23, 30), (23, 31), (23, 32), (23, 33), (22, 33), (21, 33), (20, 33), (19, 33), (24, 33), (25, 33), (25, 34), (25, 35), (25, 36), (25, 37), (25, 38), (25, 39), (26, 39), (27, 39), (28, 39), (29, 39), (29, 38), (29, 37), (29, 36), (29, 35), (30, 35), (31, 35), (31, 34), (31, 33), (30, 33), (29, 33), (30, 39), (31, 39), (31, 38), (31, 37), (32, 39), (33, 39), (33, 38), (33, 37), (33, 36), (33, 35), (33, 34), (33, 33), (34, 33), (35, 33), (35, 34), (35, 35), (35, 36), (35, 37), (34, 39), (35, 39), (36, 39), (37, 39), (38, 39), (39, 39), (39, 38), (39, 37), (39, 36), (39, 35), (39, 34), (39, 33), (39, 32), (39, 31), (38, 33), (37, 33), (38, 37), (37, 37), (37, 36), (37, 35), (39, 40)

○ Tempo de Execução: 0.005680999951437116

### Maze30:

- Busca por Largura:

○ Caminho: (1, 0), (1, 1), (2, 1), (1, 2), (3, 1), (1, 3), (2, 3), (1, 4), (3, 3), (1, 5), (4, 3), (2, 5), (5, 3), (3, 5), (4, 5), (3, 6), (5, 5), (3, 7), (4, 7), (5, 7), (5, 8), (5, 9), (6, 9), (4, 9), (7, 9), (3, 9), (3, 10), (3, 11), (4, 11), (3, 12), (5, 11), (3, 13), (6, 11), (4, 13), (2, 13), (7, 11), (5, 13), (1, 13), (8, 11), (6, 13), (5, 14), (1, 14), (1, 12), (9, 11), (7, 13), (5, 15), (1, 15), (1, 11), (10, 11), (9, 12), (7, 14), (2, 15), (1, 10), (11, 11), (9, 13), (7, 15), (3, 15), (1, 9), (11, 10), (10, 13), (9, 14), (1, 8), (11, 9), (11, 13), (9, 15), (1, 7), (12, 9), (11, 8), (12, 13), (11, 14), (13, 9), (11, 7), (13, 13), (11, 15), (14, 9), (12, 7), (13, 12), (12, 15), (15, 9), (13, 7), (13, 11), (13, 15), (16, 9), (15, 10), (14, 7), (17, 9), (15, 11), (15, 7), (17, 10), (17, 8), (15, 12), (17, 11), (17, 7), (15, 13), (17, 6), (16, 13), (15, 14), (17, 5), (17, 13), (15, 15), (18, 5), (16, 5), (16, 15), (19, 5), (15, 5), (17, 15), (19, 6), (19, 4), (17, 16), (19, 7), (19, 3), (17, 17), (20, 3), (18, 3), (16, 17), (17, 18), (21, 3), (17, 3), (15, 17), (17, 19), (16, 3), (17, 2), (14, 17), (16, 19), (15, 3), (17, 1), (13, 17), (15, 19), (14, 3), (18, 1), (16, 1), (13, 18), (15, 20), (13, 3), (19, 1), (15, 1), (13, 19), (15, 21), (12, 3), (20, 1), (14, 1), (12, 19), (13, 20), (15, 22), (11, 3), (21, 1), (13, 1), (11, 19), (13, 21), (15, 23), (11, 4), (22, 1), (12, 1), (10, 19), (11, 20), (11, 18), (13, 22), (16, 23), (11, 5), (23, 1), (11, 1), (9, 19), (11, 21), (11, 17), (13, 23), (17, 23), (12, 5), (10, 5), (24, 1), (23, 2), (10, 1), (10, 21), (11, 22), (18, 23), (13, 5), (9, 5), (25, 1), (23, 3), (9, 1), (9, 21), (11, 23), (19, 23), (8, 5), (24, 3), (23, 4), (9, 2), (8, 21), (9, 22), (11, 24), (20, 23), (19, 22), (7, 5), (25, 3), (23, 5), (9, 3), (7, 21), (9, 23), (11, 25), (21, 23), (19, 21), (7, 6), (22, 5), (8, 3), (7, 22), (7, 20), (10,

25), (21, 24), (20, 21), (18, 21), (19, 20), (7, 7), (21, 5), (7, 3), (7, 23), (7, 19), (9, 25), (21, 25), (21, 21), (17, 21), (19, 19), (8, 7), (21, 6), (7, 2), (6, 23), (7, 24), (7, 18), (22, 25), (20, 25), (21, 20), (19, 18), (9, 7), (21, 7), (7, 1), (5, 23), (7, 25), (7, 17), (23, 25), (19, 25), (21, 19), (19, 17), (9, 8), (22, 7), (6, 1), (5, 22), (6, 25), (7, 26), (8, 17), (24, 25), (18, 25), (19, 26), (22, 19), (20, 17), (19, 16), (9, 9), (23, 7), (5, 1), (5, 21), (5, 25), (7, 27), (9, 17), (25, 25), (17, 25), (19, 27), (23, 19), (21, 17), (19, 15), (24, 7), (4, 21), (5, 20), (6, 27), (20, 27), (18, 27), (19, 28), (24, 19), (23, 20), (23, 18), (21, 16), (25, 7), (3, 21), (5, 19), (5, 27), (21, 27), (17, 27), (19, 29), (25, 19), (23, 21), (23, 17), (21, 15), (25, 6), (2, 21), (3, 22), (5, 18), (4, 27), (22, 27), (21, 28), (18, 29), (26, 19), (25, 18), (23, 22), (22, 15), (21, 14), (25, 5), (1, 21), (3, 23), (5, 17), (3, 27), (23, 27), (21, 29), (17, 29), (27, 19), (25, 17), (23, 23), (23, 15), (21, 13), (26, 5), (1, 22), (1, 20), (4, 17), (2, 27), (3, 28), (21, 30), (28, 19), (20, 13), (21, 12), (27, 5), (1, 23), (1, 19), (3, 17), (1, 27), (3, 29), (21, 31), (29, 19), (19, 13), (21, 11), (28, 5), (27, 4), (1, 24), (2, 19), (1, 18), (3, 30), (22, 31), (19, 12), (22, 11), (21, 10), (29, 5), (27, 3), (1, 25), (3, 19), (1, 17), (3, 31), (23, 31), (19, 11), (23, 11), (21, 9), (30, 5), (2, 25), (4, 31), (3, 32), (23, 30), (19, 10), (24, 11), (23, 12), (31, 5), (3, 25), (5, 31), (3, 33), (23, 29), (19, 9), (25, 11), (23, 13), (32, 5), (31, 6), (6, 31), (5, 30), (4, 33), (2, 33), (3, 34), (33, 5), (31, 7), (7, 31), (5, 29), (5, 33), (1, 33), (3, 35), (34, 5), (33, 4), (8, 31), (6, 29), (5, 34), (1, 34), (1, 32), (35, 5), (33, 3), (9, 31), (7, 29), (5, 35), (1, 35), (1, 31), (36, 5), (35, 4), (32, 3), (33, 2), (9, 32), (9, 30), (6, 35), (1, 36), (1, 30), (37, 5), (35, 3), (31, 3), (33, 1), (9, 33), (9, 29), (7, 35), (1, 37), (1, 29), (37, 6), (36, 3), (35, 2), (30, 3), (32, 1), (8, 33), (9, 28), (8, 35), (2, 37), (37, 7), (37, 3), (35, 1), (29, 3), (31, 1), (7, 33), (9, 27), (9, 35), (3, 37), (38, 7), (37, 8), (37, 2), (29, 2), (10, 27), (10, 35), (9, 36), (3, 38), (39, 7), (37, 9), (37, 1), (29, 1), (11, 27), (11, 35), (9, 37), (3, 39), (38, 9), (37, 10), (38, 1), (28, 1), (12, 27), (4, 39), (3, 40), (39, 9), (37, 11), (39, 1), (27, 1), (13, 27), (5, 39), (3, 41), (40, 9), (37, 12), (40, 1), (14, 27), (5, 38), (3, 42), (41, 9), (37, 13), (41, 1), (15, 27), (5, 37), (3, 43), (36, 13), (37, 14), (41, 2), (15, 28), (15, 26), (2, 43), (35, 13), (37, 15), (41, 3), (15, 29), (15, 25), (1, 43), (35, 14), (37, 16), (40, 3), (14, 29), (14, 25), (1, 44), (1, 42), (35, 15), (37, 17), (39, 3), (13, 29), (13, 25), (1, 45), (1, 41), (34, 15), (38, 17), (39, 4), (2, 45), (1, 40), (33, 15), (39, 17), (39, 5), (3, 45), (1, 39), (32, 15), (33, 14), (40, 17), (39, 18), (39, 16), (40, 5), (4, 45), (3, 46), (31, 15), (33, 13), (41, 17), (39, 19), (39, 15), (41, 5), (5, 45), (3, 47), (30, 15), (31, 16), (31, 14), (33, 12), (41, 16), (38, 19), (42, 5), (41, 6), (6, 45), (4, 47), (3, 48), (29, 15), (31, 17), (31, 13), (33, 11), (41, 15), (37, 19), (43, 5), (41, 7), (7, 45), (5, 47), (3, 49), (30, 17), (31, 18), (30, 13), (34, 11), (42, 15), (41, 14), (36, 19), (37, 20), (44, 5), (43, 4), (42, 7), (7, 44), (6, 47), (5, 48), (3, 50), (29, 17), (31, 19), (29, 13), (35, 11), (43, 15), (41, 13), (35, 19), (37, 21), (45, 5), (43, 3), (43, 7), (7, 43), (7, 47), (5, 49), (3, 51), (28, 17), (31, 20), (28, 13), (29, 12), (35, 10), (44, 15), (43, 16), (40, 13), (41, 12), (34, 19), (37, 22), (46, 5), (45, 6), (45, 4), (43, 2), (7, 42), (8, 47), (6, 49), (5, 50), (2, 51), (3, 52), (27, 17), (31, 21), (27, 13), (29, 11), (35, 9), (45, 15), (43, 17), (39, 13), (41, 11), (33, 19), (37, 23), (47, 5), (45, 7), (45, 3), (43, 1), (7, 41), (9, 47), (7, 49), (5, 51), (1, 51), (3, 53), (32, 21), (31, 22), (27, 14), (30, 11), (29, 10), (34, 9), (44, 17), (39, 12), (42, 11), (33, 18), (38, 23), (36, 23), (37, 24), (46, 3), (45, 2), (8, 41), (6, 41), (7, 40), (10, 47), (9, 46), (8, 49), (6, 51), (5, 52), (1, 52), (1, 50), (33, 21), (31, 23), (27, 15), (31, 11), (29, 9), (33, 9), (45, 17), (39, 11), (43, 11), (33, 17), (39, 23), (35, 23), (37, 25), (47, 3), (45, 1), (9, 41), (5, 41), (7, 39), (11, 47), (9, 45), (9, 49), (7, 51), (5, 53), (1, 53), (1, 49), (34, 21), (30, 23), (26, 15), (29, 8), (32, 9), (33, 8), (44, 11), (43, 12), (43, 10), (34, 17), (39, 22), (37, 26), (46, 1), (10, 41), (9, 42), (5, 42), (8, 39), (7, 38), (10, 45), (10, 49), (6, 53), (5, 54), (1, 48), (35, 21), (29, 23), (25, 15), (29, 7), (31, 9), (33, 7), (45, 11), (43, 13), (43, 9), (35, 17), (39, 21), (37, 27), (47, 1), (11, 41), (9, 43), (5, 43), (9, 39), (7, 37), (11, 45), (11, 49), (7, 53), (5, 55), (1, 47), (28, 23), (29, 24), (29, 22), (25, 14), (28, 7), (34, 7), (44, 13), (44, 9), (40, 21), (37, 28), (11, 40), (8, 53), (6, 55), (5, 56), (27, 23), (29, 25), (29, 21), (25, 13), (27, 7), (35, 7), (45, 13), (45, 9), (41, 21), (37, 29), (11, 39), (9, 53), (7, 55), (5, 57), (26, 23), (27, 24), (27, 22), (30, 25), (27, 8), (46, 13), (41, 22), (41, 20), (37, 30), (11, 38), (6, 57), (4, 57), (5, 58), (25, 23), (27, 25), (27, 21), (31, 25), (27, 9), (47, 13), (41, 23), (41, 19), (37, 31), (11, 37), (7, 57), (3, 57), (5, 59), (25, 22), (27, 26), (26, 9), (27, 10), (47, 12), (42, 19), (37, 32), (8, 57), (7, 58), (3, 58), (3, 56), (25, 21), (27, 27), (25, 9), (27, 11), (47, 11), (43, 19), (37, 33), (9, 57), (7, 59), (3, 59), (3, 55), (28, 27), (26, 27), (27, 28), (24,

9), (48, 11), (43, 20), (37, 34), (10, 57), (9, 58), (2, 59), (29, 27), (25, 27), (27, 29), (23, 9), (49, 11), (43, 21), (37, 35), (11, 57), (9, 59), (1, 59), (25, 28), (28, 29), (27, 30), (49, 12), (44, 21), (43, 22), (38, 35), (36, 35), (11, 56), (10, 59), (1, 58), (25, 29), (29, 29), (27, 31), (49, 13), (45, 21), (43, 23), (39, 35), (35, 35), (11, 55), (11, 59), (1, 57), (26, 31), (50, 13), (49, 14), (46, 21), (45, 22), (45, 20), (35, 36), (35, 34), (10, 55), (1, 56), (25, 31), (51, 13), (49, 15), (47, 21), (45, 23), (45, 19), (35, 37), (35, 33), (9, 55), (1, 55), (52, 13), (48, 15), (49, 16), (48, 21), (46, 23), (45, 24), (36, 37), (34, 37), (35, 38), (35, 32), (53, 13), (47, 15), (49, 17), (49, 21), (47, 23), (45, 25), (37, 37), (33, 37), (35, 39), (35, 31), (54, 13), (53, 12), (47, 16), (49, 22), (49, 20), (46, 25), (45, 26), (33, 36), (34, 39), (34, 31), (55, 13), (53, 11), (47, 17), (49, 23), (49, 19), (47, 25), (45, 27), (33, 35), (33, 39), (33, 31), (56, 13), (55, 12), (47, 18), (50, 23), (47, 26), (44, 27), (45, 28), (32, 35), (32, 39), (33, 30), (57, 13), (55, 11), (47, 19), (51, 23), (47, 27), (43, 27), (45, 29), (31, 35), (31, 39), (33, 29), (58, 13), (59, 60)

○ Tempo de execução: 0.026123999967239797

• Busca por Profundidade:

○ Caminho: (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (2, 5), (3, 5), (3, 6), (3, 7), (4, 7), (5, 7), (5, 8), (5, 9), (4, 9), (3, 9), (3, 10), (3, 11), (3, 12), (3, 13), (2, 13), (1, 13), (1, 12), (1, 11), (1, 10), (1, 9), (1, 8), (1, 7), (1, 14), (1, 15), (2, 15), (3, 15), (4, 13), (5, 13), (5, 14), (5, 15), (6, 13), (7, 13), (7, 14), (7, 15), (4, 11), (5, 11), (6, 11), (7, 11), (8, 11), (9, 11), (9, 12), (9, 13), (9, 14), (9, 15), (10, 13), (11, 13), (11, 14), (11, 15), (12, 15), (13, 15), (12, 13), (13, 13), (13, 12), (13, 11), (10, 11), (11, 11), (11, 10), (11, 9), (11, 8), (11, 7), (12, 7), (13, 7), (14, 7), (15, 7), (12, 9), (13, 9), (14, 9), (15, 9), (15, 10), (15, 11), (15, 12), (15, 13), (15, 14), (15, 15), (16, 15), (17, 15), (17, 16), (17, 17), (17, 18), (17, 19), (16, 19), (15, 19), (15, 20), (15, 21), (15, 22), (15, 23), (16, 23), (17, 23), (18, 23), (19, 23), (19, 22), (19, 21), (19, 20), (19, 19), (19, 18), (19, 17), (19, 16), (19, 15), (20, 17), (21, 17), (21, 16), (21, 15), (21, 14), (21, 13), (21, 12), (21, 11), (21, 10), (21, 9), (22, 11), (23, 11), (23, 12), (23, 13), (24, 11), (25, 11), (20, 13), (19, 13), (19, 12), (19, 11), (19, 10), (19, 9), (22, 15), (23, 15), (18, 21), (17, 21), (20, 21), (21, 21), (21, 20), (21, 19), (22, 19), (23, 19), (23, 18), (23, 17), (23, 20), (23, 21), (23, 22), (23, 23), (24, 19), (25, 19), (25, 18), (25, 17), (26, 19), (27, 19), (28, 19), (29, 19), (20, 23), (21, 23), (21, 24), (21, 25), (20, 25), (19, 25), (19, 26), (19, 27), (19, 28), (19, 29), (18, 29), (17, 29), (18, 27), (17, 27), (20, 27), (21, 27), (21, 28), (21, 29), (21, 30), (21, 31), (22, 31), (23, 31), (23, 30), (23, 29), (22, 27), (23, 27), (18, 25), (17, 25), (22, 25), (23, 25), (24, 25), (25, 25), (16, 17), (15, 17), (14, 17), (13, 17), (13, 18), (13, 19), (13, 20), (13, 21), (13, 22), (13, 23), (12, 19), (11, 19), (11, 18), (11, 17), (11, 20), (11, 21), (11, 22), (11, 23), (11, 24), (11, 25), (10, 25), (9, 25), (10, 21), (9, 21), (9, 22), (9, 23), (8, 21), (7, 21), (7, 20), (7, 19), (7, 18), (7, 17), (8, 17), (9, 17), (7, 22), (7, 23), (7, 24), (7, 25), (7, 26), (7, 27), (6, 27), (5, 27), (4, 27), (3, 27), (3, 28), (3, 29), (3, 30), (3, 31), (3, 32), (3, 33), (3, 34), (3, 35), (2, 33), (1, 33), (1, 32), (1, 31), (1, 30), (1, 29), (1, 34), (1, 35), (1, 36), (1, 37), (2, 37), (3, 37), (3, 38), (3, 39), (3, 40), (3, 41), (3, 42), (3, 43), (2, 43), (1, 43), (1, 42), (1, 41), (1, 40), (1, 39), (1, 44), (1, 45), (2, 45), (3, 45), (3, 46), (3, 47), (3, 48), (3, 49), (3, 50), (3, 51), (3, 52), (3, 53), (2, 51), (1, 51), (1, 50), (1, 49), (1, 48), (1, 47), (1, 52), (1, 53), (4, 47), (5, 47), (5, 48), (5, 49), (5, 50), (5, 51), (5, 52), (5, 53), (5, 54), (5, 55), (5, 56), (5, 57), (5, 58), (5, 59), (4, 57), (3, 57), (3, 56), (3, 55), (3, 58), (3, 59), (2, 59), (1, 59), (1, 58), (1, 57), (1, 56), (1, 55), (6, 57), (7, 57), (7, 58), (7, 59), (8, 57), (9, 57), (9, 58), (9, 59), (10, 59), (11, 59), (10, 57), (11, 57), (11, 56), (11, 55), (10, 55), (9, 55), (6, 55), (7, 55), (6, 53), (7, 53), (8, 53), (9, 53), (6, 51), (7, 51), (6, 49), (7, 49), (8, 49), (9, 49), (10, 49), (11, 49), (6, 47), (7, 47), (8, 47), (9, 47), (9, 46), (9, 45), (10, 45), (11, 45), (10, 47), (11, 47), (4, 45), (5, 45), (6, 45), (7, 45), (7, 44), (7, 43), (7, 42), (7, 41), (7, 40), (7, 39), (7, 38), (7, 37), (8, 39), (9, 39), (6, 41), (5, 41), (5, 42), (5, 43), (8, 41), (9, 41), (9, 42), (9, 43), (10, 41), (11, 41), (11, 40), (11, 39), (11, 38), (11, 37), (4, 39), (5, 39), (5, 38), (5, 37), (4, 33), (5, 33), (5, 34), (5, 35), (6, 35), (7, 35), (8, 35), (9, 35), (9, 36), (9, 37), (10, 35), (11, 35), (4, 31), (5, 31), (5, 30), (5, 29), (6, 29), (7, 29), (6, 31), (7, 31), (8, 31), (9, 31), (9, 30), (9, 29), (9, 28), (9, 27), (10, 27), (11, 27), (12, 27), (13, 27), (14, 27), (15, 27), (15, 26), (15, 25), (14, 25), (13, 25), (15, 28), (15, 29), (14, 29), (13, 29), (9, 32), (9, 33), (8, 33), (7, 33), (2, 27), (1, 27), (6, 25), (5, 25), (6, 23), (5, 23), (5, 22), (5, 21), (5, 20), (5, 19), (5, 18), (5, 17), (4, 17), (3, 17), (4,

21), (3, 21), (3, 22), (3, 23), (2, 21), (1, 21), (1, 20), (1, 19), (1, 18), (1, 17), (2, 19), (3, 19), (1, 22), (1, 23), (1, 24), (1, 25), (2, 25), (3, 25), (10, 19), (9, 19), (16, 13), (17, 13), (16, 9), (17, 9), (17, 8), (17, 7), (17, 6), (17, 5), (16, 5), (15, 5), (18, 5), (19, 5), (19, 4), (19, 3), (18, 3), (17, 3), (17, 2), (17, 1), (16, 1), (15, 1), (14, 1), (13, 1), (12, 1), (11, 1), (10, 1), (9, 1), (9, 2), (9, 3), (8, 3), (7, 3), (7, 2), (7, 1), (6, 1), (5, 1), (18, 1), (19, 1), (20, 1), (21, 1), (22, 1), (23, 1), (23, 2), (23, 3), (23, 4), (23, 5), (22, 5), (21, 5), (21, 6), (21, 7), (22, 7), (23, 7), (24, 7), (25, 7), (25, 6), (25, 5), (26, 5), (27, 5), (27, 4), (27, 3), (28, 5), (29, 5), (30, 5), (31, 5), (31, 6), (31, 7), (32, 5), (33, 5), (33, 4), (33, 3), (33, 2), (33, 1), (32, 1), (31, 1), (32, 3), (31, 3), (30, 3), (29, 3), (29, 2), (29, 1), (28, 1), (27, 1), (34, 5), (35, 5), (35, 4), (35, 3), (35, 2), (35, 1), (36, 3), (37, 3), (37, 2), (37, 1), (38, 1), (39, 1), (40, 1), (41, 1), (41, 2), (41, 3), (40, 3), (39, 3), (39, 4), (39, 5), (40, 5), (41, 5), (41, 6), (41, 7), (42, 7), (43, 7), (42, 5), (43, 5), (43, 4), (43, 3), (43, 2), (43, 1), (44, 5), (45, 5), (45, 4), (45, 3), (45, 2), (45, 1), (46, 1), (47, 1), (46, 3), (47, 3), (45, 6), (45, 7), (46, 5), (47, 5), (36, 5), (37, 5), (37, 6), (37, 7), (37, 8), (37, 9), (37, 10), (37, 11), (37, 12), (37, 13), (37, 14), (37, 15), (37, 16), (37, 17), (38, 17), (39, 17), (39, 16), (39, 15), (39, 18), (39, 19), (38, 19), (37, 19), (37, 20), (37, 21), (37, 22), (37, 23), (37, 24), (37, 25), (37, 26), (37, 27), (37, 28), (37, 29), (37, 30), (37, 31), (37, 32), (37, 33), (37, 34), (37, 35), (36, 35), (35, 35), (35, 34), (35, 33), (35, 32), (35, 31), (34, 31), (33, 31), (33, 30), (33, 29), (32, 29), (31, 29), (34, 29), (35, 29), (35, 28), (35, 27), (35, 26), (35, 25), (34, 27), (33, 27), (33, 26), (33, 25), (33, 24), (33, 23), (32, 27), (31, 27), (35, 36), (35, 37), (35, 38), (35, 39), (34, 39), (33, 39), (32, 39), (31, 39), (31, 38), (31, 37), (30, 37), (29, 37), (29, 38), (29, 39), (28, 37), (27, 37), (31, 40), (31, 41), (30, 41), (29, 41), (34, 37), (33, 37), (33, 36), (33, 35), (32, 35), (31, 35), (30, 35), (29, 35), (29, 34), (29, 33), (29, 32), (29, 31), (28, 33), (27, 33), (26, 33), (25, 33), (24, 33), (23, 33), (22, 33), (21, 33), (21, 34), (21, 35), (20, 35), (19, 35), (18, 35), (17, 35), (17, 34), (17, 33), (16, 35), (15, 35), (15, 34), (15, 33), (15, 32), (15, 31), (16, 31), (17, 31), (18, 31), (19, 31), (19, 32), (19, 33), (15, 36), (15, 37), (14, 37), (13, 37), (13, 36), (13, 35), (13, 34), (13, 33), (12, 33), (11, 33), (11, 32), (11, 31), (11, 30), (11, 29), (12, 31), (13, 31), (16, 37), (17, 37), (17, 38), (17, 39), (16, 39), (15, 39), (18, 37), (19, 37), (19, 38), (19, 39), (20, 37), (21, 37), (22, 37), (23, 37), (24, 37), (25, 37), (25, 38), (25, 39), (25, 40), (25, 41), (25, 42), (25, 43), (25, 44), (25, 45), (25, 46), (25, 47), (24, 47), (23, 47), (22, 47), (21, 47), (21, 46), (21, 45), (20, 45), (19, 45), (19, 44), (19, 43), (18, 43), (17, 43), (17, 42), (17, 41), (16, 41), (15, 41), (15, 42), (15, 43), (14, 43), (13, 43), (13, 44), (13, 45), (14, 45), (15, 45), (15, 46), (15, 47), (15, 48), (15, 49), (14, 49), (13, 49), (13, 50), (13, 51), (13, 52), (13, 53), (13, 54), (13, 55), (14, 53), (15, 53), (15, 54), (15, 55), (16, 55), (17, 55), (17, 54), (17, 53), (17, 52), (17, 51), (17, 50), (17, 49), (18, 49), (19, 49), (19, 48), (19, 47), (16, 51), (15, 51), (18, 51), (19, 51), (20, 51), (21, 51), (21, 52), (21, 53), (20, 53), (19, 53), (22, 51), (23, 51), (24, 51), (25, 51), (25, 50), (25, 49), (26, 49), (27, 49), (17, 56), (17, 57), (17, 58), (17, 59), (18, 59), (19, 59), (16, 57), (15, 57), (15, 58), (15, 59), (14, 59), (13, 59), (14, 57), (13, 57), (18, 57), (19, 57), (18, 55), (19, 55), (20, 55), (21, 55), (21, 56), (21, 57), (21, 58), (21, 59), (22, 59), (23, 59), (24, 59), (25, 59), (26, 59), (27, 59), (27, 58), (27, 57), (26, 57), (25, 57), (28, 59), (29, 59), (29, 58), (29, 57), (22, 57), (23, 57), (22, 55), (23, 55), (24, 55), (25, 55), (26, 55), (27, 55), (28, 55), (29, 55), (29, 54), (29, 53), (28, 53), (27, 53), (27, 52), (27, 51), (26, 53), (25, 53), (24, 53), (23, 53), (30, 53), (31, 53), (31, 52), (31, 51), (30, 51), (29, 51), (29, 50), (29, 49), (29, 48), (29, 47), (28, 47), (27, 47), (27, 46), (27, 45), (27, 44), (27, 43), (27, 42), (27, 41), (30, 47), (31, 47), (31, 46), (31, 45), (30, 45), (29, 45), (29, 44), (29, 43), (30, 43), (31, 43), (32, 43), (33, 43), (33, 42), (33, 41), (33, 44), (33, 45), (34, 43), (35, 43), (35, 42), (35, 41), (35, 44), (35, 45), (36, 43), (37, 43), (37, 42), (37, 41), (38, 41), (39, 41), (39, 40), (39, 39), (38, 39), (37, 39), (39, 42), (39, 43), (40, 43), (41, 43), (42, 43), (43, 43), (43, 44), (43, 45), (42, 45), (41, 45), (41, 46), (41, 47), (41, 48), (41, 49), (41, 50), (41, 51), (41, 52), (41, 53), (41, 54), (41, 55), (40, 55), (39, 55), (40, 53), (39, 53), (42, 51), (43, 51), (43, 52), (43, 53), (43, 54), (43, 55), (43, 56), (43, 57), (44, 53), (45, 53), (45, 54), (45, 55), (46, 55), (47, 55), (47, 56), (47, 57), (46, 57), (45, 57), (48, 57), (49, 57), (48, 55), (49, 55), (50, 55), (51, 55), (51, 54), (51, 53), (51, 52), (51, 51), (50, 51), (49, 51), (49, 50), (49, 49), (50, 49), (51, 49), (51, 48), (51, 47), (50, 47), (49, 47), (52, 47), (53, 47), (52, 49), (53, 49), (49, 52), (49, 53), (48, 51), (47, 51), (47, 52), (47, 53), (52, 51), (53, 51), (54, 51), (55, 51), (55, 50), (55, 49), (56, 49), (57, 49), (57, 48), (57,

47), (56, 47), (55, 47), (57, 50), (57, 51), (57, 52), (57, 53), (57, 54), (57, 55), (58, 51), (59, 51), (59, 50), (59, 49), (59, 48), (59, 47), (59, 46), (59, 45), (58, 45), (57, 45), (57, 44), (57, 43), (58, 43), (59, 43), (56, 45), (55, 45), (52, 53), (53, 53), (54, 53), (55, 53), (55, 54), (55, 55), (55, 56), (55, 57), (55, 58), (55, 59), (54, 59), (53, 59), (56, 59), (57, 59), (57, 58), (57, 57), (58, 57), (59, 57), (59, 56), (59, 55), (59, 54), (59, 53), (59, 58), (59, 59), (59, 60)

- Tempo de Execução: 0.024694300023838878

#### Maze40:

- Busca por Largura:

- Caminho: (1, 0), (1, 1), (1, 2), (1, 3), (2, 3), (1, 4), (3, 3), (1, 5), (2, 5), (1, 6), (3, 5), (1, 7), (4, 5), (1, 8), (5, 5), (1, 9), (5, 6), (1, 10), (5, 7), (1, 11), (4, 7), (5, 8), (2, 11), (3, 7), (5, 9), (3, 11), (6, 9), (4, 9), (5, 10), (7, 9), (3, 9), (5, 11), (7, 8), (6, 11), (5, 12), (7, 7), (7, 11), (5, 13), (8, 7), (8, 11), (7, 12), (4, 13), (9, 7), (9, 11), (7, 13), (3, 13), (10, 7), (9, 8), (9, 12), (3, 14), (11, 7), (9, 9), (9, 13), (3, 15), (12, 7), (4, 15), (3, 16), (13, 7), (5, 15), (3, 17), (6, 15), (4, 17), (7, 15), (5, 17), (8, 15), (5, 18), (9, 15), (5, 19), (10, 15), (4, 19), (11, 15), (3, 19), (12, 15), (11, 16), (2, 19), (13, 15), (11, 17), (1, 19), (13, 16), (10, 17), (1, 18), (13, 17), (9, 17), (1, 17), (13, 18), (8, 17), (9, 18), (1, 16), (13, 19), (7, 17), (9, 19), (1, 15), (12, 19), (13, 20), (8, 19), (1, 14), (11, 19), (13, 21), (7, 19), (1, 13), (14, 21), (12, 21), (13, 22), (7, 20), (15, 21), (11, 21), (13, 23), (7, 21), (15, 20), (11, 22), (13, 24), (6, 21), (15, 19), (11, 23), (13, 25), (5, 21), (15, 18), (10, 23), (14, 25), (13, 26), (15, 17), (9, 23), (15, 25), (13, 27), (15, 16), (9, 24), (9, 22), (15, 24), (14, 27), (12, 27), (15, 15), (9, 25), (9, 21), (15, 23), (15, 27), (11, 27), (16, 15), (15, 14), (10, 25), (16, 27), (15, 28), (10, 27), (11, 28), (17, 15), (15, 13), (11, 25), (17, 27), (15, 29), (9, 27), (11, 29), (17, 16), (16, 13), (14, 13), (14, 29), (15, 30), (8, 27), (9, 28), (17, 17), (17, 13), (13, 13), (13, 29), (15, 31), (7, 27), (9, 29), (18, 17), (17, 18), (18, 13), (12, 13), (13, 12), (14, 31), (7, 28), (19, 17), (17, 19), (19, 13), (11, 13), (13, 11), (13, 31), (7, 29), (20, 17), (19, 18), (11, 12), (14, 11), (13, 10), (7, 30), (21, 17), (19, 19), (11, 11), (15, 11), (13, 9), (7, 31), (21, 18), (21, 16), (19, 20), (11, 10), (16, 11), (14, 9), (8, 31), (21, 19), (21, 15), (19, 21), (11, 9), (17, 11), (15, 9), (9, 31), (21, 20), (20, 15), (17, 10), (10, 31), (21, 21), (19, 15), (17, 9), (11, 31), (22, 21), (21, 22), (18, 9), (23, 21), (21, 23), (19, 9), (23, 20), (22, 23), (20, 23), (21, 24), (19, 10), (19, 8), (23, 19), (23, 23), (19, 23), (21, 25), (19, 11), (19, 7), (23, 18), (18, 23), (19, 24), (22, 25), (21, 26), (20, 11), (20, 7), (19, 6), (23, 17), (17, 23), (19, 25), (23, 25), (21, 27), (21, 11), (21, 7), (19, 5), (24, 17), (23, 16), (17, 24), (17, 22), (22, 27), (20, 27), (21, 28), (22, 11), (21, 8), (21, 6), (18, 5), (19, 4), (25, 17), (23, 15), (17, 25), (17, 21), (23, 27), (19, 27), (21, 29), (23, 11), (21, 9), (21, 5), (17, 5), (19, 3), (26, 17), (25, 18), (24, 15), (24, 27), (19, 28), (22, 29), (23, 12), (17, 6), (18, 3), (19, 2), (27, 17), (25, 19), (25, 15), (25, 27), (19, 29), (23, 29), (23, 13), (17, 7), (17, 3), (19, 1), (28, 17), (27, 18), (25, 20), (26, 27), (25, 28), (18, 29), (23, 30), (22, 13), (16, 7), (16, 3), (17, 2), (20, 1), (29, 17), (27, 19), (25, 21), (27, 27), (25, 29), (17, 29), (23, 31), (21, 13), (15, 7), (15, 3), (17, 1), (21, 1), (29, 16), (28, 19), (26, 21), (25, 22), (28, 27), (26, 29), (17, 30), (24, 31), (14, 3), (15, 4), (21, 2), (29, 15), (29, 19), (27, 21), (25, 23), (29, 27), (27, 29), (17, 31), (25, 31), (13, 3), (15, 5), (21, 3), (30, 15), (28, 15), (29, 20), (27, 30), (18, 31), (25, 32), (13, 4), (22, 3), (31, 15), (27, 15), (29, 21), (27, 31), (19, 31), (25, 33), (13, 5), (23, 3), (31, 14), (20, 31), (19, 32), (26, 33), (12, 5), (24, 3), (23, 2), (31, 13), (21, 31), (19, 33), (27, 33), (11, 5), (25, 3), (23, 1), (32, 13), (30, 13), (31, 12), (21, 32), (27, 34), (10, 5), (11, 4), (26, 3), (25, 2), (33, 13), (29, 13), (31, 11), (21, 33), (27, 35), (9, 5), (11, 3), (27, 3), (25, 1), (33, 14), (33, 12), (29, 12), (31, 10), (22, 33), (21, 34), (11, 2), (33, 15), (33, 11), (29, 11), (31, 9), (23, 33), (21, 35), (11, 1), (33, 16), (28, 11), (29, 10), (32, 9), (22, 35), (21, 36), (12, 1), (10, 1), (33, 17), (27, 11), (29, 9), (33, 9), (23, 35), (21, 37), (13, 1), (9, 1), (32, 17), (33, 18), (26, 11), (27, 12), (28, 9), (29, 8), (33, 8), (24, 35), (22, 37), (14, 1), (8, 1), (9, 2), (31, 17), (33, 19), (25, 11), (27, 13), (27, 9), (29, 7), (33, 7), (25, 35), (23, 37), (15, 1), (7, 1), (9, 3), (32, 19), (33, 20), (25, 12), (26, 9), (28, 7), (32, 7), (24, 37), (23, 38), (6, 1), (7, 2), (31, 19), (33, 21), (25, 13), (25, 9), (27, 7), (31,

7), (25, 37), (23, 39), (5, 1), (7, 3), (31, 20), (34, 21), (27, 6), (31, 6), (4, 1), (5, 2), (7, 4), (31, 21), (35, 21), (27, 5), (31, 5), (3, 1), (5, 3), (7, 5), (31, 22), (35, 22), (26, 5), (30, 5), (31, 23), (35, 23), (25, 5), (29, 5), (32, 23), (24, 5), (33, 23), (23, 5), (33, 24), (23, 6), (33, 25), (23, 7), (34, 25), (32, 25), (33, 26), (24, 7), (23, 8), (35, 25), (31, 25), (33, 27), (25, 7), (23, 9), (36, 25), (35, 26), (30, 25), (33, 28), (37, 25), (35, 27), (29, 25), (33, 29), (37, 26), (37, 24), (28, 25), (29, 24), (32, 29), (37, 27), (37, 23), (27, 25), (29, 23), (31, 29), (37, 28), (38, 23), (37, 22), (26, 25), (28, 23), (30, 29), (31, 28), (37, 29), (39, 23), (37, 21), (25, 25), (27, 23), (29, 29), (31, 27), (36, 29), (40, 23), (39, 22), (37, 20), (35, 29), (41, 23), (39, 21), (37, 19), (35, 30), (42, 23), (41, 24), (39, 20), (36, 19), (37, 18), (35, 31), (43, 23), (41, 25), (39, 19), (35, 19), (37, 17), (34, 31), (43, 24), (43, 22), (40, 25), (41, 26), (40, 19), (39, 18), (37, 16), (33, 31), (43, 25), (43, 21), (39, 25), (41, 27), (41, 19), (39, 17), (37, 15), (44, 21), (40, 27), (41, 28), (42, 19), (41, 20), (41, 18), (39, 16), (36, 15), (45, 21), (39, 27), (41, 29), (43, 19), (41, 21), (41, 17), (39, 15), (35, 15), (45, 22), (45, 20), (41, 30), (40, 15), (35, 16), (45, 23), (45, 19), (41, 31), (41, 15), (35, 17), (42, 31), (42, 15), (41, 14), (43, 31), (43, 15), (41, 13), (43, 32), (43, 30), (44, 15), (43, 16), (43, 14), (41, 12), (43, 33), (43, 29), (45, 15), (43, 17), (43, 13), (41, 11), (43, 28), (46, 15), (45, 16), (45, 14), (40, 11), (43, 27), (47, 15), (45, 17), (45, 13), (39, 11), (44, 27), (46, 17), (46, 13), (39, 12), (45, 27), (47, 17), (47, 13), (39, 13), (45, 28), (45, 26), (47, 18), (48, 13), (38, 13), (45, 29), (45, 25), (47, 19), (49, 13), (37, 13), (46, 29), (50, 13), (49, 14), (37, 12), (47, 29), (51, 13), (49, 15), (37, 11), (47, 30), (51, 12), (50, 15), (49, 16), (37, 10), (47, 31), (51, 11), (51, 15), (49, 17), (37, 9), (47, 32), (52, 11), (50, 11), (52, 15), (50, 17), (38, 9), (36, 9), (37, 8), (47, 33), (53, 11), (49, 11), (53, 15), (51, 17), (39, 9), (35, 9), (37, 7), (48, 33), (46, 33), (54, 11), (53, 12), (53, 10), (49, 10), (54, 15), (53, 16), (35, 10), (35, 8), (38, 7), (37, 6), (49, 33), (45, 33), (55, 11), (53, 13), (53, 9), (49, 9), (55, 15), (53, 17), (35, 11), (35, 7), (39, 7), (37, 5), (49, 34), (45, 34), (45, 32), (55, 12), (50, 9), (55, 16), (53, 18), (35, 12), (39, 6), (49, 35), (45, 35), (45, 31), (55, 13), (51, 9), (55, 17), (53, 19), (35, 13), (39, 5), (50, 35), (48, 35), (51, 8), (55, 18), (40, 5), (51, 35), (47, 35), (51, 7), (55, 19), (41, 5), (51, 34), (52, 7), (56, 19), (41, 6), (51, 33), (53, 7), (57, 19), (41, 7), (52, 33), (51, 32), (58, 19), (57, 18), (42, 7), (53, 33), (51, 31), (59, 19), (57, 17), (43, 7), (54, 33), (53, 34), (52, 31), (50, 31), (51, 30), (59, 20), (58, 17), (57, 16), (44, 7), (43, 8), (43, 6), (55, 33), (53, 35), (53, 31), (49, 31), (51, 29), (59, 21), (59, 17), (57, 15), (45, 7), (43, 9), (43, 5), (56, 33), (53, 36), (53, 30), (50, 29), (51, 28), (60, 21), (58, 21), (46, 7), (45, 6), (44, 9), (42, 9), (43, 10), (43, 4), (57, 33), (53, 37), (53, 29), (49, 29), (51, 27), (61, 21), (57, 21), (47, 7), (45, 5), (45, 9), (41, 9), (43, 11), (43, 3), (58, 33), (57, 32), (54, 37), (52, 37), (54, 29), (53, 28), (50, 27), (51, 26), (61, 20), (48, 7), (47, 8), (47, 6), (45, 4), (45, 10), (42, 3), (43, 2), (59, 33), (57, 31), (55, 37), (51, 37), (55, 29), (53, 27), (49, 27), (51, 25), (61, 19), (49, 7), (47, 9), (47, 5), (45, 3), (45, 11), (41, 3), (43, 1), (58, 31), (56, 31), (57, 30), (55, 36), (51, 38), (55, 28), (48, 27), (51, 24), (62, 19), (61, 18), (49, 6), (47, 10), (46, 3), (40, 3), (41, 2), (44, 1), (59, 31), (55, 31), (57, 29), (55, 35), (51, 39), (55, 27), (47, 27), (51, 23), (63, 19), (61, 17), (49, 5), (47, 11), (47, 3), (39, 3), (41, 1), (45, 1), (60, 31), (59, 30), (52, 39), (50, 39), (47, 26), (51, 22), (64, 19), (63, 20), (63, 18), (61, 16), (50, 5), (49, 4), (38, 3), (46, 1), (61, 31), (59, 29), (53, 39), (49, 39), (47, 25), (51, 21), (65, 19), (63, 21), (63, 17), (61, 15), (51, 5), (49, 3), (37, 3), (47, 1), (54, 39), (53, 40), (48, 39), (49, 40), (49, 38), (48, 25), (47, 24), (52, 21), (50, 21), (51, 20), (66, 19), (65, 20), (64, 17), (63, 16), (60, 15), (51, 4), (49, 2), (37, 2), (55, 39), (53, 41), (47, 39), (49, 41), (49, 37), (49, 25), (47, 23), (53, 21), (49, 21), (51, 19), (67, 19), (65, 21), (65, 17), (63, 15), (59, 15), (51, 3), (49, 1), (37, 1), (56, 39), (54, 41), (52, 41), (47, 40), (47, 38), (47, 22), (54, 21), (49, 22), (50, 19), (66, 21), (65, 22), (66, 17), (64, 15), (59, 14), (38, 1), (36, 1), (57, 39), (55, 41), (51, 41), (47, 41), (47, 37), (47, 21), (55, 21), (49, 23), (49, 19), (67, 21), (65, 23), (67, 17), (65, 15), (59, 13), (39, 1), (35, 1), (57, 38), (55, 42), (46, 41), (47, 42), (67, 22), (64, 23), (68, 17), (66, 15), (65, 14), (60, 13), (58, 13), (59, 12), (34, 1), (35, 2), (57, 37), (55, 43), (45, 41), (47, 43), (67, 23), (63, 23), (69, 17), (67, 15), (65, 13), (61, 13), (57, 13), (59, 11), (33, 1), (35, 3), (57, 36), (56, 43), (54, 43), (45, 42), (47, 44), (63, 24), (69, 18), (66, 13), (65, 12), (62, 13), (57, 12), (60, 11), (32, 1), (33, 2), (35, 4), (57, 35), (57, 43), (53, 43), (45, 43), (47, 45), (63, 25), (69, 19), (67, 13), (65, 11), (63, 13), (57, 11), (61, 11), (31, 1), (33, 3), (35, 5), (57, 42), (52, 43), (53, 44), (44, 43), (48, 45), (64, 25), (63, 26), (62, 11), (30, 1), (33, 4), (57, 41), (51,



43), (53, 45), (43, 43), (49, 45), (65, 25), (63, 27), (63, 11), (29, 1), (33, 5), (50, 43), (51, 44), (53, 46), (42, 43), (43, 42), (49, 46), (66, 25), (63, 28), (63, 10), (28, 1), (29, 2), (49, 43), (51, 45), (53, 47), (41, 43), (43, 41), (49, 47), (67, 25), (63, 29), (63, 9), (27, 1), (29, 3), (53, 48), (41, 44), (42, 41), (49, 48), (67, 26), (62, 29), (62, 9), (30, 3), (53, 49), (41, 45), (41, 41), (49, 49), (67, 27), (61, 29), (61, 9), (31, 3), (54, 49), (52, 49), (42, 45), (40, 45), (41, 46), (41, 40), (68, 27), (66, 27), (67, 28), (61, 28), (60, 9), (61, 8), (55, 49), (51, 49), (43, 45), (39, 45), (41, 47), (41, 39), (69, 27), (65, 27), (67, 29), (61, 27), (59, 9), (61, 7), (55, 50), (55, 48), (51, 50), (51, 48), (40, 47), (41, 48), (42, 39), (69, 26), (65, 28), (68, 29), (67, 30), (61, 26), (58, 9), (59, 8), (55, 51), (55, 47), (51, 51), (51, 47), (39, 47), (41, 49), (43, 39), (69, 25), (65, 29), (69, 29), (67, 31), (61, 25), (57, 9), (59, 7), (55, 46), (52, 51), (38, 47), (44, 39), (43, 38), (70, 25), (69, 24), (69, 30), (66, 31), (67, 32), (60, 25), (61, 24), (57, 8), (59, 6), (55, 45), (53, 51), (37, 47), (45, 39), (43, 37), (71, 25), (69, 23), (69, 31), (65, 31), (67, 33), (59, 25), (61, 23), (57, 7), (59, 5), (53, 52), (36, 47), (37, 46), (44, 37), (42, 37), (43, 36), (71, 26), (70, 23), (69, 22), (69, 32), (64, 31), (65, 32), (59, 26), (59, 24), (57, 6), (60, 5), (53, 53), (35, 47), (37, 45), (45, 37), (41, 37), (43, 35), (71, 27), (71, 23), (69, 21), (69, 33), (63, 31), (65, 33), (59, 27), (59, 23), (57, 5), (61, 5), (52, 53), (34, 47), (35, 48), (37, 44), (41, 36), (71, 28), (71, 22), (64, 33), (65, 34), (58, 27), (58, 23), (56, 5), (57, 4), (51, 53), (33, 47), (35, 49), (37, 43), (41, 35), (71, 29), (71, 21), (63, 33), (65, 35), (57, 27), (57, 23), (55, 5), (57, 3), (33, 46), (34, 49), (38, 43), (41, 34), (72, 29), (71, 20), (64, 35), (65, 36), (57, 24), (55, 6), (55, 4), (33, 45), (33, 49), (39, 43), (41, 33), (73, 29), (71, 19), (63, 35), (65, 37), (57, 25), (55, 7), (55, 3), (34, 45), (32, 45), (32, 49), (39, 42), (40, 33), (74, 29), (73, 30), (73, 28), (71, 18), (62, 35), (56, 25), (55, 8), (54, 3), (35, 45), (31, 45), (31, 49), (39, 41), (39, 33), (75, 29), (73, 31), (73, 27), (71, 17), (61, 35), (55, 25), (55, 9), (53, 3), (30, 45), (31, 46), (38, 41), (39, 40), (39, 34), (75, 30), (72, 31), (73, 32), (74, 27), (73, 26), (72, 17), (71, 16), (61, 36), (61, 34), (54, 25), (55, 24), (53, 4), (53, 2), (29, 45), (31, 47), (37, 41), (39, 39), (39, 35), (75, 31), (71, 31), (73, 33), (75, 27), (73, 25), (73, 17), (71, 15), (61, 37), (61, 33), (53, 25), (55, 23), (53, 5), (53, 1), (28, 45), (37, 40), (39, 36), (76, 31), (74, 33), (73, 24), (73, 18), (72, 15), (70, 15), (71, 14), (62, 37), (60, 37), (61, 38), (53, 24), (54, 1), (52, 1), (27, 45), (37, 39), (39, 37), (77, 31), (75, 33), (73, 23), (73, 19), (73, 15), (69, 15), (71, 13), (63, 37), (59, 37), (61, 39), (53, 23), (55, 1), (51, 1), (27, 46), (27, 44), (75, 34), (73, 22), (74, 15), (73, 14), (69, 14), (71, 12), (63, 38), (59, 38), (59, 36), (56, 1), (27, 47), (27, 43), (75, 35), (73, 21), (75, 15), (73, 13), (69, 13), (71, 11), (63, 39), (59, 39), (59, 35), (57, 1), (28, 43), (26, 43), (74, 35), (75, 36), (74, 21), (75, 14), (70, 11), (64, 39), (63, 40), (59, 40), (58, 1), (29, 43), (25, 43), (73, 35), (75, 37), (75, 21), (75, 13), (69, 11), (65, 39), (63, 41), (59, 41), (59, 1), (30, 43), (29, 42), (25, 44), (72, 35), (74, 37), (76, 21), (75, 22), (75, 20), (75, 12), (68, 11), (69, 10), (65, 40), (59, 2), (31, 43), (29, 41), (25, 45), (71, 35), (73, 37), (77, 21), (75, 23), (75, 19), (75, 11), (67, 11), (69, 9), (65, 41), (59, 3), (32, 43), (31, 42), (28, 41), (29, 40), (24, 45), (25, 46), (70, 35), (71, 36), (71, 34), (78, 21), (77, 22), (75, 24), (76, 19), (76, 11), (74, 11), (75, 10), (68, 9), (66, 41), (65, 42), (33, 43), (31, 41), (27, 41), (29, 39), (23, 45), (25, 47), (69, 35), (71, 37), (71, 33), (79, 21), (77, 23), (75, 25), (77, 19), (77, 11), (73, 11), (75, 9), (67, 9), (67, 41), (65, 43), (34, 43), (26, 41), (30, 39), (23, 46), (25, 48), (69, 36), (79, 20), (78, 23), (78, 11), (77, 12), (77, 10), (74, 9), (66, 9), (67, 8), (68, 41), (67, 40), (66, 43), (64, 43), (65, 44), (35, 43), (25, 41), (31, 39), (23, 47), (25, 49), (69, 37), (79, 19), (79, 23), (79, 11), (77, 13), (77, 9), (73, 9), (65, 9), (67, 7), (69, 41), (67, 39), (67, 43), (63, 43), (65, 45), (24, 41), (25, 40), (32, 39), (22, 47), (26, 49), (24, 49), (69, 38), (79, 18), (79, 12), (79, 10), (72, 9), (73, 8), (65, 8), (70, 41), (69, 42), (67, 38), (62, 43), (65, 46), (23, 41), (25, 39), (33, 39), (21, 47), (27, 49), (23, 49), (69, 39), (79, 17), (79, 13), (79, 9), (71, 9), (73, 7), (65, 7), (71, 41), (69, 43), (67, 37), (61, 43), (65, 47), (22, 41), (23, 42), (26, 39), (33, 38), (21, 48), (21, 46), (28, 49), (27, 50), (23, 50), (78, 17), (79, 16), (72, 7), (73, 6), (64, 7), (65, 6), (72, 41), (67, 36), (60, 43), (61, 42), (66, 47), (65, 48), (21, 41), (23, 43), (27, 39), (33, 37), (21, 49), (21, 45), (29, 49), (27, 51), (23, 51), (77, 17), (79, 15), (71, 7), (73, 5), (63, 7), (65, 5), (73, 41), (67, 35), (59, 43), (61, 41), (67, 47), (65, 49), (20, 41), (27, 38), (34, 37), (32, 37), (33, 36), (29, 48), (28, 51), (27, 52), (24, 51), (22, 51), (23, 52), (76, 17), (78, 15), (70, 7), (64, 5), (65, 4), (73, 40), (68, 47), (66, 49), (64, 49), (19, 41), (27, 37), (35, 37), (31, 37), (33, 35), (29, 47), (29, 51), (27, 53), (25, 51), (21,

51), (23, 53), (75, 17), (77, 15), (69, 7), (63, 5), (65, 3), (73, 39), (69, 47), (67, 49), (63, 49), (18, 41), (19, 42), (19, 40), (28, 37), (36, 37), (35, 38), (31, 36), (34, 35), (29, 52), (20, 51), (24, 53), (22, 53), (23, 54), (69, 6), (64, 3), (65, 2), (72, 39), (69, 48), (67, 50), (62, 49), (63, 48), (17, 41), (19, 43), (19, 39), (29, 37), (37, 37), (35, 39), (31, 35), (35, 35), (29, 53), (19, 51), (25, 53), (21, 53), (23, 55), (69, 5), (63, 3), (65, 1), (71, 39), (69, 49), (67, 51), (61, 49), (63, 47), (17, 42), (20, 43), (20, 39), (19, 38), (35, 40), (31, 34), (36, 35), (35, 34), (30, 53), (29, 54), (19, 52), (23, 56), (70, 5), (69, 4), (62, 3), (64, 1), (70, 49), (67, 52), (60, 49), (63, 46), (17, 43), (21, 43), (21, 39), (19, 37), (35, 41), (31, 33), (37, 35), (35, 33), (31, 53), (29, 55), (19, 53), (23, 57), (71, 5), (69, 3), (61, 3), (63, 1), (71, 49), (67, 53), (59, 49), (63, 45), (16, 43), (17, 44), (19, 36), (34, 41), (32, 33), (30, 33), (31, 32), (36, 33), (31, 52), (30, 55), (29, 56), (19, 54), (24, 57), (23, 58), (70, 3), (61, 2), (72, 49), (71, 48), (66, 53), (67, 54), (59, 50), (62, 45), (15, 43), (17, 45), (19, 35), (33, 41), (33, 33), (29, 33), (31, 31), (37, 33), (31, 51), (31, 55), (29, 57), (19, 55), (25, 57), (23, 59), (71, 3), (61, 1), (73, 49), (71, 47), (65, 53), (67, 55), (59, 51), (61, 45), (18, 45), (16, 45), (18, 35), (29, 34), (30, 31), (37, 32), (32, 51), (28, 57), (29, 58), (20, 55), (18, 55), (19, 56), (25, 56), (24, 59), (72, 3), (71, 2), (74, 49), (73, 50), (73, 48), (71, 46), (64, 53), (68, 55), (66, 55), (67, 56), (60, 51), (58, 51), (60, 45), (61, 46), (19, 45), (15, 45), (17, 35), (29, 35), (29, 31), (37, 31), (33, 51), (27, 57), (29, 59), (21, 55), (17, 55), (19, 57), (25, 55), (25, 59), (73, 3), (71, 1), (75, 49), (73, 51), (73, 47), (71, 45), (63, 53), (69, 55), (65, 55), (67, 57), (61, 51), (57, 51), (59, 45), (61, 47), (19, 46), (14, 45), (15, 46), (16, 35), (17, 36), (17, 34), (38, 31), (34, 51), (29, 60), (21, 56), (16, 55), (19, 58), (26, 55), (26, 59), (74, 3), (73, 2), (70, 1), (75, 50), (75, 48), (72, 51), (73, 52), (72, 45), (70, 45), (62, 53), (63, 52), (69, 54), (68, 57), (67, 58), (57, 52), (57, 50), (58, 45), (19, 47), (13, 45), (15, 47), (15, 35), (17, 37), (17, 33), (39, 31), (35, 51), (29, 61), (21, 57), (15, 55), (19, 59), (27, 55), (27, 59), (75, 3), (73, 1), (69, 1), (75, 51), (75, 47), (71, 51), (73, 53), (73, 45), (69, 45), (61, 53), (63, 51), (69, 53), (69, 57), (67, 59), (57, 53), (57, 49), (57, 45), (18, 47), (12, 45), (14, 47), (14, 35), (16, 37), (17, 38), (16, 33), (39, 30), (30, 61), (28, 61), (14, 55), (15, 56), (15, 54), (20, 59), (18, 59), (19, 60), (75, 4), (75, 2), (68, 1), (72, 53), (74, 45), (73, 44), (68, 45), (64, 51), (69, 52), (70, 57), (68, 59), (66, 59), (57, 46), (17, 47), (11, 45), (13, 47), (13, 35), (15, 37), (17, 39), (15, 33), (39, 29), (31, 61), (27, 61), (13, 55), (15, 57), (15, 53), (21, 59), (17, 59), (19, 61), (75, 5), (75, 1), (67, 1), (71, 53), (75, 45), (73, 43), (67, 45), (65, 51), (69, 51), (71, 57), (69, 59), (65, 59), (57, 47), (11, 44), (12, 47), (13, 48), (12, 35), (15, 38), (14, 33), (32, 61), (31, 62), (26, 61), (27, 62), (12, 55), (16, 57), (16, 53), (14, 53), (19, 62), (75, 6), (67, 2), (71, 54), (74, 43), (72, 43), (70, 59), (64, 59), (58, 47), (11, 43), (11, 47), (13, 49), (11, 35), (15, 39), (13, 33), (33, 61), (31, 63), (25, 61), (27, 63), (11, 55), (17, 57), (17, 53), (13, 53), (19, 63), (75, 7), (67, 3), (71, 55), (75, 43), (71, 43), (71, 59), (63, 59), (59, 47), (12, 43), (10, 43), (14, 49), (12, 49), (13, 50), (11, 36), (11, 34), (14, 39), (15, 40), (33, 62), (33, 60), (30, 63), (24, 61), (25, 62), (10, 55), (11, 56), (20, 63), (76, 7), (67, 4), (72, 55), (76, 43), (75, 42), (72, 59), (71, 60), (63, 58), (13, 43), (9, 43), (15, 49), (11, 49), (13, 51), (11, 37), (11, 33), (13, 39), (15, 41), (33, 63), (33, 59), (29, 63), (23, 61), (25, 63), (9, 55), (11, 57), (21, 63), (77, 7), (67, 5), (73, 55), (77, 43), (75, 41), (73, 59), (71, 61), (63, 57), (13, 42), (8, 43), (16, 49), (15, 50), (10, 49), (12, 51), (11, 38), (13, 38), (34, 63), (33, 64), (34, 59), (32, 59), (33, 58), (23, 62), (25, 64), (9, 54), (12, 57), (21, 64), (21, 62), (78, 7), (77, 6), (78, 43), (77, 44), (77, 42), (73, 60), (73, 58), (71, 62), (64, 57), (63, 56), (13, 41), (7, 43), (17, 49), (15, 51), (9, 49), (11, 51), (11, 39), (13, 37), (35, 63), (33, 65), (35, 59), (31, 59), (33, 57), (23, 63), (25, 65), (9, 53), (13, 57), (21, 65), (21, 61), (79, 7), (77, 5), (79, 43), (77, 45), (77, 41), (73, 61), (73, 57), (71, 63), (65, 57), (63, 55), (18, 49), (16, 51), (10, 39), (36, 63), (32, 65), (36, 59), (35, 60), (31, 58), (34, 57), (33, 56), (23, 64), (10, 53), (8, 53), (9, 52), (13, 58), (21, 66), (79, 6), (77, 4), (79, 44), (77, 46), (78, 41), (74, 61), (73, 62), (62, 55), (19, 49), (17, 51), (9, 39), (37, 63), (31, 65), (37, 59), (35, 61), (31, 57), (35, 57), (33, 55), (23, 65), (11, 53), (7, 53), (9, 51), (13, 59), (21, 67), (79, 5), (77, 3), (79, 45), (77, 47), (79, 41), (75, 61), (73, 63), (61, 55), (8, 39), (9, 38), (38, 63), (38, 59), (36, 61), (35, 56), (23, 66), (7, 52), (14, 59), (12, 59), (13, 60), (20, 67), (79, 4), (77, 2), (78, 47), (77, 48), (79, 40), (74, 63), (60, 55), (7, 39), (9, 37), (39, 63), (39, 59), (37, 61), (35, 55), (23, 67), (7, 51), (15, 59), (11, 59), (13, 61), (19, 67), (79, 3), (77, 1), (79, 47), (77, 49), (79, 39), (75, 63), (59, 55), (6, 39), (39, 64), (39, 60), (36, 55), (35, 54), (6, 51),

(7, 50), (14, 61), (12, 61), (18, 67), (19, 66), (79, 2), (77, 50), (79, 38), (76, 63), (59, 56), (59, 54), (5, 39), (39, 65), (39, 61), (37, 55), (35, 53), (5, 51), (7, 49), (15, 61), (11, 61), (17, 67), (19, 65), (79, 1), (77, 51), (79, 37), (77, 63), (59, 57), (59, 53), (4, 39), (38, 65), (39, 66), (38, 55), (37, 56), (36, 53), (34, 53), (5, 52), (5, 50), (17, 68), (78, 51), (77, 52), (79, 36), (77, 64), (77, 62), (60, 57), (58, 57), (59, 58), (3, 39), (37, 65), (39, 67), (39, 55), (37, 57), (37, 53), (33, 53), (5, 53), (5, 49), (17, 69), (79, 51), (77, 53), (79, 35), (77, 65), (77, 61), (61, 57), (57, 57), (59, 59), (3, 40), (3, 38), (40, 67), (38, 67), (39, 56), (39, 54), (5, 54), (16, 69), (79, 50), (76, 53), (77, 54), (78, 35), (79, 34), (78, 65), (76, 65), (77, 66), (78, 61), (77, 60), (57, 56), (60, 59), (58, 59), (59, 60), (3, 41), (3, 37), (41, 67), (37, 67), (39, 57), (39, 53), (5, 55), (15, 69), (79, 49), (75, 53), (77, 55), (77, 35), (79, 33), (79, 65), (75, 65), (77, 67), (79, 61), (77, 59), (57, 55), (61, 59), (57, 59), (59, 61), (4, 41), (3, 42), (4, 37), (3, 36), (37, 68), (40, 57), (39, 52), (6, 55), (4, 55), (78, 55), (77, 36), (77, 34), (79, 32), (79, 66), (74, 65), (77, 68), (79, 62), (76, 59), (77, 58), (56, 55), (61, 60), (58, 61), (5, 41), (3, 43), (5, 37), (3, 35), (37, 69), (41, 57), (39, 51), (7, 55), (3, 55), (79, 55), (77, 37), (77, 33), (79, 31), (79, 67), (73, 65), (77, 69), (79, 63), (75, 59), (77, 57), (55, 55), (61, 61), (57, 61), (6, 41), (2, 43), (6, 37), (4, 35), (2, 35), (3, 34), (41, 58), (41, 56), (40, 51), (39, 50), (7, 56), (2, 55), (79, 56), (79, 54), (77, 38), (79, 30), (72, 65), (73, 66), (78, 69), (75, 58), (55, 56), (55, 54), (61, 62), (57, 62), (7, 41), (1, 43), (7, 37), (5, 35), (1, 35), (3, 33), (41, 59), (41, 55), (41, 51), (39, 49), (7, 57), (1, 55), (79, 57), (79, 53), (77, 39), (79, 29), (71, 65), (73, 67), (79, 69), (75, 57), (55, 57), (55, 53), (61, 63), (57, 63), (8, 41), (1, 44), (1, 42), (6, 35), (1, 36), (1, 34), (4, 33), (42, 59), (42, 51), (38, 49), (7, 58), (1, 54), (79, 58), (76, 39), (78, 29), (79, 28), (74, 67), (73, 68), (75, 56), (54, 57), (55, 58), (62, 63), (58, 63), (9, 41), (1, 45), (1, 41), (7, 35), (1, 37), (1, 33), (5, 33), (43, 59), (43, 51), (37, 49), (7, 59), (1, 53), (79, 59), (75, 39), (77, 29), (79, 27), (75, 67), (73, 69), (75, 55), (53, 57), (55, 59), (63, 63), (59, 63), (10, 41), (2, 45), (8, 35), (7, 34), (1, 38), (1, 32), (5, 32), (43, 58), (43, 50), (37, 50), (8, 59), (6, 59), (2, 53), (77, 28), (79, 26), (75, 68), (53, 56), (54, 59), (55, 60), (63, 64), (63, 62), (59, 64), (11, 41), (3, 45), (9, 35), (7, 33), (1, 39), (1, 31), (5, 31), (43, 57), (43, 49), (37, 51), (9, 59), (5, 59), (3, 53), (77, 27), (79, 25), (75, 69), (53, 55), (53, 59), (55, 61), (63, 65), (63, 61), (59, 65), (4, 45), (3, 46), (9, 34), (2, 31), (5, 30), (43, 56), (9, 60), (9, 58), (3, 52), (78, 25), (52, 55), (52, 59), (53, 60), (63, 66), (58, 65), (59, 66), (5, 45), (3, 47), (9, 33), (3, 31), (5, 29), (43, 55), (9, 61), (9, 57), (3, 51), (77, 25), (51, 55), (51, 59), (53, 61), (63, 67), (57, 65), (59, 67), (6, 45), (5, 44), (4, 47), (2, 47), (4, 29), (43, 54), (8, 61), (9, 62), (2, 51), (3, 50), (50, 59), (51, 60), (51, 58), (53, 62), (57, 66), (60, 67), (59, 68), (7, 45), (5, 43), (5, 47), (1, 47), (3, 29), (43, 53), (7, 61), (9, 63), (1, 51), (3, 49), (49, 59), (51, 61), (51, 57), (53, 63), (57, 67), (61, 67), (59, 69), (8, 45), (6, 47), (1, 48), (3, 28), (44, 53), (42, 53), (6, 61), (9, 64), (48, 59), (50, 57), (54, 63), (52, 63), (56, 67), (61, 66), (58, 69), (59, 70), (9, 45), (7, 47), (1, 49), (3, 27), (45, 53), (41, 53), (5, 61), (9, 65), (47, 59), (49, 57), (55, 63), (51, 63), (55, 67), (61, 65), (57, 69), (59, 71), (9, 46), (2, 27), (46, 53), (45, 54), (45, 52), (4, 61), (5, 62), (9, 66), (47, 60), (49, 56), (51, 64), (55, 68), (55, 66), (57, 70), (60, 71), (9, 47), (1, 27), (47, 53), (45, 55), (45, 51), (3, 61), (5, 63), (9, 67), (47, 61), (49, 55), (51, 65), (55, 69), (55, 65), (57, 71), (61, 71), (1, 28), (1, 26), (48, 53), (47, 52), (46, 55), (45, 50), (2, 61), (6, 63), (5, 64), (10, 67), (8, 67), (47, 62), (50, 65), (57, 72), (61, 70), (1, 29), (1, 25), (49, 53), (47, 51), (47, 55), (45, 49), (1, 61), (7, 63), (5, 65), (11, 67), (7, 67), (47, 63), (49, 65), (57, 73), (61, 69), (2, 25), (49, 52), (47, 56), (46, 49), (45, 48), (1, 62), (1, 60), (4, 65), (12, 67), (11, 68), (11, 66), (6, 67), (7, 66), (49, 66), (49, 64), (58, 73), (56, 73), (62, 69), (3, 25), (49, 51), (47, 57), (47, 49), (45, 47), (1, 63), (1, 59), (3, 65), (13, 67), (11, 69), (11, 65), (5, 67), (7, 65), (49, 67), (49, 63), (59, 73), (55, 73), (63, 69), (3, 24), (46, 57), (47, 48), (44, 47), (45, 46), (2, 63), (1, 64), (2, 59), (1, 58), (14, 67), (13, 68), (12, 65), (5, 68), (50, 67), (48, 67), (49, 62), (60, 73), (59, 74), (54, 73), (55, 72), (64, 69), (3, 23), (45, 57), (47, 47), (43, 47), (45, 45), (3, 63), (1, 65), (3, 59), (1, 57), (15, 67), (13, 69), (13, 65), (5, 69), (51, 67), (47, 67), (49, 61), (61, 73), (59, 75), (53, 73), (55, 71), (65, 69), (4, 23), (2, 23), (45, 58), (1, 66), (2, 57), (13, 70), (14, 65), (13, 64), (4, 69), (52, 67), (51, 68), (46, 67), (47, 68), (59, 76), (53, 74), (54, 71), (66, 69), (65, 70), (5, 23), (1, 23), (45, 59), (1, 67), (3, 57), (13, 71), (15, 65), (13, 63), (3, 69), (53, 67), (51, 69), (45, 67), (47, 69), (59, 77), (53, 75), (53, 71), (67, 69), (65, 71), (5, 24), (1, 22), (1, 68), (4, 57), (12, 71), (13, 72), (16, 65), (14, 63), (12, 63), (3,

70), (3, 68), (53, 66), (52, 69), (51, 70), (44, 67), (45, 66), (48, 69), (46, 69), (58, 77), (53, 76), (68, 69), (67, 68), (64, 71), (65, 72), (5, 25), (1, 21), (1, 69), (5, 57), (11, 71), (13, 73), (17, 65), (15, 63), (11, 63), (3, 71), (3, 67), (53, 65), (53, 69), (51, 71), (43, 67), (45, 65), (49, 69), (45, 69), (57, 77), (53, 77), (69, 69), (67, 67), (63, 71), (65, 73), (6, 25), (5, 26), (2, 21), (12, 73), (16, 63), (4, 71), (46, 65), (45, 64), (49, 70), (45, 70), (57, 76), (52, 77), (69, 70), (69, 68), (66, 73), (65, 74), (7, 25), (5, 27), (3, 21), (11, 73), (17, 63), (5, 71), (47, 65), (45, 63), (49, 71), (45, 71), (57, 75), (51, 77), (69, 71), (69, 67), (67, 73), (65, 75), (7, 24), (11, 74), (17, 62), (6, 71), (44, 63), (45, 62), (46, 71), (56, 75), (51, 78), (51, 76), (69, 72), (70, 67), (69, 66), (67, 74), (67, 72), (65, 76), (7, 23), (11, 75), (17, 61), (7, 71), (43, 63), (45, 61), (47, 71), (55, 75), (51, 79), (51, 75), (69, 73), (71, 67), (69, 65), (67, 75), (67, 71), (65, 77), (12, 75), (8, 71), (7, 70), (42, 63), (43, 64), (55, 76), (52, 79), (50, 75), (51, 74), (70, 73), (71, 68), (68, 65), (69, 64), (65, 78), (13, 75), (9, 71), (7, 69), (41, 63), (43, 65), (55, 77), (53, 79), (49, 75), (51, 73), (71, 73), (71, 69), (67, 65), (69, 63), (65, 79), (14, 75), (13, 76), (9, 70), (41, 62), (42, 65), (55, 78), (48, 75), (49, 76), (71, 74), (71, 72), (66, 65), (67, 64), (69, 62), (66, 79), (15, 75), (13, 77), (9, 69), (41, 61), (41, 65), (55, 79), (47, 75), (49, 77), (71, 75), (71, 71), (65, 65), (67, 63), (69, 61), (67, 79), (15, 76), (15, 74), (13, 78), (42, 61), (56, 79), (47, 76), (47, 74), (49, 78), (72, 75), (70, 75), (65, 66), (66, 63), (68, 61), (68, 79), (67, 78), (15, 77), (15, 73), (13, 79), (43, 61), (57, 79), (47, 77), (47, 73), (49, 79), (73, 75), (69, 75), (65, 67), (65, 63), (67, 61), (69, 79), (67, 77), (16, 73), (15, 72), (14, 79), (12, 79), (58, 79), (46, 77), (47, 78), (48, 73), (73, 76), (73, 74), (66, 61), (68, 77), (17, 73), (15, 71), (15, 79), (11, 79), (59, 79), (45, 77), (47, 79), (49, 73), (73, 77), (73, 73), (65, 61), (69, 77), (18, 73), (17, 74), (17, 72), (10, 79), (11, 78), (60, 79), (45, 78), (74, 77), (72, 77), (74, 73), (73, 72), (19, 73), (17, 75), (17, 71), (9, 79), (11, 77), (61, 79), (45, 79), (75, 77), (71, 77), (75, 73), (73, 71), (20, 73), (19, 74), (19, 72), (10, 77), (62, 79), (75, 78), (71, 78), (76, 73), (75, 72), (21, 73), (19, 75), (19, 71), (9, 77), (63, 79), (75, 79), (71, 79), (77, 73), (75, 71), (22, 73), (21, 74), (20, 71), (19, 70), (8, 77), (9, 76), (63, 78), (76, 79), (74, 79), (78, 73), (77, 74), (77, 72), (23, 73), (21, 75), (21, 71), (19, 69), (7, 77), (9, 75), (63, 77), (77, 79), (73, 79), (79, 73), (77, 75), (77, 71), (23, 72), (22, 75), (20, 69), (7, 78), (9, 74), (62, 77), (63, 76), (78, 79), (77, 78), (79, 72), (76, 75), (23, 71), (23, 75), (21, 69), (7, 79), (9, 73), (61, 77), (63, 75), (79, 79), (77, 77), (79, 71), (75, 75), (24, 71), (23, 70), (6, 79), (8, 73), (61, 76), (63, 74), (79, 80)

- Tempo de execução: 0.02071649800927844

- Busca por Profundidade:

- Caminho: (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (1, 7), (1, 8), (1, 9), (1, 10), (1, 11), (2, 11), (3, 11), (2, 5), (3, 5), (4, 5), (5, 5), (5, 6), (5, 7), (5, 8), (5, 9), (5, 10), (5, 11), (5, 12), (5, 13), (4, 13), (3, 13), (3, 14), (3, 15), (3, 16), (3, 17), (4, 17), (5, 17), (5, 18), (5, 19), (4, 19), (3, 19), (2, 19), (1, 19), (1, 18), (1, 17), (1, 16), (1, 15), (1, 14), (1, 13), (4, 15), (5, 15), (6, 15), (7, 15), (8, 15), (9, 15), (10, 15), (11, 15), (11, 16), (11, 17), (10, 17), (9, 17), (9, 18), (9, 19), (8, 19), (7, 19), (7, 20), (7, 21), (6, 21), (5, 21), (8, 17), (7, 17), (12, 15), (13, 15), (13, 16), (13, 17), (13, 18), (13, 19), (13, 20), (13, 21), (13, 22), (13, 23), (13, 24), (13, 25), (13, 26), (13, 27), (12, 27), (11, 27), (11, 28), (11, 29), (10, 27), (9, 27), (9, 28), (9, 29), (8, 27), (7, 27), (7, 28), (7, 29), (7, 30), (7, 31), (8, 31), (9, 31), (10, 31), (11, 31), (14, 27), (15, 27), (15, 28), (15, 29), (15, 30), (15, 31), (14, 31), (13, 31), (14, 29), (13, 29), (16, 27), (17, 27), (14, 25), (15, 25), (15, 24), (15, 23), (12, 21), (11, 21), (11, 22), (11, 23), (10, 23), (9, 23), (9, 22), (9, 21), (9, 24), (9, 25), (10, 25), (11, 25), (14, 21), (15, 21), (15, 20), (15, 19), (15, 18), (15, 17), (15, 16), (15, 15), (15, 14), (15, 13), (14, 13), (13, 13), (13, 12), (13, 11), (13, 10), (13, 9), (14, 9), (15, 9), (14, 11), (15, 11), (16, 11), (17, 11), (17, 10), (17, 9), (18, 9), (19, 9), (19, 8), (19, 7), (19, 6), (19, 5), (19, 4), (19, 3), (19, 2), (19, 1), (20, 1), (21, 1), (21, 2), (21, 3), (22, 3), (23, 3), (23, 2), (23, 1), (24, 3), (25, 3), (25, 2), (25, 1), (26, 3), (27, 3), (18, 3), (17, 3), (17, 2), (17, 1), (16, 3), (15, 3), (15, 4), (15, 5), (14, 3), (13, 3), (13, 4), (13, 5), (12, 5), (11, 5), (11, 4), (11, 3), (11, 2), (11, 1), (10, 1), (9, 1), (9, 2), (9, 3), (8, 1), (7, 1), (7, 2), (7, 3), (7, 4), (7, 5), (6, 1), (5, 1), (5, 2), (5, 3), (4, 1), (3, 1), (12, 1), (13, 1), (14, 1), (15, 1), (10, 5), (9, 5), (18, 5), (17, 5), (17, 6), (17, 7), (16, 7), (15, 7), (20, 7), (21, 7), (21, 6), (21, 5), (21, 8), (21, 9), (19, 10), (19, 11), (20, 11), (21, 11), (22, 11), (23, 11), (23, 12), (23, 13), (22, 13), (21, 13), (12, 13), (11, 13), (11, 12), (11, 11), (11, 10),

(11, 9), (16, 13), (17, 13), (18, 13), (19, 13), (16, 15), (17, 15), (17, 16), (17, 17), (17, 18), (17, 19), (18, 17), (19, 17), (19, 18), (19, 19), (19, 20), (19, 21), (20, 17), (21, 17), (21, 16), (21, 15), (20, 15), (19, 15), (21, 18), (21, 19), (21, 20), (21, 21), (21, 22), (21, 23), (21, 24), (21, 25), (21, 26), (21, 27), (21, 28), (21, 29), (22, 29), (23, 29), (23, 30), (23, 31), (24, 31), (25, 31), (25, 32), (25, 33), (26, 33), (27, 33), (27, 34), (27, 35), (20, 27), (19, 27), (19, 28), (19, 29), (18, 29), (17, 29), (17, 30), (17, 31), (18, 31), (19, 31), (19, 32), (19, 33), (20, 31), (21, 31), (21, 32), (21, 33), (21, 34), (21, 35), (21, 36), (21, 37), (22, 37), (23, 37), (23, 38), (23, 39), (24, 37), (25, 37), (22, 35), (23, 35), (24, 35), (25, 35), (22, 33), (23, 33), (22, 27), (23, 27), (24, 27), (25, 27), (25, 28), (25, 29), (26, 29), (27, 29), (27, 30), (27, 31), (26, 27), (27, 27), (28, 27), (29, 27), (22, 25), (23, 25), (20, 23), (19, 23), (19, 24), (19, 25), (18, 23), (17, 23), (17, 22), (17, 21), (17, 24), (17, 25), (22, 23), (23, 23), (22, 21), (23, 21), (23, 20), (23, 19), (23, 18), (23, 17), (23, 16), (23, 15), (24, 15), (25, 15), (24, 17), (25, 17), (25, 18), (25, 19), (25, 20), (25, 21), (25, 22), (25, 23), (26, 21), (27, 21), (26, 17), (27, 17), (27, 18), (27, 19), (28, 19), (29, 19), (29, 20), (29, 21), (28, 17), (29, 17), (29, 16), (29, 15), (28, 15), (27, 15), (30, 15), (31, 15), (31, 14), (31, 13), (31, 12), (31, 11), (31, 10), (31, 9), (32, 9), (33, 9), (33, 8), (33, 7), (32, 7), (31, 7), (31, 6), (31, 5), (30, 5), (29, 5), (30, 13), (29, 13), (29, 12), (29, 11), (29, 10), (29, 9), (29, 8), (29, 7), (28, 7), (27, 7), (27, 6), (27, 5), (26, 5), (25, 5), (24, 5), (23, 5), (23, 6), (23, 7), (23, 8), (23, 9), (24, 7), (25, 7), (28, 9), (27, 9), (26, 9), (25, 9), (28, 11), (27, 11), (27, 12), (27, 13), (26, 11), (25, 11), (25, 12), (25, 13), (32, 13), (33, 13), (33, 12), (33, 11), (33, 14), (33, 15), (33, 16), (33, 17), (33, 18), (33, 19), (33, 20), (33, 21), (34, 21), (35, 21), (35, 22), (35, 23), (32, 19), (31, 19), (31, 20), (31, 21), (31, 22), (31, 23), (32, 23), (33, 23), (33, 24), (33, 25), (33, 26), (33, 27), (33, 28), (33, 29), (32, 29), (31, 29), (31, 28), (31, 27), (30, 29), (29, 29), (32, 25), (31, 25), (30, 25), (29, 25), (29, 24), (29, 23), (28, 23), (27, 23), (28, 25), (27, 25), (26, 25), (25, 25), (34, 25), (35, 25), (35, 26), (35, 27), (36, 25), (37, 25), (37, 24), (37, 23), (37, 22), (37, 21), (37, 20), (37, 19), (37, 18), (37, 17), (37, 16), (37, 15), (36, 15), (35, 15), (35, 16), (35, 17), (36, 19), (35, 19), (38, 23), (39, 23), (39, 22), (39, 21), (39, 20), (39, 19), (39, 18), (39, 17), (39, 16), (39, 15), (40, 15), (41, 15), (41, 14), (41, 13), (41, 12), (41, 11), (40, 11), (39, 11), (39, 12), (39, 13), (38, 13), (37, 13), (37, 12), (37, 11), (37, 10), (37, 9), (37, 8), (37, 7), (37, 6), (37, 5), (38, 7), (39, 7), (39, 6), (39, 5), (40, 5), (41, 5), (41, 6), (41, 7), (42, 7), (43, 7), (43, 6), (43, 5), (43, 4), (43, 3), (43, 2), (43, 1), (44, 1), (45, 1), (46, 1), (47, 1), (42, 3), (41, 3), (41, 2), (41, 1), (40, 3), (39, 3), (38, 3), (37, 3), (37, 2), (37, 1), (36, 1), (35, 1), (35, 2), (35, 3), (35, 4), (35, 5), (34, 1), (33, 1), (33, 2), (33, 3), (33, 4), (33, 5), (32, 1), (31, 1), (30, 1), (29, 1), (29, 2), (29, 3), (30, 3), (31, 3), (28, 1), (27, 1), (38, 1), (39, 1), (43, 8), (43, 9), (43, 10), (43, 11), (42, 9), (41, 9), (44, 9), (45, 9), (45, 10), (45, 11), (44, 7), (45, 7), (45, 6), (45, 5), (45, 4), (45, 3), (46, 3), (47, 3), (46, 7), (47, 7), (47, 6), (47, 5), (47, 8), (47, 9), (47, 10), (47, 11), (48, 7), (49, 7), (49, 6), (49, 5), (49, 4), (49, 3), (49, 2), (49, 1), (50, 5), (51, 5), (51, 4), (51, 3), (36, 9), (35, 9), (35, 8), (35, 7), (35, 10), (35, 11), (35, 12), (35, 13), (38, 9), (39, 9), (42, 15), (43, 15), (43, 14), (43, 13), (43, 16), (43, 17), (44, 15), (45, 15), (45, 14), (45, 13), (46, 13), (47, 13), (48, 13), (49, 13), (49, 14), (49, 15), (49, 16), (49, 17), (50, 17), (51, 17), (50, 15), (51, 15), (52, 15), (53, 15), (53, 16), (53, 17), (53, 18), (53, 19), (54, 15), (55, 15), (55, 16), (55, 17), (55, 18), (55, 19), (56, 19), (57, 19), (57, 18), (57, 17), (57, 16), (57, 15), (58, 17), (59, 17), (58, 19), (59, 19), (59, 20), (59, 21), (58, 21), (57, 21), (60, 21), (61, 21), (61, 20), (61, 19), (61, 18), (61, 17), (61, 16), (61, 15), (60, 15), (59, 15), (59, 14), (59, 13), (59, 12), (59, 11), (60, 11), (61, 11), (62, 11), (63, 11), (63, 10), (63, 9), (62, 9), (61, 9), (61, 8), (61, 7), (60, 9), (59, 9), (59, 8), (59, 7), (59, 6), (59, 5), (60, 5), (61, 5), (58, 9), (57, 9), (57, 8), (57, 7), (57, 6), (57, 5), (57, 4), (57, 3), (56, 5), (55, 5), (55, 4), (55, 3), (54, 3), (53, 3), (53, 2), (53, 1), (52, 1), (51, 1), (54, 1), (55, 1), (56, 1), (57, 1), (58, 1), (59, 1), (59, 2), (59, 3), (53, 4), (53, 5), (55, 6), (55, 7), (55, 8), (55, 9), (58, 13), (57, 13), (57, 12), (57, 11), (60, 13), (61, 13), (62, 13), (63, 13), (62, 19), (63, 19), (63, 18), (63, 17), (63, 16), (63, 15), (64, 15), (65, 15), (65, 14), (65, 13), (65, 12), (65, 11), (66, 13), (67, 13), (66, 15), (67, 15), (64, 17), (65, 17), (66, 17), (67, 17), (68, 17), (69, 17), (69, 18), (69, 19), (63, 20), (63, 21), (64, 19), (65, 19), (65, 20), (65, 21), (65, 22), (65, 23), (64, 23), (63, 23), (63, 24), (63, 25), (63, 26), (63, 27), (63, 28), (63, 29), (62, 29), (61, 29), (61, 28), (61, 27), (61, 26), (61, 25), (61, 24), (61, 23), (60, 25), (59, 25), (59, 24), (59, 23), (58, 23), (57, 23), (57, 24), (57, 25), (56, 25), (55, 25), (55, 24),

[illegible]

[illegible]

77), (68, 79), (69, 79), (66, 73), (67, 73), (67, 72), (67, 71), (67, 74), (67, 75), (64, 71), (63, 71), (66, 69), (67, 69), (67, 68), (67, 67), (68, 69), (69, 69), (69, 68), (69, 67), (69, 66), (69, 65), (69, 64), (69, 63), (69, 62), (69, 61), (68, 61), (67, 61), (66, 61), (65, 61), (68, 65), (67, 65), (67, 64), (67, 63), (66, 63), (65, 63), (66, 65), (65, 65), (65, 66), (65, 67), (70, 67), (71, 67), (71, 68), (71, 69), (69, 70), (69, 71), (69, 72), (69, 73), (70, 73), (71, 73), (71, 72), (71, 71), (71, 74), (71, 75), (70, 75), (69, 75), (72, 75), (73, 75), (73, 74), (73, 73), (73, 72), (73, 71), (74, 73), (75, 73), (75, 72), (75, 71), (76, 73), (77, 73), (77, 72), (77, 71), (77, 74), (77, 75), (76, 75), (75, 75), (78, 73), (79, 73), (79, 72), (79, 71), (73, 76), (73, 77), (72, 77), (71, 77), (71, 78), (71, 79), (74, 77), (75, 77), (75, 78), (75, 79), (74, 79), (73, 79), (76, 79), (77, 79), (77, 78), (77, 77), (78, 79), (79, 79), (79, 78), (79, 77), (79, 76), (79, 75), (79, 80)

- Tempo de Execução: 0.025220400071702898

Maze50:

- Busca por Largura:

- Caminho: (1, 0), (1, 1), (2, 1), (1, 2), (3, 1), (1, 3), (4, 1), (3, 2), (1, 4), (5, 1), (3, 3), (1, 5), (6, 1), (2, 5), (7, 1), (3, 5), (8, 1), (7, 2), (9, 1), (7, 3), (10, 1), (9, 2), (6, 3), (7, 4), (11, 1), (9, 3), (5, 3), (7, 5), (11, 2), (5, 4), (7, 6), (11, 3), (5, 5), (7, 7), (11, 4), (6, 7), (11, 5), (5, 7), (12, 5), (10, 5), (4, 7), (13, 5), (9, 5), (3, 7), (14, 5), (13, 6), (13, 4), (9, 6), (2, 7), (15, 5), (13, 7), (13, 3), (9, 7), (1, 7), (16, 5), (15, 6), (14, 3), (13, 2), (9, 8), (1, 8), (17, 5), (15, 7), (15, 3), (13, 1), (9, 9), (1, 9), (18, 5), (17, 6), (17, 4), (15, 2), (10, 9), (8, 9), (9, 10), (1, 10), (19, 5), (17, 7), (17, 3), (15, 1), (11, 9), (7, 9), (9, 11), (1, 11), (19, 6), (18, 3), (17, 2), (12, 9), (11, 10), (11, 8), (2, 11), (19, 7), (19, 3), (17, 1), (13, 9), (11, 11), (11, 7), (3, 11), (20, 3), (19, 2), (13, 10), (4, 11), (3, 10), (21, 3), (19, 1), (13, 11), (5, 11), (3, 9), (22, 3), (20, 1), (14, 11), (6, 11), (4, 9), (23, 3), (21, 1), (15, 11), (7, 11), (5, 9), (24, 3), (23, 4), (23, 2), (15, 12), (15, 10), (7, 12), (25, 3), (23, 5), (23, 1), (15, 13), (15, 9), (7, 13), (26, 3), (25, 4), (24, 1), (14, 13), (15, 14), (16, 9), (6, 13), (7, 14), (27, 3), (25, 5), (25, 1), (13, 13), (15, 15), (17, 9), (5, 13), (7, 15), (27, 4), (26, 1), (12, 13), (16, 15), (17, 10), (4, 13), (5, 14), (27, 5), (27, 1), (11, 13), (17, 15), (17, 11), (3, 13), (5, 15), (28, 5), (10, 13), (17, 12), (2, 13), (4, 15), (5, 16), (29, 5), (9, 13), (17, 13), (1, 13), (3, 15), (5, 17), (30, 5), (18, 13), (2, 15), (6, 17), (31, 5), (19, 13), (1, 15), (7, 17), (31, 6), (31, 4), (20, 13), (19, 14), (19, 12), (1, 16), (7, 18), (31, 7), (31, 3), (21, 13), (19, 15), (19, 11), (1, 17), (7, 19), (32, 7), (30, 7), (32, 3), (30, 3), (22, 13), (19, 16), (20, 11), (19, 10), (2, 17), (1, 18), (8, 19), (33, 7), (29, 7), (33, 3), (29, 3), (23, 13), (19, 17), (21, 11), (19, 9), (3, 17), (1, 19), (9, 19), (34, 7), (33, 8), (33, 6), (29, 8), (29, 2), (24, 13), (23, 14), (23, 12), (18, 17), (20, 9), (1, 20), (9, 18), (35, 7), (33, 9), (33, 5), (29, 9), (29, 1), (25, 13), (23, 15), (23, 11), (17, 17), (21, 9), (1, 21), (9, 17), (35, 8), (32, 9), (33, 10), (34, 5), (28, 9), (30, 1), (26, 13), (25, 14), (25, 12), (22, 15), (23, 16), (17, 18), (22, 9), (1, 22), (10, 17), (9, 16), (35, 9), (31, 9), (33, 11), (35, 5), (27, 9), (31, 1), (27, 13), (25, 15), (25, 11), (21, 15), (23, 17), (17, 19), (23, 9), (1, 23), (11, 17), (9, 15), (27, 8), (32, 1), (27, 14), (27, 12), (24, 17), (22, 17), (18, 19), (24, 9), (2, 23), (10, 15), (27, 7), (33, 1), (27, 15), (27, 11), (25, 17), (21, 17), (19, 19), (25, 9), (3, 23), (11, 15), (26, 7), (28, 15), (28, 11), (26, 17), (25, 18), (19, 20), (4, 23), (12, 15), (25, 7), (29, 15), (29, 11), (27, 17), (25, 19), (19, 21), (5, 23), (13, 15), (24, 7), (30, 11), (29, 12), (26, 19), (24, 19), (25, 20), (18, 21), (5, 24), (5, 22), (23, 7), (31, 11), (29, 13), (27, 19), (23, 19), (25, 21), (17, 21), (5, 25), (5, 21), (22, 7), (30, 13), (28, 19), (22, 19), (26, 21), (24, 21), (16, 21), (17, 22), (6, 25), (4, 25), (5, 26), (6, 21), (4, 21), (5, 20), (21, 7), (31, 13), (29, 19), (21, 19), (27, 21), (23, 21), (15, 21), (17, 23), (7, 25), (3, 25), (5, 27), (7, 21), (3, 21), (5, 19), (21, 6), (32, 13), (29, 20), (21, 20), (23, 22), (14, 21), (15, 20), (16, 23), (17, 24), (8, 25), (7, 24), (8, 21), (3, 20), (21, 5), (33, 13), (29, 21), (21, 21), (23, 23), (13, 21), (15, 19), (15, 23), (17, 25), (9, 25), (7, 23), (9, 21), (3, 19), (33, 14), (29, 22), (24, 23), (23, 24), (13, 20), (15, 24), (10, 25), (9, 26), (33, 15), (29, 23), (25, 23), (23, 25), (13, 19), (15, 25), (11, 25), (9, 27), (34, 15), (32, 15), (33, 16), (28, 23), (29, 24), (24, 25), (22, 25), (13, 18), (11, 24), (10, 27), (8, 27), (35, 15), (31, 15), (33, 17), (27, 23), (29, 25), (25, 25), (21, 25), (13, 17), (11, 23), (11, 27), (7, 27), (36, 15),



(32, 17), (33, 18), (27, 24), (30, 25), (29, 26), (25, 26), (20, 25), (21, 26), (21, 24), (14, 17), (12, 23), (10, 23), (11, 22), (12, 27), (7, 28), (37, 15), (31, 17), (33, 19), (27, 25), (31, 25), (29, 27), (25, 27), (19, 25), (21, 27), (21, 23), (15, 17), (13, 23), (9, 23), (11, 21), (13, 27), (7, 29), (38, 15), (37, 16), (37, 14), (30, 17), (32, 19), (33, 20), (32, 25), (31, 26), (28, 27), (29, 28), (25, 28), (22, 27), (20, 27), (21, 28), (20, 23), (11, 20), (13, 28), (13, 26), (8, 29), (39, 15), (37, 17), (37, 13), (29, 17), (31, 19), (33, 21), (33, 25), (31, 27), (27, 27), (29, 29), (25, 29), (23, 27), (19, 27), (21, 29), (19, 23), (11, 19), (13, 29), (13, 25), (9, 29), (38, 17), (36, 17), (37, 18), (38, 13), (36, 13), (34, 21), (33, 22), (33, 26), (31, 28), (26, 29), (24, 29), (20, 29), (10, 29), (39, 17), (35, 17), (37, 19), (39, 13), (35, 13), (35, 21), (33, 23), (33, 27), (31, 29), (27, 29), (23, 29), (19, 29), (11, 29), (35, 18), (40, 13), (35, 12), (36, 21), (34, 23), (32, 23), (32, 29), (27, 30), (23, 30), (18, 29), (19, 30), (35, 19), (41, 13), (35, 11), (37, 21), (35, 23), (31, 23), (33, 29), (27, 31), (23, 31), (17, 29), (19, 31), (42, 13), (36, 11), (38, 21), (37, 22), (35, 24), (31, 22), (33, 30), (27, 32), (24, 31), (22, 31), (16, 29), (17, 28), (43, 13), (37, 11), (39, 21), (37, 23), (35, 25), (31, 21), (33, 31), (27, 33), (25, 31), (21, 31), (15, 29), (17, 27), (44, 13), (43, 14), (40, 21), (39, 22), (39, 20), (37, 24), (34, 31), (32, 31), (28, 33), (26, 33), (21, 32), (15, 28), (45, 13), (43, 15), (41, 21), (39, 23), (39, 19), (37, 25), (35, 31), (31, 31), (29, 33), (25, 33), (21, 33), (15, 27), (45, 12), (42, 15), (40, 23), (39, 24), (35, 30), (30, 31), (22, 33), (21, 34), (45, 11), (41, 15), (41, 23), (39, 25), (35, 29), (29, 31), (23, 33), (21, 35), (44, 11), (41, 24), (22, 35), (43, 11), (41, 25), (23, 35), (42, 11), (43, 10), (42, 25), (24, 35), (23, 36), (41, 11), (43, 9), (43, 25), (25, 35), (23, 37), (40, 11), (44, 9), (43, 26), (25, 36), (39, 11), (45, 9), (43, 27), (25, 37), (39, 10), (46, 9), (44, 27), (42, 27), (43, 28), (39, 9), (47, 9), (45, 27), (41, 27), (43, 29), (40, 9), (38, 9), (48, 9), (47, 8), (45, 28), (41, 28), (43, 30), (41, 9), (37, 9), (49, 9), (47, 7), (45, 29), (41, 29), (43, 31), (37, 8), (49, 8), (40, 29), (44, 31), (42, 31), (43, 32), (37, 7), (49, 7), (39, 29), (45, 31), (41, 31), (43, 33), (38, 7), (37, 6), (50, 7), (39, 28), (40, 31), (41, 32), (43, 34), (39, 7), (37, 5), (51, 7), (39, 27), (39, 31), (41, 33), (43, 35), (39, 6), (52, 7), (51, 8), (38, 31), (41, 34), (43, 36), (39, 5), (53, 7), (51, 9), (37, 31), (41, 35), (43, 37), (40, 5), (39, 4), (53, 6), (52, 9), (37, 32), (37, 30), (42, 37), (43, 38), (41, 5), (39, 3), (53, 5), (53, 9), (37, 33), (37, 29), (41, 37), (43, 39), (42, 5), (38, 3), (54, 9), (53, 10), (38, 33), (36, 33), (37, 28), (40, 37), (43, 40), (43, 5), (37, 3), (55, 9), (53, 11), (39, 33), (35, 33), (37, 27), (39, 37), (43, 41), (44, 5), (43, 4), (36, 3), (37, 2), (56, 9), (55, 10), (55, 8), (52, 11), (39, 34), (34, 33), (36, 27), (42, 41), (45, 5), (43, 3), (35, 3), (37, 1), (57, 9), (55, 11), (55, 7), (51, 11), (39, 35), (33, 33), (35, 27), (41, 41), (46, 5), (45, 6), (42, 3), (38, 1), (36, 1), (58, 9), (56, 11), (55, 6), (50, 11), (38, 35), (32, 33), (40, 41), (41, 40), (47, 5), (45, 7), (41, 3), (39, 1), (35, 1), (59, 9), (57, 11), (55, 5), (49, 11), (37, 35), (31, 33), (39, 41), (41, 39), (48, 5), (47, 4), (44, 7), (40, 1), (60, 9), (58, 11), (48, 11), (49, 12), (36, 35), (38, 41), (40, 39), (49, 5), (47, 3), (43, 7), (41, 1), (61, 9), (59, 11), (47, 11), (49, 13), (35, 35), (37, 41), (39, 39), (50, 5), (49, 4), (46, 3), (47, 2), (42, 7), (42, 1), (62, 9), (61, 10), (48, 13), (34, 35), (36, 41), (51, 5), (49, 3), (45, 3), (47, 1), (41, 7), (43, 1), (63, 9), (61, 11), (47, 13), (33, 35), (35, 41), (49, 2), (45, 2), (64, 9), (63, 8), (47, 14), (32, 35), (33, 36), (34, 41), (35, 42), (49, 1), (45, 1), (65, 9), (63, 7), (47, 15), (31, 35), (33, 37), (33, 41), (35, 43), (50, 1), (66, 9), (63, 6), (46, 15), (30, 35), (32, 37), (32, 41), (33, 40), (34, 43), (35, 44), (51, 1), (67, 9), (63, 5), (45, 15), (29, 35), (31, 37), (31, 41), (33, 39), (33, 43), (35, 45), (51, 2), (67, 10), (67, 8), (62, 5), (63, 4), (29, 36), (31, 38), (34, 39), (32, 43), (33, 44), (36, 45), (51, 3), (67, 11), (67, 7), (61, 5), (63, 3), (29, 37), (31, 39), (35, 39), (31, 43), (33, 45), (37, 45), (52, 3), (68, 7), (66, 7), (60, 5), (61, 6), (63, 2), (28, 37), (30, 39), (35, 38), (38, 45), (37, 46), (37, 44), (53, 3), (69, 7), (65, 7), (59, 5), (61, 7), (63, 1), (27, 37), (29, 39), (35, 37), (39, 45), (37, 47), (37, 43), (54, 3), (53, 2), (70, 7), (58, 5), (59, 6), (59, 4), (64, 1), (27, 36), (28, 39), (36, 37), (39, 46), (55, 3), (53, 1), (71, 7), (57, 5), (59, 7), (59, 3), (65, 1), (27, 35), (27, 39), (37, 37), (39, 47), (55, 2), (71, 8), (71, 6), (58, 7), (60, 3), (37, 38), (55, 1), (71, 9), (71, 5), (57, 7), (61, 3), (37, 39), (56, 1), (72, 9), (71, 10), (61, 2), (57, 1), (73, 9), (71, 11), (61, 1), (58, 1), (57, 2), (74, 9), (70, 11), (71, 12), (59, 1), (57, 3), (75, 9), (69, 11), (71, 13), (76, 9), (69, 12), (69, 10), (72, 13), (77, 9), (69, 13), (69, 9), (73, 13), (78, 9), (77, 8), (68, 13), (69, 14), (79, 9), (77, 7), (67, 13), (69, 15), (76, 7), (77, 6), (66, 13), (70, 15), (69, 16), (75, 7), (77, 5), (65, 13), (71, 15), (69, 17), (74, 7), (76, 5), (77, 4), (65, 14), (65, 12), (69, 18), (73, 7), (75, 5), (77, 3), (65, 15), (65, 11), (69, 19), (73, 6), (78, 3), (77, 2),

(64, 11), (68, 19), (73, 5), (79, 3), (77, 1), (63, 11), (67, 19), (73, 4), (80, 3), (78, 1), (67, 18), (73, 3), (81, 3), (79, 1), (67, 17), (74, 3), (81, 2), (66, 17), (67, 16), (75, 3), (81, 1), (65, 17), (67, 15), (75, 2), (82, 1), (65, 18), (75, 1), (83, 1), (65, 19), (74, 1), (84, 1), (64, 19), (73, 1), (85, 1), (63, 19), (72, 1), (86, 1), (85, 2), (63, 20), (63, 18), (71, 1), (87, 1), (85, 3), (63, 21), (63, 17), (70, 1), (87, 2), (84, 3), (85, 4), (64, 21), (62, 21), (63, 16), (69, 1), (87, 3), (83, 3), (85, 5), (65, 21), (61, 21), (63, 15), (69, 2), (88, 3), (87, 4), (83, 4), (66, 21), (60, 21), (61, 20), (63, 14), (69, 3), (89, 3), (87, 5), (83, 5), (67, 21), (59, 21), (61, 19), (63, 13), (70, 3), (69, 4), (89, 2), (83, 6), (67, 22), (58, 21), (59, 22), (62, 13), (71, 3), (69, 5), (89, 1), (83, 7), (67, 23), (57, 21), (59, 23), (61, 13), (68, 5), (84, 7), (82, 7), (83, 8), (68, 23), (67, 24), (57, 22), (57, 20), (60, 23), (59, 24), (60, 13), (61, 14), (67, 5), (85, 7), (81, 7), (83, 9), (69, 23), (67, 25), (57, 23), (57, 19), (61, 23), (59, 25), (59, 13), (61, 15), (67, 4), (80, 7), (81, 6), (82, 9), (70, 23), (69, 22), (67, 26), (57, 24), (56, 19), (62, 23), (61, 24), (60, 15), (61, 16), (67, 3), (79, 7), (81, 5), (81, 9), (71, 23), (69, 21), (67, 27), (57, 25), (55, 19), (63, 23), (61, 25), (59, 15), (61, 17), (66, 3), (67, 2), (79, 6), (72, 23), (70, 21), (68, 27), (66, 27), (56, 25), (64, 23), (62, 25), (61, 26), (59, 16), (65, 3), (67, 1), (79, 5), (73, 23), (71, 21), (69, 27), (65, 27), (55, 25), (65, 23), (63, 25), (61, 27), (59, 17), (65, 4), (73, 24), (73, 22), (71, 20), (69, 26), (54, 25), (55, 24), (64, 25), (63, 26), (60, 27), (58, 17), (59, 18), (65, 5), (73, 25), (73, 21), (71, 19), (69, 25), (53, 25), (55, 23), (65, 25), (63, 27), (59, 27), (57, 17), (59, 19), (72, 19), (70, 25), (53, 26), (53, 24), (55, 22), (58, 27), (56, 17), (57, 16), (73, 19), (71, 25), (53, 27), (53, 23), (55, 21), (57, 27), (55, 17), (57, 15), (74, 19), (52, 23), (56, 27), (57, 28), (54, 17), (55, 16), (57, 14), (75, 19), (51, 23), (55, 27), (57, 29), (53, 17), (55, 15), (57, 13), (75, 20), (75, 18), (50, 23), (51, 22), (55, 28), (58, 29), (57, 30), (53, 18), (54, 15), (56, 13), (75, 21), (75, 17), (49, 23), (51, 21), (55, 29), (59, 29), (57, 31), (53, 19), (53, 15), (55, 13), (75, 22), (74, 17), (75, 16), (49, 24), (49, 22), (51, 20), (60, 29), (59, 30), (53, 20), (52, 15), (54, 13), (75, 23), (73, 17), (75, 15), (49, 25), (49, 21), (51, 19), (61, 29), (59, 31), (53, 21), (51, 15), (53, 13), (76, 23), (75, 24), (72, 17), (74, 15), (50, 25), (48, 25), (49, 20), (62, 29), (59, 32), (50, 15), (51, 16), (51, 14), (77, 23), (75, 25), (71, 17), (73, 15), (51, 25), (47, 25), (49, 19), (63, 29), (59, 33), (49, 15), (51, 17), (51, 13), (78, 23), (76, 25), (75, 26), (51, 26), (47, 24), (49, 18), (64, 29), (63, 30), (60, 33), (59, 34), (79, 23), (77, 25), (75, 27), (51, 27), (47, 23), (49, 17), (65, 29), (63, 31), (61, 33), (59, 35), (79, 24), (75, 28), (50, 27), (51, 28), (46, 23), (47, 22), (66, 29), (65, 30), (62, 31), (63, 32), (60, 35), (79, 25), (75, 29), (49, 27), (51, 29), (45, 23), (47, 21), (67, 29), (65, 31), (61, 31), (63, 33), (61, 35), (80, 25), (79, 26), (75, 30), (49, 28), (52, 29), (51, 30), (44, 23), (45, 24), (45, 22), (47, 20), (68, 29), (66, 31), (61, 36), (81, 25), (79, 27), (75, 31), (49, 29), (53, 29), (51, 31), (43, 23), (45, 25), (45, 21), (47, 19), (69, 29), (67, 31), (61, 37), (81, 24), (80, 27), (78, 27), (74, 31), (48, 29), (49, 30), (53, 30), (44, 21), (45, 20), (67, 32), (81, 23), (81, 27), (77, 27), (73, 31), (47, 29), (49, 31), (53, 31), (43, 21), (45, 19), (67, 33), (82, 23), (82, 27), (73, 32), (73, 30), (47, 30), (47, 28), (49, 32), (54, 31), (43, 20), (45, 18), (66, 33), (83, 23), (83, 27), (73, 33), (73, 29), (47, 31), (47, 27), (49, 33), (55, 31), (43, 19), (45, 17), (65, 33), (84, 23), (83, 26), (72, 33), (72, 29), (73, 28), (50, 33), (48, 33), (55, 32), (42, 19), (43, 18), (46, 17), (85, 23), (83, 25), (71, 33), (71, 29), (73, 27), (51, 33), (47, 33), (55, 33), (41, 19), (43, 17), (47, 17), (86, 23), (85, 22), (70, 33), (72, 27), (51, 34), (46, 33), (47, 34), (56, 33), (54, 33), (55, 34), (41, 18), (87, 23), (85, 21), (69, 33), (71, 27), (51, 35), (45, 33), (47, 35), (57, 33), (53, 33), (55, 35), (41, 17), (88, 23), (87, 24), (86, 21), (85, 20), (69, 34), (69, 32), (50, 35), (45, 34), (56, 35), (54, 35), (89, 23), (87, 25), (87, 21), (85, 19), (69, 35), (69, 31), (49, 35), (45, 35), (57, 35), (53, 35), (89, 22), (86, 25), (87, 26), (86, 19), (84, 19), (85, 18), (70, 31), (45, 36), (57, 36), (53, 36), (89, 21), (85, 25), (87, 27), (87, 19), (83, 19), (85, 17), (71, 31), (45, 37), (57, 37), (53, 37), (85, 26), (87, 28), (88, 19), (87, 18), (83, 20), (46, 37), (45, 38), (56, 37), (85, 27), (87, 29), (89, 19), (87, 17), (83, 21), (47, 37), (45, 39), (55, 37), (88, 29), (86, 29), (87, 30), (82, 21), (48, 37), (46, 39), (55, 38), (89, 29), (85, 29), (87, 31), (81, 21), (49, 37), (47, 39), (55, 39), (89, 30), (89, 28), (84, 29), (81, 20), (50, 37), (47, 40), (56, 39), (54, 39), (89, 31), (89, 27), (83, 29), (81, 19), (51, 37), (47, 41), (57, 39), (53, 39), (90, 31), (89, 26), (83, 30), (80, 19), (46, 41), (57, 40), (52, 39), (91, 31), (89, 25), (83, 31), (79, 19), (45, 41), (57, 41), (51, 39), (92, 31), (91, 32), (90, 25), (78, 19), (79, 20), (45, 42), (58, 41), (56, 41), (57, 42), (50, 39), (93, 31), (91, 33), (91, 25), (77, 19), (79, 21), (45, 43), (59, 41), (55, 41), (57, 43), (49, 39), (92, 33), (91, 24), (77,

18), (78, 21), (46, 43), (60, 41), (59, 40), (54, 41), (55, 42), (57, 44), (93, 33), (91, 23), (77, 17), (77, 21), (47, 43), (61, 41), (59, 39), (53, 41), (55, 43), (57, 45), (93, 34), (92, 23), (77, 16), (47, 44), (62, 41), (59, 38), (55, 44), (58, 45), (57, 46), (93, 35), (93, 23), (77, 15), (47, 45), (63, 41), (59, 37), (55, 45), (59, 45), (57, 47), (92, 35), (94, 23), (93, 24), (77, 14), (63, 40), (55, 46), (60, 45), (59, 44), (58, 47), (57, 48), (91, 35), (95, 23), (93, 25), (77, 13), (63, 39), (55, 47), (61, 45), (59, 43), (59, 47), (57, 49), (90, 35), (96, 23), (78, 13), (76, 13), (64, 39), (62, 39), (63, 38), (55, 48), (61, 46), (61, 44), (58, 49), (89, 35), (97, 23), (79, 13), (75, 13), (65, 39), (61, 39), (63, 37), (55, 49), (61, 47), (61, 43), (59, 49), (97, 24), (79, 14), (75, 12), (65, 40), (64, 37), (63, 36), (54, 49), (59, 50), (97, 25), (79, 15), (75, 11), (65, 41), (65, 37), (63, 35), (53, 49), (59, 51), (98, 25), (96, 25), (80, 15), (74, 11), (66, 41), (65, 42), (52, 49), (99, 25), (95, 25), (81, 15), (73, 11), (67, 41), (65, 43), (51, 49), (99, 24), (82, 15), (68, 41), (67, 42), (50, 49), (51, 50), (51, 48), (99, 23), (83, 15), (69, 41), (67, 43), (49, 49), (51, 51), (51, 47), (99, 22), (83, 16), (70, 41), (69, 42), (67, 44), (48, 49), (49, 50), (49, 48), (52, 51), (52, 47), (51, 46), (99, 21), (83, 17), (71, 41), (69, 43), (67, 45), (47, 49), (49, 51), (49, 47), (53, 51), (53, 47), (51, 45), (98, 21), (99, 20), (82, 17), (72, 41), (71, 40), (70, 43), (66, 45), (67, 46), (47, 50), (47, 48), (54, 51), (53, 52), (53, 46), (50, 45), (97, 21), (99, 19), (81, 17), (73, 41), (71, 39), (71, 43), (65, 45), (67, 47), (47, 51), (47, 47), (55, 51), (53, 53), (53, 45), (49, 45), (96, 21), (80, 17), (74, 41), (73, 40), (70, 39), (64, 45), (65, 46), (67, 48), (46, 51), (47, 52), (46, 47), (52, 53), (49, 44), (95, 21), (79, 17), (75, 41), (73, 39), (69, 39), (63, 45), (65, 47), (67, 49), (45, 51), (47, 53), (45, 47), (51, 53), (49, 43), (94, 21), (76, 41), (75, 42), (73, 38), (63, 44), (66, 49), (67, 50), (45, 48), (45, 46), (51, 54), (50, 43), (93, 21), (77, 41), (75, 43), (73, 37), (63, 43), (65, 49), (67, 51), (45, 49), (45, 45), (51, 55), (51, 43), (93, 20), (77, 40), (72, 37), (73, 36), (65, 50), (68, 51), (44, 49), (44, 45), (52, 55), (50, 55), (52, 43), (51, 42), (93, 19), (77, 39), (71, 37), (73, 35), (65, 51), (69, 51), (43, 49), (43, 45), (53, 55), (49, 55), (53, 43), (51, 41), (94, 19), (93, 18), (77, 38), (70, 37), (71, 36), (64, 51), (65, 52), (69, 50), (43, 50), (53, 56), (48, 55), (49, 56), (49, 54), (50, 41), (95, 19), (93, 17), (77, 37), (69, 37), (71, 35), (63, 51), (65, 53), (69, 49), (43, 51), (53, 57), (47, 55), (49, 57), (49, 53), (49, 41), (96, 19), (95, 18), (93, 16), (78, 37), (76, 37), (68, 37), (62, 51), (63, 50), (64, 53), (69, 48), (54, 57), (47, 56), (50, 57), (49, 58), (97, 19), (95, 17), (93, 15), (79, 37), (75, 37), (67, 37), (61, 51), (63, 49), (63, 53), (69, 47), (55, 57), (47, 57), (51, 57), (49, 59), (94, 15), (92, 15), (80, 37), (79, 36), (75, 38), (75, 36), (67, 38), (67, 36), (61, 52), (61, 50), (63, 48), (70, 47), (69, 46), (55, 58), (46, 57), (51, 58), (49, 60), (95, 15), (91, 15), (81, 37), (79, 35), (75, 39), (75, 35), (67, 39), (67, 35), (61, 53), (61, 49), (63, 47), (71, 47), (69, 45), (55, 59), (45, 57), (51, 59), (49, 61), (96, 15), (91, 16), (91, 14), (82, 37), (76, 35), (75, 34), (66, 35), (60, 53), (71, 46), (56, 59), (44, 57), (45, 56), (50, 61), (97, 15), (91, 17), (91, 13), (83, 37), (77, 35), (75, 33), (65, 35), (59, 53), (71, 45), (57, 59), (43, 57), (45, 55), (51, 61), (98, 15), (97, 16), (90, 17), (91, 18), (92, 13), (90, 13), (84, 37), (83, 36), (76, 33), (72, 45), (42, 57), (43, 58), (44, 55), (45, 54), (52, 61), (51, 62), (99, 15), (97, 17), (89, 17), (91, 19), (93, 13), (89, 13), (85, 37), (83, 35), (77, 33), (73, 45), (41, 57), (43, 59), (43, 55), (45, 53), (53, 61), (51, 63), (99, 14), (98, 17), (89, 16), (91, 20), (94, 13), (86, 37), (85, 38), (82, 35), (77, 32), (73, 44), (40, 57), (41, 58), (41, 56), (43, 60), (44, 53), (53, 60), (51, 64), (99, 13), (99, 17), (89, 15), (91, 21), (95, 13), (87, 37), (85, 39), (81, 35), (77, 31), (73, 43), (39, 57), (41, 59), (41, 55), (43, 61), (43, 53), (53, 59), (51, 65), (99, 12), (95, 12), (87, 38), (87, 36), (84, 39), (85, 40), (78, 31), (77, 30), (39, 56), (40, 59), (41, 60), (44, 61), (43, 62), (42, 53), (52, 65), (50, 65), (99, 11), (95, 11), (87, 39), (87, 35), (83, 39), (85, 41), (79, 31), (77, 29), (39, 55), (39, 59), (41, 61), (45, 61), (43, 63), (41, 53), (53, 65), (49, 65), (99, 10), (96, 11), (94, 11), (88, 39), (86, 35), (87, 34), (86, 41), (79, 32), (78, 29), (39, 60), (46, 61), (45, 60), (42, 63), (40, 53), (54, 65), (53, 66), (53, 64), (48, 65), (49, 66), (49, 64), (99, 9), (97, 11), (93, 11), (89, 39), (85, 35), (87, 33), (87, 41), (79, 33), (79, 29), (39, 61), (47, 61), (45, 59), (41, 63), (39, 53), (55, 65), (53, 67), (53, 63), (47, 65), (49, 67), (49, 63), (99, 8), (97, 12), (93, 10), (90, 39), (89, 40), (89, 38), (88, 33), (86, 33), (80, 33), (38, 61), (47, 60), (41, 64), (55, 66), (55, 64), (53, 68), (49, 68), (99, 7), (97, 13), (93, 9), (91, 39), (89, 41), (89, 37), (89, 33), (85, 33), (81, 33), (37, 61), (47, 59), (41, 65), (55, 67), (55, 63), (53, 69), (49, 69), (92, 9), (93, 8), (90, 41), (84, 33), (85, 32), (81, 32), (36, 61), (37, 62), (55, 62), (54, 69), (53, 70), (50, 69), (48, 69), (49, 70), (91, 9), (93, 7), (91, 41), (83, 33), (85, 31), (81, 31), (35, 61), (37, 63), (55,

61), (55, 69), (53, 71), (51, 69), (47, 69), (49, 71), (90, 9), (91, 10), (94, 7), (93, 6), (81, 30), (34, 61), (35, 60), (38, 63), (36, 63), (37, 64), (55, 70), (52, 71), (51, 68), (47, 68), (48, 71), (89, 9), (91, 11), (95, 7), (93, 5), (81, 29), (33, 61), (35, 59), (39, 63), (35, 63), (37, 65), (55, 71), (51, 71), (51, 67), (47, 67), (47, 71), (90, 11), (96, 7), (95, 8), (94, 5), (92, 5), (32, 61), (33, 60), (38, 65), (36, 65), (37, 66), (55, 72), (46, 67), (47, 72), (89, 11), (97, 7), (95, 9), (95, 5), (91, 5), (31, 61), (33, 59), (39, 65), (35, 65), (37, 67), (55, 73), (45, 67), (47, 73), (88, 11), (97, 8), (97, 6), (91, 6), (91, 4), (32, 59), (33, 58), (35, 66), (38, 67), (37, 68), (54, 73), (45, 66), (87, 11), (97, 9), (97, 5), (91, 7), (91, 3), (31, 59), (33, 57), (35, 67), (39, 67), (37, 69), (53, 73), (45, 65), (87, 12), (87, 10), (98, 5), (90, 7), (92, 3), (32, 57), (40, 67), (36, 69), (37, 70), (52, 73), (45, 64), (87, 13), (87, 9), (99, 5), (89, 7), (93, 3), (31, 57), (41, 67), (35, 69), (37, 71), (51, 73), (45, 63), (87, 14), (86, 9), (88, 7), (89, 6), (93, 2), (42, 67), (41, 68), (34, 69), (36, 71), (37, 72), (51, 74), (46, 63), (87, 15), (85, 9), (87, 7), (89, 5), (93, 1), (43, 67), (41, 69), (33, 69), (35, 71), (37, 73), (51, 75), (47, 63), (86, 15), (94, 1), (92, 1), (43, 68), (43, 66), (40, 69), (33, 70), (33, 68), (38, 73), (36, 73), (37, 74), (50, 75), (51, 76), (85, 15), (95, 1), (91, 1), (43, 69), (43, 65), (39, 69), (33, 71), (33, 67), (39, 73), (35, 73), (37, 75), (49, 75), (51, 77), (85, 14), (96, 1), (33, 72), (32, 67), (33, 66), (40, 73), (39, 72), (49, 74), (51, 78), (85, 13), (97, 1), (33, 73), (31, 67), (33, 65), (41, 73), (39, 71), (49, 73), (51, 79), (84, 13), (98, 1), (97, 2), (32, 73), (31, 68), (33, 64), (42, 73), (41, 74), (52, 79), (50, 79), (83, 13), (99, 1), (97, 3), (31, 73), (31, 69), (33, 63), (43, 73), (41, 75), (53, 79), (49, 79), (82, 13), (83, 12), (98, 3), (96, 3), (31, 70), (32, 63), (44, 73), (43, 74), (40, 75), (53, 80), (53, 78), (49, 80), (81, 13), (83, 11), (99, 3), (95, 3), (31, 71), (31, 63), (45, 73), (43, 75), (39, 75), (53, 81), (53, 77), (49, 81), (84, 11), (82, 11), (30, 71), (31, 64), (45, 72), (43, 76), (39, 76), (53, 82), (54, 77), (53, 76), (50, 81), (85, 11), (81, 11), (29, 71), (31, 65), (45, 71), (43, 77), (39, 77), (53, 83), (55, 77), (53, 75), (51, 81), (80, 11), (28, 71), (44, 71), (45, 70), (43, 78), (40, 77), (39, 78), (54, 83), (54, 75), (79, 11), (27, 71), (43, 71), (45, 69), (43, 79), (41, 77), (39, 79), (55, 83), (55, 75), (78, 11), (26, 71), (27, 70), (42, 71), (42, 79), (38, 79), (55, 84), (55, 82), (77, 11), (25, 71), (27, 69), (41, 71), (41, 79), (37, 79), (55, 85), (55, 81), (24, 71), (25, 72), (28, 69), (27, 68), (37, 78), (56, 85), (55, 80), (23, 71), (25, 73), (29, 69), (27, 67), (37, 77), (57, 85), (55, 79), (23, 70), (28, 67), (26, 67), (36, 77), (58, 85), (57, 86), (57, 84), (56, 79), (23, 69), (29, 67), (25, 67), (35, 77), (59, 85), (57, 87), (57, 83), (57, 79), (22, 69), (25, 68), (25, 66), (35, 78), (35, 76), (56, 87), (57, 88), (58, 83), (57, 80), (57, 78), (21, 69), (25, 69), (25, 65), (35, 79), (35, 75), (55, 87), (57, 89), (59, 83), (57, 81), (57, 77), (21, 70), (21, 68), (26, 65), (25, 64), (35, 80), (34, 75), (58, 89), (56, 89), (60, 83), (59, 82), (58, 77), (57, 76), (21, 71), (21, 67), (27, 65), (25, 63), (35, 81), (33, 75), (59, 89), (55, 89), (61, 83), (59, 81), (59, 77), (57, 75), (21, 72), (22, 67), (20, 67), (28, 65), (35, 82), (32, 75), (60, 89), (59, 90), (59, 88), (54, 89), (55, 90), (62, 83), (61, 84), (59, 80), (60, 77), (21, 73), (23, 67), (19, 67), (29, 65), (35, 83), (31, 75), (61, 89), (59, 91), (59, 87), (53, 89), (55, 91), (63, 83), (61, 85), (59, 79), (61, 77), (22, 73), (21, 74), (23, 66), (18, 67), (19, 66), (36, 83), (34, 83), (30, 75), (31, 76), (60, 91), (58, 91), (52, 89), (63, 82), (61, 86), (61, 76), (23, 73), (21, 75), (23, 65), (17, 67), (19, 65), (37, 83), (33, 83), (29, 75), (31, 77), (61, 91), (57, 91), (51, 89), (63, 81), (61, 87), (61, 75), (20, 75), (22, 65), (23, 64), (37, 84), (37, 82), (29, 74), (32, 77), (31, 78), (61, 92), (50, 89), (51, 88), (62, 75), (19, 75), (21, 65), (23, 63), (37, 85), (37, 81), (29, 73), (33, 77), (31, 79), (61, 93), (49, 89), (51, 87), (63, 75), (18, 75), (19, 76), (22, 63), (37, 86), (38, 81), (28, 73), (32, 79), (30, 79), (60, 93), (61, 94), (52, 87), (50, 87), (64, 75), (63, 76), (17, 75), (19, 77), (21, 63), (37, 87), (39, 81), (27, 73), (33, 79), (29, 79), (59, 93), (61, 95), (53, 87), (49, 87), (65, 75), (63, 77), (17, 76), (20, 77), (37, 88), (40, 81), (39, 82), (27, 74), (29, 80), (29, 78), (59, 94), (62, 95), (49, 86), (66, 75), (65, 74), (64, 77), (63, 78), (17, 77), (21, 77), (37, 89), (41, 81), (39, 83), (27, 75), (29, 81), (29, 77), (59, 95), (63, 95), (49, 85), (67, 75), (65, 73), (65, 77), (63, 79), (16, 77), (38, 89), (42, 81), (40, 83), (39, 84), (26, 75), (27, 76), (28, 81), (58, 95), (64, 95), (63, 96), (49, 84), (66, 73), (65, 72), (66, 77), (65, 78), (62, 79), (15, 77), (39, 89), (43, 81), (41, 83), (39, 85), (25, 75), (27, 77), (27, 81), (57, 95), (65, 95), (63, 97), (49, 83), (67, 73), (65, 71), (67, 77), (65, 79), (61, 79), (14, 77), (15, 76), (40, 89), (41, 84), (39, 86), (24, 75), (25, 76), (27, 82), (27, 80), (65, 94), (50, 83), (48, 83), (68, 73), (66, 71), (64, 71), (65, 70), (65, 80), (61, 80), (13, 77), (15, 75), (41, 89), (41, 85), (39, 87), (23, 75), (25, 77), (27, 83), (27, 79), (65, 93), (51, 83), (47, 83), (69, 73), (67,

71), (63, 71), (65, 69), (65, 81), (61, 81), (14, 75), (15, 74), (40, 87), (25, 78), (28, 83), (27, 84), (64, 93), (51, 84), (46, 83), (47, 84), (62, 71), (63, 72), (66, 69), (66, 81), (13, 75), (15, 73), (41, 87), (25, 79), (29, 83), (27, 85), (63, 93), (51, 85), (45, 83), (47, 85), (61, 71), (63, 73), (67, 69), (67, 81), (13, 74), (15, 72), (24, 79), (25, 80), (29, 84), (27, 86), (52, 85), (44, 83), (45, 82), (47, 86), (60, 71), (61, 72), (67, 68), (67, 80), (13, 73), (15, 71), (23, 79), (25, 81), (29, 85), (27, 87), (53, 85), (43, 83), (45, 81), (47, 87), (59, 71), (61, 73), (67, 67), (67, 79), (12, 73), (16, 71), (22, 79), (23, 80), (23, 78), (30, 85), (26, 87), (43, 84), (45, 80), (47, 88), (58, 71), (60, 73), (68, 67), (66, 67), (68, 79), (11, 73), (17, 71), (21, 79), (23, 81), (23, 77), (31, 85), (25, 87), (43, 85), (45, 79), (47, 89), (57, 71), (59, 73), (69, 67), (65, 67), (69, 79), (10, 73), (17, 72), (17, 70), (32, 85), (31, 86), (31, 84), (25, 88), (44, 85), (45, 78), (47, 90), (57, 70), (58, 73), (59, 74), (69, 68), (64, 67), (65, 66), (9, 73), (17, 73), (17, 69), (33, 85), (31, 87), (31, 83), (25, 89), (45, 85), (45, 77), (47, 91), (57, 69), (57, 73), (59, 75), (69, 69), (63, 67), (65, 65), (9, 74), (18, 73), (18, 69), (16, 69), (34, 85), (33, 86), (30, 87), (31, 82), (26, 89), (45, 86), (46, 77), (45, 76), (48, 91), (47, 92), (58, 69), (70, 69), (69, 70), (63, 68), (63, 66), (66, 65), (9, 75), (19, 73), (19, 69), (15, 69), (35, 85), (33, 87), (29, 87), (31, 81), (27, 89), (45, 87), (47, 77), (45, 75), (49, 91), (47, 93), (59, 69), (71, 69), (69, 71), (63, 69), (63, 65), (67, 65), (10, 75), (8, 75), (9, 76), (19, 70), (14, 69), (15, 68), (34, 87), (32, 81), (28, 89), (27, 90), (44, 87), (48, 77), (47, 78), (46, 75), (48, 93), (46, 93), (47, 94), (59, 68), (72, 69), (71, 70), (62, 69), (62, 65), (68, 65), (11, 75), (7, 75), (9, 77), (19, 71), (13, 69), (15, 67), (35, 87), (33, 81), (29, 89), (27, 91), (43, 87), (49, 77), (47, 79), (47, 75), (49, 93), (45, 93), (47, 95), (59, 67), (73, 69), (71, 71), (61, 69), (61, 65), (69, 65), (6, 75), (7, 76), (7, 74), (10, 77), (13, 70), (15, 66), (29, 90), (26, 91), (27, 92), (43, 88), (47, 80), (45, 92), (46, 95), (60, 67), (58, 67), (74, 69), (72, 71), (71, 72), (61, 64), (69, 64), (5, 75), (7, 77), (7, 73), (11, 77), (13, 71), (15, 65), (29, 91), (25, 91), (27, 93), (43, 89), (47, 81), (45, 91), (45, 95), (61, 67), (57, 67), (75, 69), (73, 71), (71, 73), (61, 63), (69, 63), (7, 78), (7, 72), (16, 65), (29, 92), (24, 91), (25, 92), (27, 94), (44, 89), (44, 91), (45, 96), (57, 66), (74, 71), (62, 63), (70, 63), (69, 62), (7, 79), (7, 71), (17, 65), (29, 93), (23, 91), (25, 93), (27, 95), (45, 89), (43, 91), (45, 97), (57, 65), (75, 71), (63, 63), (71, 63), (69, 61), (6, 79), (8, 71), (6, 71), (7, 70), (30, 93), (23, 90), (25, 94), (28, 95), (27, 96), (42, 91), (43, 92), (46, 97), (45, 98), (58, 65), (76, 71), (75, 72), (71, 64), (68, 61), (5, 79), (9, 71), (5, 71), (7, 69), (31, 93), (23, 89), (25, 95), (29, 95), (27, 97), (41, 91), (43, 93), (47, 97), (45, 99), (59, 65), (77, 71), (75, 73), (71, 65), (67, 61), (5, 80), (5, 78), (9, 70), (4, 71), (5, 72), (7, 68), (32, 93), (31, 94), (31, 92), (22, 89), (25, 96), (29, 96), (41, 92), (46, 99), (44, 99), (76, 73), (72, 65), (71, 66), (66, 61), (67, 62), (67, 60), (5, 81), (5, 77), (9, 69), (3, 71), (5, 73), (7, 67), (33, 93), (31, 95), (31, 91), (21, 89), (25, 97), (29, 97), (41, 93), (47, 99), (43, 99), (77, 73), (73, 65), (71, 67), (65, 61), (67, 63), (67, 59), (6, 81), (4, 77), (2, 71), (3, 72), (3, 70), (6, 67), (34, 93), (32, 91), (31, 90), (20, 89), (21, 90), (30, 97), (48, 99), (43, 98), (77, 74), (74, 65), (73, 66), (73, 64), (64, 61), (65, 60), (66, 63), (68, 59), (67, 58), (7, 81), (3, 77), (1, 71), (3, 73), (3, 69), (5, 67), (35, 93), (33, 91), (31, 89), (19, 89), (21, 91), (31, 97), (49, 99), (43, 97), (77, 75), (75, 65), (73, 67), (73, 63), (63, 61), (65, 59), (65, 63), (69, 59), (67, 57), (8, 81), (3, 78), (3, 76), (1, 72), (2, 69), (4, 67), (5, 68), (36, 93), (35, 92), (33, 90), (19, 90), (50, 99), (49, 98), (42, 97), (78, 75), (75, 66), (74, 63), (62, 61), (66, 57), (9, 81), (3, 79), (3, 75), (1, 73), (1, 69), (3, 67), (5, 69), (37, 93), (35, 91), (33, 89), (19, 91), (51, 99), (49, 97), (41, 97), (79, 75), (75, 67), (75, 63), (61, 61), (65, 57), (9, 82), (9, 80), (2, 79), (1, 74), (2, 67), (3, 66), (37, 94), (36, 91), (35, 90), (52, 99), (50, 97), (49, 96), (40, 97), (41, 96), (79, 76), (79, 74), (76, 67), (76, 63), (61, 60), (64, 57), (65, 56), (9, 83), (9, 79), (1, 79), (1, 75), (1, 67), (3, 65), (37, 95), (37, 91), (35, 89), (53, 99), (51, 97), (49, 95), (39, 97), (41, 95), (79, 77), (79, 73), (77, 67), (77, 63), (61, 59), (63, 57), (65, 55), (8, 83), (10, 79), (1, 80), (1, 78), (1, 66), (37, 96), (38, 91), (54, 99), (53, 98), (51, 96), (39, 98), (42, 95), (40, 95), (78, 77), (79, 78), (78, 63), (77, 64), (62, 59), (60, 59), (66, 55), (64, 55), (7, 83), (11, 79), (1, 81), (1, 77), (1, 65), (37, 97), (39, 91), (55, 99), (53, 97), (51, 95), (39, 99), (43, 95), (39, 95), (77, 77), (79, 79), (79, 63), (77, 65), (63, 59), (59, 59), (67, 55), (63, 55), (7, 84), (12, 79), (2, 81), (1, 64), (37, 98), (39, 92), (56, 99), (52, 95), (51, 94), (40, 99), (76, 77), (80, 79), (80, 63), (79, 64), (59, 60), (59, 58), (68, 55), (67, 54), (62, 55), (7, 85), (13, 79), (3, 81), (1, 63), (37, 99), (39, 93), (57, 99), (53, 95), (51, 93), (41, 99), (75, 77), (81, 79), (81, 63), (79, 65), (59, 61), (59, 57), (69,

55), (67, 53), (61, 55), (8, 85), (6, 85), (13, 80), (2, 63), (1, 62), (36, 99), (53, 94), (51, 92), (74, 77), (75, 78), (75, 76), (82, 79), (81, 80), (81, 78), (79, 66), (59, 62), (60, 57), (59, 56), (69, 56), (69, 54), (9, 85), (5, 85), (13, 81), (3, 63), (1, 61), (35, 99), (53, 93), (51, 91), (73, 77), (75, 79), (75, 75), (83, 79), (81, 81), (81, 77), (79, 67), (59, 63), (61, 57), (59, 55), (69, 57), (69, 53), (9, 86), (4, 85), (5, 86), (5, 84), (12, 81), (13, 82), (4, 63), (3, 62), (1, 60), (34, 99), (35, 98), (54, 93), (52, 91), (72, 77), (76, 79), (75, 80), (74, 75), (83, 80), (83, 78), (80, 81), (79, 68), (58, 63), (58, 55), (70, 57), (9, 87), (3, 85), (5, 87), (5, 83), (11, 81), (13, 83), (5, 63), (3, 61), (1, 59), (33, 99), (35, 97), (55, 93), (53, 91), (71, 77), (77, 79), (75, 81), (73, 75), (83, 81), (83, 77), (79, 81), (79, 69), (57, 63), (57, 55), (71, 57), (10, 87), (8, 87), (9, 88), (3, 84), (5, 88), (14, 83), (5, 64), (1, 58), (32, 99), (34, 97), (56, 93), (55, 94), (70, 77), (71, 78), (76, 81), (74, 81), (72, 75), (73, 74), (84, 81), (84, 77), (78, 69), (79, 70), (57, 62), (56, 55), (57, 56), (57, 54), (71, 58), (11, 87), (7, 87), (9, 89), (3, 83), (5, 89), (15, 83), (5, 65), (1, 57), (31, 99), (33, 97), (57, 93), (55, 95), (69, 77), (71, 79), (77, 81), (73, 81), (71, 75), (73, 73), (85, 81), (85, 77), (77, 69), (79, 71), (57, 61), (55, 55), (57, 57), (57, 53), (71, 59), (11, 88), (11, 86), (8, 89), (9, 90), (2, 83), (4, 89), (15, 82), (6, 65), (2, 57), (30, 99), (33, 96), (55, 96), (69, 76), (77, 82), (72, 81), (73, 80), (85, 82), (85, 80), (85, 76), (80, 71), (56, 53), (57, 52), (71, 60), (11, 89), (11, 85), (7, 89), (9, 91), (1, 83), (3, 89), (15, 81), (7, 65), (3, 57), (29, 99), (33, 95), (55, 97), (69, 75), (77, 83), (71, 81), (73, 79), (85, 83), (85, 79), (85, 75), (81, 71), (55, 53), (57, 51), (71, 61), (12, 85), (11, 84), (7, 90), (10, 91), (2, 89), (3, 90), (3, 88), (16, 81), (15, 80), (3, 56), (28, 99), (34, 95), (56, 97), (78, 83), (77, 84), (86, 83), (84, 83), (84, 75), (82, 71), (72, 61), (13, 85), (11, 83), (7, 91), (11, 91), (1, 89), (3, 91), (3, 87), (17, 81), (15, 79), (3, 55), (27, 99), (35, 95), (57, 97), (79, 83), (77, 85), (87, 83), (83, 83), (83, 75), (83, 71), (73, 61), (11, 92), (4, 91), (2, 91), (3, 92), (2, 87), (17, 82), (17, 80), (4, 55), (3, 54), (76, 85), (88, 83), (87, 84), (87, 82), (82, 83), (83, 84), (83, 74), (84, 71), (73, 60), (11, 93), (5, 91), (1, 91), (3, 93), (1, 87), (17, 83), (17, 79), (5, 55), (3, 53), (75, 85), (89, 83), (87, 85), (87, 81), (81, 83), (83, 85), (83, 73), (85, 71), (73, 59), (12, 93), (2, 93), (3, 94), (1, 86), (18, 83), (17, 84), (18, 79), (6, 55), (4, 53), (2, 53), (74, 85), (75, 84), (90, 83), (89, 84), (86, 85), (87, 86), (87, 80), (82, 85), (82, 73), (85, 70), (74, 59), (73, 58), (13, 93), (1, 93), (3, 95), (1, 85), (19, 83), (17, 85), (19, 79), (7, 55), (5, 53), (1, 53), (73, 85), (75, 83), (91, 83), (89, 85), (85, 85), (87, 87), (87, 79), (81, 85), (81, 73), (85, 69), (75, 59), (73, 57), (13, 94), (13, 92), (4, 95), (3, 96), (20, 83), (19, 84), (19, 82), (16, 85), (8, 55), (7, 56), (5, 52), (1, 54), (1, 52), (73, 86), (74, 83), (92, 83), (91, 84), (89, 86), (87, 88), (87, 78), (81, 86), (81, 74), (84, 69), (85, 68), (76, 59), (75, 60), (74, 57), (13, 95), (13, 91), (5, 95), (3, 97), (21, 83), (19, 85), (19, 81), (15, 85), (9, 55), (7, 57), (5, 51), (1, 55), (1, 51), (73, 87), (73, 83), (93, 83), (91, 85), (89, 87), (87, 89), (87, 77), (81, 87), (81, 75), (83, 69), (85, 67), (77, 59), (75, 61), (75, 57), (14, 95), (13, 90), (5, 94), (4, 97), (3, 98), (22, 83), (21, 82), (19, 86), (10, 55), (8, 57), (6, 57), (6, 51), (5, 50), (1, 50), (74, 87), (73, 88), (72, 83), (94, 83), (93, 84), (90, 87), (87, 90), (87, 76), (81, 88), (82, 69), (85, 66), (77, 60), (77, 58), (15, 95), (13, 89), (5, 93), (5, 97), (3, 99), (23, 83), (21, 81), (19, 87), (11, 55), (9, 57), (5, 57), (7, 51), (5, 49), (1, 49), (75, 87), (73, 89), (71, 83), (95, 83), (93, 85), (91, 87), (87, 91), (87, 75), (81, 89), (81, 69), (85, 65), (77, 61), (77, 57), (14, 89), (13, 88), (4, 99), (2, 99), (23, 84), (20, 87), (9, 58), (8, 51), (7, 52), (6, 49), (1, 48), (76, 87), (72, 89), (70, 83), (71, 84), (96, 83), (95, 82), (94, 85), (92, 87), (88, 91), (87, 92), (87, 74), (82, 89), (81, 90), (81, 68), (78, 61), (78, 57), (15, 89), (13, 87), (5, 99), (1, 99), (23, 85), (21, 87), (9, 59), (9, 51), (7, 53), (7, 49), (1, 47), (77, 87), (71, 89), (69, 83), (71, 85), (97, 83), (95, 81), (95, 85), (93, 87), (89, 91), (87, 93), (87, 73), (83, 89), (81, 91), (81, 67), (79, 61), (79, 57), (15, 90), (14, 87), (1, 98), (24, 85), (23, 86), (21, 86), (10, 59), (9, 60), (8, 53), (8, 49), (2, 47), (78, 87), (77, 88), (69, 82), (71, 86), (98, 83), (97, 84), (97, 82), (94, 81), (90, 91), (89, 90), (88, 93), (86, 93), (87, 94), (86, 73), (83, 90), (83, 88), (81, 66), (80, 61), (79, 60), (15, 91), (15, 87), (1, 97), (25, 85), (23, 87), (21, 85), (11, 59), (9, 61), (9, 53), (9, 49), (3, 47), (79, 87), (77, 89), (69, 81), (71, 87), (99, 83), (97, 85), (97, 81), (93, 81), (91, 91), (89, 89), (89, 93), (85, 93), (87, 95), (85, 73), (83, 91), (83, 87), (81, 65), (81, 61), (79, 59), (16, 91), (15, 92), (16, 87), (1, 96), (25, 84), (12, 59), (11, 58), (8, 61), (9, 62), (10, 53), (4, 47), (3, 48), (3, 46), (79, 86), (76, 89), (98, 85), (98, 81), (97, 80), (92, 81), (92, 91), (91, 92), (90, 89), (84, 93), (85, 94), (85, 92), (84, 87), (82, 65), (81, 60), (17, 91), (15, 93), (17, 87), (1, 95), (25, 83), (13, 59), (11,

57), (7, 61), (9, 63), (11, 53), (5, 47), (3, 49), (3, 45), (79, 85), (75, 89), (99, 85), (99, 81), (97, 79), (91, 81), (93, 91), (91, 93), (91, 89), (83, 93), (85, 95), (85, 91), (85, 87), (83, 65), (81, 59), (17, 92), (17, 90), (13, 60), (12, 57), (6, 61), (7, 62), (10, 63), (9, 64), (11, 52), (3, 50), (2, 45), (99, 86), (99, 80), (90, 81), (93, 92), (93, 90), (82, 93), (85, 96), (85, 90), (83, 66), (83, 64), (82, 59), (17, 93), (17, 89), (13, 61), (13, 57), (5, 61), (7, 63), (11, 63), (9, 65), (11, 51), (3, 51), (1, 45), (99, 87), (99, 79), (89, 81), (93, 93), (93, 89), (81, 93), (85, 97), (85, 89), (83, 67), (83, 63), (83, 59), (18, 93), (12, 61), (13, 62), (14, 57), (13, 56), (5, 60), (10, 65), (9, 66), (1, 44), (98, 87), (99, 78), (89, 80), (94, 89), (85, 98), (84, 63), (83, 60), (83, 58), (19, 93), (11, 61), (13, 63), (15, 57), (13, 55), (5, 59), (11, 65), (9, 67), (1, 43), (97, 87), (99, 77), (89, 79), (95, 89), (85, 99), (85, 63), (83, 61), (83, 57), (19, 94), (14, 63), (15, 56), (6, 59), (4, 59), (12, 65), (10, 67), (2, 43), (97, 88), (89, 78), (95, 88), (86, 99), (84, 99), (86, 63), (82, 57), (83, 56), (19, 95), (15, 63), (15, 55), (7, 59), (3, 59), (13, 65), (11, 67), (3, 43), (97, 89), (89, 77), (95, 87), (87, 99), (83, 99), (87, 63), (81, 57), (83, 55), (20, 95), (18, 95), (19, 96), (15, 62), (12, 67), (11, 68), (3, 42), (98, 89), (97, 90), (90, 77), (88, 99), (87, 98), (82, 99), (83, 98), (88, 63), (81, 56), (84, 55), (21, 95), (17, 95), (19, 97), (15, 61), (13, 67), (11, 69), (3, 41), (99, 89), (97, 91), (91, 77), (89, 99), (87, 97), (81, 99), (83, 97), (89, 63), (81, 55), (85, 55), (22, 95), (21, 96), (21, 94), (17, 96), (16, 61), (15, 60), (11, 70), (2, 41), (99, 90), (96, 91), (91, 78), (90, 99), (88, 97), (81, 98), (90, 63), (89, 64), (89, 62), (80, 55), (85, 56), (85, 54), (23, 95), (21, 97), (21, 93), (17, 97), (17, 61), (15, 59), (11, 71), (1, 41), (99, 91), (95, 91), (91, 79), (91, 99), (89, 97), (81, 97), (91, 63), (89, 65), (89, 61), (79, 55), (85, 57), (85, 53), (22, 93), (17, 98), (18, 61), (17, 62), (17, 60), (99, 92), (89, 96), (80, 97), (91, 64), (91, 62), (88, 65), (89, 66), (78, 55), (86, 57), (85, 52), (23, 93), (17, 99), (19, 61), (17, 63), (17, 59), (99, 93), (89, 95), (79, 97), (91, 65), (91, 61), (87, 65), (89, 67), (77, 55), (87, 57), (85, 51), (18, 99), (16, 99), (20, 61), (18, 63), (98, 93), (90, 95), (79, 98), (79, 96), (92, 65), (92, 61), (91, 60), (87, 66), (90, 67), (76, 55), (77, 54), (88, 57), (87, 58), (86, 51), (84, 51), (85, 50), (19, 99), (15, 99), (21, 61), (19, 63), (97, 93), (91, 95), (79, 99), (79, 95), (93, 65), (93, 61), (91, 59), (87, 67), (91, 67), (75, 55), (77, 53), (89, 57), (87, 59), (87, 51), (83, 51), (85, 49), (20, 99), (14, 99), (22, 61), (21, 60), (96, 93), (92, 95), (91, 96), (78, 99), (80, 95), (79, 94), (94, 61), (93, 62), (87, 68), (92, 67), (76, 53), (77, 52), (89, 58), (89, 56), (86, 59), (87, 60), (87, 52), (82, 51), (86, 49), (84, 49), (21, 99), (13, 99), (23, 61), (21, 59), (95, 93), (93, 95), (91, 97), (77, 99), (81, 95), (79, 93), (95, 61), (93, 63), (87, 69), (93, 67), (75, 53), (77, 51), (89, 59), (89, 55), (85, 59), (87, 61), (87, 53), (81, 51), (87, 49), (83, 49), (22, 99), (12, 99), (13, 98), (24, 61), (22, 59), (21, 58), (92, 97), (76, 99), (77, 98), (82, 95), (95, 60), (94, 63), (74, 53), (76, 51), (88, 55), (89, 54), (86, 61), (80, 51), (88, 49), (23, 99), (11, 99), (13, 97), (25, 61), (23, 59), (21, 57), (93, 97), (75, 99), (77, 97), (83, 95), (95, 59), (95, 63), (73, 53), (75, 51), (87, 55), (89, 53), (85, 61), (79, 51), (89, 49), (24, 99), (23, 98), (11, 98), (14, 97), (24, 59), (22, 57), (20, 57), (21, 56), (94, 97), (93, 98), (75, 98), (96, 63), (95, 64), (73, 54), (89, 52), (79, 52), (79, 50), (89, 48), (25, 99), (23, 97), (11, 97), (15, 97), (25, 59), (23, 57), (19, 57), (21, 55), (95, 97), (93, 99), (75, 97), (97, 63), (95, 65), (73, 55), (89, 51), (79, 53), (79, 49), (89, 47), (10, 97), (11, 96), (26, 59), (18, 57), (19, 58), (22, 55), (20, 55), (96, 97), (74, 97), (75, 96), (98, 63), (97, 62), (96, 65), (95, 66), (72, 55), (90, 51), (80, 53), (90, 47), (88, 47), (89, 46), (9, 97), (11, 95), (27, 59), (17, 57), (19, 59), (23, 55), (19, 55), (97, 97), (73, 97), (75, 95), (99, 63), (97, 61), (97, 65), (95, 67), (71, 55), (91, 51), (81, 53), (91, 47), (87, 47), (89, 45), (9, 98), (10, 95), (28, 59), (24, 55), (23, 54), (19, 54), (97, 96), (72, 97), (73, 96), (76, 95), (99, 64), (97, 60), (95, 68), (91, 52), (82, 53), (92, 47), (90, 45), (88, 45), (9, 99), (9, 95), (29, 59), (25, 55), (23, 53), (19, 53), (97, 95), (71, 97), (73, 95), (77, 95), (99, 65), (97, 59), (95, 69), (91, 53), (83, 53), (93, 47), (91, 45), (87, 45), (8, 99), (8, 95), (9, 94), (29, 60), (25, 56), (25, 54), (22, 53), (23, 52), (18, 53), (19, 52), (98, 95), (96, 95), (70, 97), (71, 98), (71, 96), (77, 94), (99, 66), (95, 70), (92, 53), (91, 54), (94, 47), (93, 48), (87, 44), (7, 99), (7, 95), (9, 93), (29, 61), (25, 57), (25, 53), (21, 53), (23, 51), (17, 53), (19, 51), (99, 95), (95, 95), (69, 97), (71, 99), (71, 95), (77, 93), (99, 67), (95, 71), (93, 53), (91, 55), (95, 47), (93, 49), (87, 43), (7, 96), (7, 94), (28, 61), (29, 62), (26, 57), (21, 52), (23, 50), (17, 54), (18, 51), (99, 96), (68, 97), (72, 99), (70, 95), (71, 94), (76, 93), (96, 71), (95, 72), (94, 53), (91, 56), (95, 46), (94, 49), (92, 49), (88, 43), (86, 43), (7, 97), (7, 93), (27, 61), (29, 63), (27, 57), (21, 51), (23, 49), (17, 55), (17, 51), (99, 97), (67, 97), (73,

99), (69, 95), (71, 93), (75, 93), (97, 71), (95, 73), (95, 53), (91, 57), (95, 45), (95, 49), (91, 49), (89, 43), (85, 43), (28, 63), (28, 57), (27, 56), (24, 49), (23, 48), (99, 98), (66, 97), (67, 98), (68, 95), (69, 94), (72, 93), (75, 92), (97, 72), (97, 70), (94, 73), (95, 74), (96, 53), (95, 54), (95, 52), (94, 45), (90, 43), (84, 43), (27, 63), (29, 57), (27, 55), (25, 49), (23, 47), (99, 99), (65, 97), (67, 99), (67, 95), (69, 93), (73, 93), (75, 91), (97, 73), (97, 69), (93, 73), (95, 75), (97, 53), (95, 55), (95, 51), (93, 45), (91, 43), (83, 43), (29, 56), (27, 54), (25, 50), (22, 47), (98, 99), (99, 100)

○ Tempo de execução: 0.029803037992678583

- Busca por Profundidade:

- Caminho: (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (2, 5), (3, 5), (2, 1), (3, 1), (3, 2), (3, 3), (4, 1), (5, 1), (6, 1), (7, 1), (7, 2), (7, 3), (7, 4), (7, 5), (7, 6), (7, 7), (6, 7), (5, 7), (4, 7), (3, 7), (2, 7), (1, 7), (1, 8), (1, 9), (1, 10), (1, 11), (2, 11), (3, 11), (3, 10), (3, 9), (4, 9), (5, 9), (4, 11), (5, 11), (6, 11), (7, 11), (7, 12), (7, 13), (7, 14), (7, 15), (6, 13), (5, 13), (5, 14), (5, 15), (5, 16), (5, 17), (6, 17), (7, 17), (7, 18), (7, 19), (8, 19), (9, 19), (9, 18), (9, 17), (9, 16), (9, 15), (10, 15), (11, 15), (12, 15), (13, 15), (10, 17), (11, 17), (4, 15), (3, 15), (2, 15), (1, 15), (1, 16), (1, 17), (1, 18), (1, 19), (1, 20), (1, 21), (1, 22), (1, 23), (2, 23), (3, 23), (4, 23), (5, 23), (5, 22), (5, 21), (5, 20), (5, 19), (4, 21), (3, 21), (3, 20), (3, 19), (6, 21), (7, 21), (8, 21), (9, 21), (5, 24), (5, 25), (5, 26), (5, 27), (4, 25), (3, 25), (6, 25), (7, 25), (7, 24), (7, 23), (8, 25), (9, 25), (9, 26), (9, 27), (8, 27), (7, 27), (7, 28), (7, 29), (8, 29), (9, 29), (10, 29), (11, 29), (10, 27), (11, 27), (12, 27), (13, 27), (13, 26), (13, 25), (13, 28), (13, 29), (10, 25), (11, 25), (11, 24), (11, 23), (11, 22), (11, 21), (11, 20), (11, 19), (10, 23), (9, 23), (12, 23), (13, 23), (2, 17), (3, 17), (4, 13), (3, 13), (2, 13), (1, 13), (6, 3), (5, 3), (5, 4), (5, 5), (8, 1), (9, 1), (9, 2), (9, 3), (10, 1), (11, 1), (11, 2), (11, 3), (11, 4), (11, 5), (10, 5), (9, 5), (9, 6), (9, 7), (9, 8), (9, 9), (9, 10), (9, 11), (8, 9), (7, 9), (10, 9), (11, 9), (11, 8), (11, 7), (11, 10), (11, 11), (12, 9), (13, 9), (13, 10), (13, 11), (14, 11), (15, 11), (15, 10), (15, 9), (16, 9), (17, 9), (17, 10), (17, 11), (17, 12), (17, 13), (18, 13), (19, 13), (19, 12), (19, 11), (19, 10), (19, 9), (20, 9), (21, 9), (22, 9), (23, 9), (24, 9), (25, 9), (20, 11), (21, 11), (19, 14), (19, 15), (19, 16), (19, 17), (18, 17), (17, 17), (17, 18), (17, 19), (18, 19), (19, 19), (19, 20), (19, 21), (18, 21), (17, 21), (17, 22), (17, 23), (17, 24), (17, 25), (16, 23), (15, 23), (15, 24), (15, 25), (16, 21), (15, 21), (15, 20), (15, 19), (14, 21), (13, 21), (13, 20), (13, 19), (13, 18), (13, 17), (14, 17), (15, 17), (20, 13), (21, 13), (22, 13), (23, 13), (23, 12), (23, 11), (23, 14), (23, 15), (23, 16), (23, 17), (22, 17), (21, 17), (24, 17), (25, 17), (25, 18), (25, 19), (25, 20), (25, 21), (24, 21), (23, 21), (23, 22), (23, 23), (23, 24), (23, 25), (22, 25), (21, 25), (21, 24), (21, 23), (20, 23), (19, 23), (21, 26), (21, 27), (21, 28), (21, 29), (20, 29), (19, 29), (19, 30), (19, 31), (18, 29), (17, 29), (17, 28), (17, 27), (16, 29), (15, 29), (15, 28), (15, 27), (20, 27), (19, 27), (22, 27), (23, 27), (20, 25), (19, 25), (24, 25), (25, 25), (25, 26), (25, 27), (25, 28), (25, 29), (24, 29), (23, 29), (23, 30), (23, 31), (22, 31), (21, 31), (21, 32), (21, 33), (21, 34), (21, 35), (22, 35), (23, 35), (23, 36), (23, 37), (24, 35), (25, 35), (25, 36), (25, 37), (22, 33), (23, 33), (24, 31), (25, 31), (26, 29), (27, 29), (27, 30), (27, 31), (27, 32), (27, 33), (26, 33), (25, 33), (28, 33), (29, 33), (24, 23), (25, 23), (26, 21), (27, 21), (24, 19), (23, 19), (22, 19), (21, 19), (21, 20), (21, 21), (26, 19), (27, 19), (28, 19), (29, 19), (29, 20), (29, 21), (29, 22), (29, 23), (29, 24), (29, 25), (29, 26), (29, 27), (29, 28), (29, 29), (28, 27), (27, 27), (30, 25), (31, 25), (31, 26), (31, 27), (31, 28), (31, 29), (32, 29), (33, 29), (33, 30), (33, 31), (32, 31), (31, 31), (30, 31), (29, 31), (34, 31), (35, 31), (35, 30), (35, 29), (32, 25), (33, 25), (33, 26), (33, 27), (28, 23), (27, 23), (27, 24), (27, 25), (26, 17), (27, 17), (22, 15), (21, 15), (24, 13), (25, 13), (25, 12), (25, 11), (25, 14), (25, 15), (26, 13), (27, 13), (27, 12), (27, 11), (28, 11), (29, 11), (29, 12), (29, 13), (30, 13), (31, 13), (32, 13), (33, 13), (33, 14), (33, 15), (33, 16), (33, 17), (33, 18), (33, 19), (33, 20), (33, 21), (33, 22), (33, 23), (32, 23), (31, 23), (31, 22), (31, 21), (34, 23), (35, 23), (35, 24), (35, 25), (34, 21), (35, 21), (36, 21), (37, 21), (37, 22), (37, 23), (37, 24), (37, 25), (38, 21), (39, 21), (39, 20), (39, 19), (39, 22), (39, 23), (39, 24), (39, 25), (40, 23), (41, 23), (41, 24), (41, 25), (42, 25), (43, 25), (43, 26), (43, 27), (43, 28), (43, 29), (43, 30), (43, 31), (43, 32), (43, 33), (43, 34), (43, 35), (43, 36), (43, 37), (43, 38), (43, 39), (43, 40), (43, 41), (42, 41), (41, 41), (41, 40), (41, 39), (40, 39), (39, 39), (40, 41), (39, 41), (38, 41), (37, 41), (36, 41), (35, 41), (35, 42), (35, 43), (35, 44), (35, 45), (36, 45), (37, 45), (37, 44), (37, 43), (37, 46), (37, 47), (38, 45), (39, 45), (39, 46), (39, 47), (34, 43), (33, 43), (33, 44), (33,



45), (32, 43), (31, 43), (34, 41), (33, 41), (33, 40), (33, 39), (34, 39), (35, 39), (35, 38), (35, 37), (36, 37), (37, 37), (37, 38), (37, 39), (32, 41), (31, 41), (42, 37), (41, 37), (40, 37), (39, 37), (42, 31), (41, 31), (41, 32), (41, 33), (41, 34), (41, 35), (40, 31), (39, 31), (38, 31), (37, 31), (37, 30), (37, 29), (37, 28), (37, 27), (36, 27), (35, 27), (37, 32), (37, 33), (36, 33), (35, 33), (34, 33), (33, 33), (32, 33), (31, 33), (38, 33), (39, 33), (39, 34), (39, 35), (38, 35), (37, 35), (36, 35), (35, 35), (34, 35), (33, 35), (33, 36), (33, 37), (32, 37), (31, 37), (31, 38), (31, 39), (30, 39), (29, 39), (28, 39), (27, 39), (32, 35), (31, 35), (30, 35), (29, 35), (29, 36), (29, 37), (28, 37), (27, 37), (27, 36), (27, 35), (44, 31), (45, 31), (42, 27), (41, 27), (41, 28), (41, 29), (40, 29), (39, 29), (39, 28), (39, 27), (44, 27), (45, 27), (45, 28), (45, 29), (40, 21), (41, 21), (32, 19), (31, 19), (32, 17), (31, 17), (30, 17), (29, 17), (32, 15), (31, 15), (34, 15), (35, 15), (36, 15), (37, 15), (37, 14), (37, 13), (36, 13), (35, 13), (35, 12), (35, 11), (36, 11), (37, 11), (38, 13), (39, 13), (40, 13), (41, 13), (42, 13), (43, 13), (43, 14), (43, 15), (42, 15), (41, 15), (44, 13), (45, 13), (45, 12), (45, 11), (44, 11), (43, 11), (43, 10), (43, 9), (44, 9), (45, 9), (46, 9), (47, 9), (47, 8), (47, 7), (48, 9), (49, 9), (49, 8), (49, 7), (50, 7), (51, 7), (51, 8), (51, 9), (52, 9), (53, 9), (53, 10), (53, 11), (52, 11), (51, 11), (50, 11), (49, 11), (49, 12), (49, 13), (48, 13), (47, 13), (47, 14), (47, 15), (46, 15), (45, 15), (48, 11), (47, 11), (54, 9), (55, 9), (55, 8), (55, 7), (55, 6), (55, 5), (55, 10), (55, 11), (56, 11), (57, 11), (58, 11), (59, 11), (56, 9), (57, 9), (58, 9), (59, 9), (60, 9), (61, 9), (61, 10), (61, 11), (62, 9), (63, 9), (63, 8), (63, 7), (63, 6), (63, 5), (63, 4), (63, 3), (63, 2), (63, 1), (64, 1), (65, 1), (62, 5), (61, 5), (61, 6), (61, 7), (60, 5), (59, 5), (59, 4), (59, 3), (60, 3), (61, 3), (61, 2), (61, 1), (59, 6), (59, 7), (58, 7), (57, 7), (58, 5), (57, 5), (64, 9), (65, 9), (66, 9), (67, 9), (67, 8), (67, 7), (66, 7), (65, 7), (68, 7), (69, 7), (70, 7), (71, 7), (71, 6), (71, 5), (71, 8), (71, 9), (71, 10), (71, 11), (71, 12), (71, 13), (72, 13), (73, 13), (70, 11), (69, 11), (69, 10), (69, 9), (69, 12), (69, 13), (69, 14), (69, 15), (69, 16), (69, 17), (69, 18), (69, 19), (68, 19), (67, 19), (67, 18), (67, 17), (67, 16), (67, 15), (66, 17), (65, 17), (65, 18), (65, 19), (64, 19), (63, 19), (63, 18), (63, 17), (63, 16), (63, 15), (63, 14), (63, 13), (62, 13), (61, 13), (61, 14), (61, 15), (61, 16), (61, 17), (60, 15), (59, 15), (59, 16), (59, 17), (59, 18), (59, 19), (58, 17), (57, 17), (57, 16), (57, 15), (57, 14), (57, 13), (56, 13), (55, 13), (54, 13), (53, 13), (56, 17), (55, 17), (55, 16), (55, 15), (54, 15), (53, 15), (52, 15), (51, 15), (51, 14), (51, 13), (51, 16), (51, 17), (50, 15), (49, 15), (54, 17), (53, 17), (53, 18), (53, 19), (53, 20), (53, 21), (60, 13), (59, 13), (63, 20), (63, 21), (62, 21), (61, 21), (61, 20), (61, 19), (60, 21), (59, 21), (59, 22), (59, 23), (59, 24), (59, 25), (60, 23), (61, 23), (61, 24), (61, 25), (61, 26), (61, 27), (60, 27), (59, 27), (58, 27), (57, 27), (57, 28), (57, 29), (57, 30), (57, 31), (58, 29), (59, 29), (59, 30), (59, 31), (59, 32), (59, 33), (59, 34), (59, 35), (60, 35), (61, 35), (61, 36), (61, 37), (60, 33), (61, 33), (60, 29), (61, 29), (62, 29), (63, 29), (63, 30), (63, 31), (63, 32), (63, 33), (62, 31), (61, 31), (64, 29), (65, 29), (65, 30), (65, 31), (66, 31), (67, 31), (67, 32), (67, 33), (66, 33), (65, 33), (66, 29), (67, 29), (68, 29), (69, 29), (56, 27), (55, 27), (55, 28), (55, 29), (62, 25), (63, 25), (63, 26), (63, 27), (64, 25), (65, 25), (62, 23), (63, 23), (64, 23), (65, 23), (58, 21), (57, 21), (57, 20), (57, 19), (56, 19), (55, 19), (57, 22), (57, 23), (57, 24), (57, 25), (56, 25), (55, 25), (55, 24), (55, 23), (55, 22), (55, 21), (54, 25), (53, 25), (53, 24), (53, 23), (52, 23), (51, 23), (51, 22), (51, 21), (51, 20), (51, 19), (50, 23), (49, 23), (49, 22), (49, 21), (49, 20), (49, 19), (49, 18), (49, 17), (49, 24), (49, 25), (48, 25), (47, 25), (47, 24), (47, 23), (47, 22), (47, 21), (47, 20), (47, 19), (46, 23), (45, 23), (45, 22), (45, 21), (45, 20), (45, 19), (45, 18), (45, 17), (46, 17), (47, 17), (44, 21), (43, 21), (43, 20), (43, 19), (43, 18), (43, 17), (42, 19), (41, 19), (41, 18), (41, 17), (45, 24), (45, 25), (44, 23), (43, 23), (50, 25), (51, 25), (51, 26), (51, 27), (51, 28), (51, 29), (51, 30), (51, 31), (52, 29), (53, 29), (53, 30), (53, 31), (54, 31), (55, 31), (55, 32), (55, 33), (55, 34), (55, 35), (54, 35), (53, 35), (53, 36), (53, 37), (56, 35), (57, 35), (57, 36), (57, 37), (56, 37), (55, 37), (55, 38), (55, 39), (54, 39), (53, 39), (52, 39), (51, 39), (50, 39), (49, 39), (56, 39), (57, 39), (57, 40), (57, 41), (57, 42), (57, 43), (57, 44), (57, 45), (57, 46), (57, 47), (57, 48), (57, 49), (58, 49), (59, 49), (59, 50), (59, 51), (58, 47), (59, 47), (58, 45), (59, 45), (59, 44), (59, 43), (60, 45), (61, 45), (61, 44), (61, 43), (61, 46), (61, 47), (56, 41), (55, 41), (55, 42), (55, 43), (55, 44), (55, 45), (55, 46), (55, 47), (55, 48), (55, 49), (54, 49), (53, 49), (52, 49), (51, 49), (51, 48), (51, 47), (51, 46), (51, 45), (50, 45), (49, 45), (49, 44), (49, 43), (50, 43), (51, 43), (51, 42), (51, 41), (50, 41), (49, 41), (52, 43), (53, 43), (52, 47), (53, 47), (53, 46), (53, 45), (51, 50), (51, 51), (52, 51), (53, 51), (53, 52), (53, 53), (52, 53), (51, 53), (51, 54), (51, 55), (50,

55), (49, 55), (49, 54), (49, 53), (49, 56), (49, 57), (49, 58), (49, 59), (49, 60), (49, 61), (50, 61), (51, 61), (51, 62), (51, 63), (51, 64), (51, 65), (50, 65), (49, 65), (49, 64), (49, 63), (49, 66), (49, 67), (49, 68), (49, 69), (49, 70), (49, 71), (48, 71), (47, 71), (47, 72), (47, 73), (48, 69), (47, 69), (47, 68), (47, 67), (46, 67), (45, 67), (45, 66), (45, 65), (45, 64), (45, 63), (46, 63), (47, 63), (50, 69), (51, 69), (51, 68), (51, 67), (48, 65), (47, 65), (52, 65), (53, 65), (53, 64), (53, 63), (53, 66), (53, 67), (53, 68), (53, 69), (53, 70), (53, 71), (52, 71), (51, 71), (54, 69), (55, 69), (55, 70), (55, 71), (55, 72), (55, 73), (54, 73), (53, 73), (52, 73), (51, 73), (51, 74), (51, 75), (51, 76), (51, 77), (51, 78), (51, 79), (50, 79), (49, 79), (49, 80), (49, 81), (50, 81), (51, 81), (52, 79), (53, 79), (53, 78), (53, 77), (53, 76), (53, 75), (54, 75), (55, 75), (54, 77), (55, 77), (53, 80), (53, 81), (53, 82), (53, 83), (54, 83), (55, 83), (55, 82), (55, 81), (55, 80), (55, 79), (56, 79), (57, 79), (57, 78), (57, 77), (57, 76), (57, 75), (58, 77), (59, 77), (60, 77), (61, 77), (61, 76), (61, 75), (62, 75), (63, 75), (63, 76), (63, 77), (63, 78), (63, 79), (62, 79), (61, 79), (61, 80), (61, 81), (64, 77), (65, 77), (65, 78), (65, 79), (65, 80), (65, 81), (66, 81), (67, 81), (67, 80), (67, 79), (68, 79), (69, 79), (66, 77), (67, 77), (64, 75), (65, 75), (65, 74), (65, 73), (65, 72), (65, 71), (65, 70), (65, 69), (66, 69), (67, 69), (67, 68), (67, 67), (66, 67), (65, 67), (65, 66), (65, 65), (66, 65), (67, 65), (68, 65), (69, 65), (69, 64), (69, 63), (69, 62), (69, 61), (68, 61), (67, 61), (67, 60), (67, 59), (67, 58), (67, 57), (66, 57), (65, 57), (65, 56), (65, 55), (64, 55), (63, 55), (62, 55), (61, 55), (66, 55), (67, 55), (67, 54), (67, 53), (68, 55), (69, 55), (69, 54), (69, 53), (69, 56), (69, 57), (70, 57), (71, 57), (71, 58), (71, 59), (71, 60), (71, 61), (72, 61), (73, 61), (73, 60), (73, 59), (73, 58), (73, 57), (74, 57), (75, 57), (74, 59), (75, 59), (75, 60), (75, 61), (76, 59), (77, 59), (77, 58), (77, 57), (78, 57), (79, 57), (77, 60), (77, 61), (78, 61), (79, 61), (79, 60), (79, 59), (80, 61), (81, 61), (81, 60), (81, 59), (82, 59), (83, 59), (83, 58), (83, 57), (83, 56), (83, 55), (84, 55), (85, 55), (85, 54), (85, 53), (85, 52), (85, 51), (85, 50), (85, 49), (84, 49), (83, 49), (86, 49), (87, 49), (88, 49), (89, 49), (89, 48), (89, 47), (89, 46), (89, 45), (88, 45), (87, 45), (87, 44), (87, 43), (86, 43), (85, 43), (84, 43), (83, 43), (83, 42), (83, 41), (82, 43), (81, 43), (81, 42), (81, 41), (81, 40), (81, 39), (80, 41), (79, 41), (79, 40), (79, 39), (81, 44), (81, 45), (80, 45), (79, 45), (79, 46), (79, 47), (78, 47), (77, 47), (77, 46), (77, 45), (77, 44), (77, 43), (76, 45), (75, 45), (77, 48), (77, 49), (76, 49), (75, 49), (75, 48), (75, 47), (74, 47), (73, 47), (74, 49), (73, 49), (73, 50), (73, 51), (72, 51), (71, 51), (71, 50), (71, 49), (71, 52), (71, 53), (80, 47), (81, 47), (81, 48), (81, 49), (82, 47), (83, 47), (84, 47), (85, 47), (82, 45), (83, 45), (84, 45), (85, 45), (80, 43), (79, 43), (88, 43), (89, 43), (90, 43), (91, 43), (90, 45), (91, 45), (88, 47), (87, 47), (90, 47), (91, 47), (92, 47), (93, 47), (93, 48), (93, 49), (92, 49), (91, 49), (94, 49), (95, 49), (94, 47), (95, 47), (95, 46), (95, 45), (94, 45), (93, 45), (84, 51), (83, 51), (82, 51), (81, 51), (80, 51), (79, 51), (79, 50), (79, 49), (79, 52), (79, 53), (80, 53), (81, 53), (82, 53), (83, 53), (86, 51), (87, 51), (87, 52), (87, 53), (85, 56), (85, 57), (86, 57), (87, 57), (87, 58), (87, 59), (87, 60), (87, 61), (86, 61), (85, 61), (86, 59), (85, 59), (88, 57), (89, 57), (89, 56), (89, 55), (89, 54), (89, 53), (89, 52), (89, 51), (90, 51), (91, 51), (91, 52), (91, 53), (91, 54), (91, 55), (91, 56), (91, 57), (92, 53), (93, 53), (94, 53), (95, 53), (95, 52), (95, 51), (94, 51), (93, 51), (95, 54), (95, 55), (95, 56), (95, 57), (94, 57), (93, 57), (93, 58), (93, 59), (96, 57), (97, 57), (98, 57), (99, 57), (99, 56), (99, 55), (99, 54), (99, 53), (99, 52), (99, 51), (99, 50), (99, 49), (98, 49), (97, 49), (97, 48), (97, 47), (97, 46), (97, 45), (97, 44), (97, 43), (96, 43), (95, 43), (95, 42), (95, 41), (95, 40), (95, 39), (95, 38), (95, 37), (95, 36), (95, 35), (95, 34), (95, 33), (95, 32), (95, 31), (95, 30), (95, 29), (95, 28), (95, 27), (94, 27), (93, 27), (92, 27), (91, 27), (91, 28), (91, 29), (92, 29), (93, 29), (96, 27), (97, 27), (98, 27), (99, 27), (96, 29), (97, 29), (97, 30), (97, 31), (98, 29), (99, 29), (99, 30), (99, 31), (99, 32), (99, 33), (96, 35), (97, 35), (97, 34), (97, 33), (97, 36), (97, 37), (98, 37), (99, 37), (98, 35), (99, 35), (94, 39), (93, 39), (93, 38), (93, 37), (92, 37), (91, 37), (94, 41), (93, 41), (93, 42), (93, 43), (98, 47), (99, 47), (99, 46), (99, 45), (99, 44), (99, 43), (99, 42), (99, 41), (99, 40), (99, 39), (98, 39), (97, 39), (98, 41), (97, 41), (98, 51), (97, 51), (98, 55), (97, 55), (99, 58), (99, 59), (99, 60), (99, 61), (94, 55), (93, 55), (96, 53), (97, 53), (88, 55), (87, 55), (89, 58), (89, 59), (82, 57), (81, 57), (81, 56), (81, 55), (80, 55), (79, 55), (78, 55), (77, 55), (77, 54), (77, 53), (77, 52), (77, 51), (76, 51), (75, 51), (76, 53), (75, 53), (74, 53), (73, 53), (73, 54), (73, 55), (72, 55), (71, 55), (76, 55), (75, 55), (83, 60), (83, 61), (64, 57), (63, 57), (68, 59), (69, 59), (67, 62), (67, 63), (66, 63), (65, 63), (66, 61), (65, 61), (65, 60), (65, 59), (64, 61), (63, 61), (62, 61), (61, 61), (61, 60), (61, 59), (60, 59), (59, 59), (59,

58), (59, 57), (59, 56), (59, 55), (58, 55), (57, 55), (57, 54), (57, 53), (57, 52), (57, 51), (56, 53), (55, 53), (57, 56), (57, 57), (56, 55), (55, 55), (60, 57), (61, 57), (59, 60), (59, 61), (59, 62), (59, 63), (58, 63), (57, 63), (57, 62), (57, 61), (62, 59), (63, 59), (70, 63), (71, 63), (71, 64), (71, 65), (71, 66), (71, 67), (72, 65), (73, 65), (73, 64), (73, 63), (74, 63), (75, 63), (76, 63), (77, 63), (77, 64), (77, 65), (78, 63), (79, 63), (79, 64), (79, 65), (79, 66), (79, 67), (79, 68), (79, 69), (79, 70), (79, 71), (80, 71), (81, 71), (82, 71), (83, 71), (84, 71), (85, 71), (85, 70), (85, 69), (85, 68), (85, 67), (85, 66), (85, 65), (84, 69), (83, 69), (82, 69), (81, 69), (81, 68), (81, 67), (81, 66), (81, 65), (82, 65), (83, 65), (83, 64), (83, 63), (84, 63), (85, 63), (86, 63), (87, 63), (88, 63), (89, 63), (89, 62), (89, 61), (89, 64), (89, 65), (89, 66), (89, 67), (90, 67), (91, 67), (92, 67), (93, 67), (88, 65), (87, 65), (87, 66), (87, 67), (87, 68), (87, 69), (90, 63), (91, 63), (91, 62), (91, 61), (91, 60), (91, 59), (92, 61), (93, 61), (93, 62), (93, 63), (94, 63), (95, 63), (95, 64), (95, 65), (95, 66), (95, 67), (95, 68), (95, 69), (95, 70), (95, 71), (95, 72), (95, 73), (95, 74), (95, 75), (95, 76), (95, 77), (95, 78), (95, 79), (94, 79), (93, 79), (93, 78), (93, 77), (96, 75), (97, 75), (97, 76), (97, 77), (98, 75), (99, 75), (94, 73), (93, 73), (93, 72), (93, 71), (93, 70), (93, 69), (92, 73), (91, 73), (91, 72), (91, 71), (91, 70), (91, 69), (91, 74), (91, 75), (90, 75), (89, 75), (89, 74), (89, 73), (89, 72), (89, 71), (89, 70), (89, 69), (88, 71), (87, 71), (92, 75), (93, 75), (96, 71), (97, 71), (97, 70), (97, 69), (97, 68), (97, 67), (97, 72), (97, 73), (98, 73), (99, 73), (99, 72), (99, 71), (99, 70), (99, 69), (96, 65), (97, 65), (96, 63), (97, 63), (97, 62), (97, 61), (97, 60), (97, 59), (98, 63), (99, 63), (99, 64), (99, 65), (99, 66), (99, 67), (94, 61), (95, 61), (95, 60), (95, 59), (91, 64), (91, 65), (92, 65), (93, 65), (83, 66), (83, 67), (78, 69), (77, 69), (80, 63), (81, 63), (73, 66), (73, 67), (74, 65), (75, 65), (75, 66), (75, 67), (76, 67), (77, 67), (64, 67), (63, 67), (63, 66), (63, 65), (62, 65), (61, 65), (61, 64), (61, 63), (62, 63), (63, 63), (63, 68), (63, 69), (62, 69), (61, 69), (68, 67), (69, 67), (69, 68), (69, 69), (69, 70), (69, 71), (70, 69), (71, 69), (71, 70), (71, 71), (71, 72), (71, 73), (72, 71), (73, 71), (74, 71), (75, 71), (75, 72), (75, 73), (76, 73), (77, 73), (77, 74), (77, 75), (78, 75), (79, 75), (79, 74), (79, 73), (79, 76), (79, 77), (79, 78), (79, 79), (80, 79), (81, 79), (81, 78), (81, 77), (81, 80), (81, 81), (80, 81), (79, 81), (82, 79), (83, 79), (83, 78), (83, 77), (84, 77), (85, 77), (85, 76), (85, 75), (84, 75), (83, 75), (83, 74), (83, 73), (82, 73), (81, 73), (81, 74), (81, 75), (83, 80), (83, 81), (84, 81), (85, 81), (85, 80), (85, 79), (85, 82), (85, 83), (84, 83), (83, 83), (83, 84), (83, 85), (82, 85), (81, 85), (81, 86), (81, 87), (81, 88), (81, 89), (81, 90), (81, 91), (82, 89), (83, 89), (83, 88), (83, 87), (84, 87), (85, 87), (83, 90), (83, 91), (82, 83), (81, 83), (86, 83), (87, 83), (87, 82), (87, 81), (87, 80), (87, 79), (87, 78), (87, 77), (87, 76), (87, 75), (87, 74), (87, 73), (86, 73), (85, 73), (87, 84), (87, 85), (87, 86), (87, 87), (87, 88), (87, 89), (87, 90), (87, 91), (87, 92), (87, 93), (87, 94), (87, 95), (86, 93), (85, 93), (85, 92), (85, 91), (85, 90), (85, 89), (85, 94), (85, 95), (85, 96), (85, 97), (85, 98), (85, 99), (84, 99), (83, 99), (83, 98), (83, 97), (82, 99), (81, 99), (81, 98), (81, 97), (80, 97), (79, 97), (79, 96), (79, 95), (79, 94), (79, 93), (80, 95), (81, 95), (82, 95), (83, 95), (79, 98), (79, 99), (78, 99), (77, 99), (77, 98), (77, 97), (76, 99), (75, 99), (75, 98), (75, 97), (75, 96), (75, 95), (76, 95), (77, 95), (77, 94), (77, 93), (76, 93), (75, 93), (75, 92), (75, 91), (76, 91), (77, 91), (78, 91), (79, 91), (79, 90), (79, 89), (74, 97), (73, 97), (73, 96), (73, 95), (72, 97), (71, 97), (71, 96), (71, 95), (71, 94), (71, 93), (72, 93), (73, 93), (73, 92), (73, 91), (70, 95), (69, 95), (69, 94), (69, 93), (69, 92), (69, 91), (70, 91), (71, 91), (68, 93), (67, 93), (67, 92), (67, 91), (67, 90), (67, 89), (66, 89), (65, 89), (65, 90), (65, 91), (64, 91), (63, 91), (64, 89), (63, 89), (63, 88), (63, 87), (63, 86), (63, 85), (64, 85), (65, 85), (66, 85), (67, 85), (67, 84), (67, 83), (66, 83), (65, 83), (67, 86), (67, 87), (66, 87), (65, 87), (68, 87), (69, 87), (68, 85), (69, 85), (68, 89), (69, 89), (68, 95), (67, 95), (71, 98), (71, 99), (72, 99), (73, 99), (70, 97), (69, 97), (68, 97), (67, 97), (67, 98), (67, 99), (66, 99), (65, 99), (64, 99), (63, 99), (62, 99), (61, 99), (60, 99), (59, 99), (59, 98), (59, 97), (60, 97), (61, 97), (68, 99), (69, 99), (66, 97), (65, 97), (86, 99), (87, 99), (87, 98), (87, 97), (88, 97), (89, 97), (89, 96), (89, 95), (90, 95), (91, 95), (91, 96), (91, 97), (92, 97), (93, 97), (93, 98), (93, 99), (94, 97), (95, 97), (96, 97), (97, 97), (97, 96), (97, 95), (96, 95), (95, 95), (98, 95), (99, 95), (99, 96), (99, 97), (99, 98), (99, 99), (99, 100)

- Tempo de Execução: 0.011151479004183784

