Original Map

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

0 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 0 0 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 0 0 0 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 1 0

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 0 0 0 1 1 0 1 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1 1 0 0 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 0 0 0 0 0 1 1 1

Added in new antGroup 0

A1 trails count: 171 A2 trails count: 259 A3 trails count: 97 A4 trails count: 113 A5 trails count: 77 A6 trails count: 225 A7 trails count: 177 A8 trails count: 151 A9 trails count: 193 A10 trails count: 317

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 1

A1 trails count: 389 A2 trails count: 431 A3 trails count: 421 A4 trails count: 447 A5 trails count: 99 A6 trails count: 315 A7 trails count: 135 A8 trails count: 289 A9 trails count: 623 A10 trails count: 725

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 2

A1 trails count: 201 A2 trails count: 157 A3 trails count: 2283 A4 trails count: 6295 A5 trails count: 4989 A6 trails count: 1451 A7 trails count: 8017 A8 trails count: 10531 A9 trails count: 3241 A10 trails count: 1181

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 3

A1 trails count: 6179 A2 trails count: 1013 A3 trails count: 2937 A4 trails count: 1383 A5 trails count: 8939 A6 trails count: 2059 A7 trails count: 3251 A8 trails count: 1881 A9 trails count: 2269 A10 trails count: 4293

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 4

A1 trails count: 6977 A2 trails count: 1871 A3 trails count: 6775 A4 trails count: 887 A5 trails count: 4057 A6 trails count: 8859 A7 trails count: 4827 A8 trails count: 6689 A9 trails count: 1777 A10 trails count: 2373

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 5

A1 trails count: 2557 A2 trails count: 3121 A3 trails count: 4551 A4 trails count: 2347 A5 trails count: 5527 A6 trails count: 6665 A7 trails count: 3273 A8 trails count: 6433 A9 trails count: 763 A10 trails count: 2345

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 6

A1 trails count: 5509 A2 trails count: 3117 A3 trails count: 1165 A4 trails count: 3757 A5 trails count: 11647 A6 trails count: 2441 A7 trails count: 4723 A8 trails count: 1983 A9 trails count: 4505 A10 trails count: 7793

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 7

A1 trails count: 5505 A2 trails count: 9171 A3 trails count: 14013 A4 trails count: 9179 A5 trails count: 5771 A6 trails count: 1243 A7 trails count: 8481 A8 trails count: 5989 A9 trails count: 7005 A10 trails count: 2513

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 8

A1 trails count: 3473 A2 trails count: 5165 A3 trails count: 2441 A4 trails count: 5501 A5 trails count: 5049 A6 trails count: 2221 A7 trails count: 2655 A8 trails count: 27597 A9 trails count: 5935 A10 trails count: 9015

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1

Added in new antGroup 9

A1 trails count: 895 A2 trails count: 491 A3 trails count: 9573 A4 trails count: 6591 A5 trails count: 8539 A6 trails count: 10805 A7 trails count: 1523 A8 trails count: 2523 A9 trails count: 1675 A10 trails count: 2701

Ant Trail Min Size is: 77 Found at Ant5

Best Ant has size: 77, and has a path of:

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0

1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0

0 1 s 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0

0 x x 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0

x x 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0

x 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0

x x x 0 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0

0 1 x x x 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 1 1 x x x x 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 1 0 0 x x 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0

0 0 0 0 0 0 0 0 x 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0

0 1 0 1 0 0 0 0 x 1 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0

1 0 1 0 1 0 0 0 x 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0

0 0 1 0 1 1 1 0 x x 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 1 0 x x x 1 1 0 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0

0 0 0 0 1 0 0 x 1 1 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0

0 0 0 0 1 0 0 x x x x x 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0

1 0 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0

0 0 1 0 0 0 0 0 0 0 0 x 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 1 0 0 x 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0

0 1 1 1 0 0 0 0 0 0 0 x x x 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 x x x 0 0 0 0 0 1 0 0 0 1 x x x x

0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 x x x 0 0 0 0 0 0 1 0 x 1 1 x

1 1 0 1 1 0 0 0 0 0 0 1 0 1 0 0 1 x x x 1 1 0 1 x x x 1 x x

0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 x 1 0 1 0 x x 0 1 x 1

0 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 x x x 1 0 0 x x 1 x 1

0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 x x 1 1 x x 1 e 1

0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 x x x x 0 1 1 1