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: 201 A2 trails count: 123 A3 trails count: 217 A4 trails count: 221 A5 trails count: 75 A6 trails count: 139 A7 trails count: 131 A8 trails count: 97 A9 trails count: 439 A10 trails count: 395

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 1

A1 trails count: 2959 A2 trails count: 2141 A3 trails count: 2753 A4 trails count: 1333 A5 trails count: 4329 A6 trails count: 2973 A7 trails count: 2349 A8 trails count: 13495 A9 trails count: 5935 A10 trails count: 3717

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 2

A1 trails count: 2043 A2 trails count: 3907 A3 trails count: 3089 A4 trails count: 8831 A5 trails count: 11775 A6 trails count: 6577 A7 trails count: 5885 A8 trails count: 13795 A9 trails count: 8667 A10 trails count: 9527

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 3

A1 trails count: 8811 A2 trails count: 1483 A3 trails count: 6047 A4 trails count: 3305 A5 trails count: 8427 A6 trails count: 4635 A7 trails count: 9237 A8 trails count: 6749 A9 trails count: 2091 A10 trails count: 2627

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 4

A1 trails count: 971 A2 trails count: 4061 A3 trails count: 4657 A4 trails count: 5753 A5 trails count: 4645 A6 trails count: 7353 A7 trails count: 9287 A8 trails count: 4615 A9 trails count: 4599 A10 trails count: 1613

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 5

A1 trails count: 5107 A2 trails count: 3989 A3 trails count: 551 A4 trails count: 2757 A5 trails count: 2667 A6 trails count: 6469 A7 trails count: 1645 A8 trails count: 4713 A9 trails count: 1475 A10 trails count: 627

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 6

A1 trails count: 2795 A2 trails count: 7161 A3 trails count: 2899 A4 trails count: 11561 A5 trails count: 795 A6 trails count: 17479 A7 trails count: 4633 A8 trails count: 7189 A9 trails count: 4941 A10 trails count: 6697

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 7

A1 trails count: 3945 A2 trails count: 2995 A3 trails count: 12445 A4 trails count: 8679 A5 trails count: 7713 A6 trails count: 5609 A7 trails count: 7617 A8 trails count: 11703 A9 trails count: 5763 A10 trails count: 30507

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 8

A1 trails count: 2847 A2 trails count: 2193 A3 trails count: 14341 A4 trails count: 1361 A5 trails count: 2211 A6 trails count: 2603 A7 trails count: 3615 A8 trails count: 2125 A9 trails count: 2201 A10 trails count: 1307

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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

Added in new antGroup 9

A1 trails count: 2585 A2 trails count: 2659 A3 trails count: 1087 A4 trails count: 6195 A5 trails count: 5655 A6 trails count: 2129 A7 trails count: 1639 A8 trails count: 5381 A9 trails count: 1257 A10 trails count: 3183

Ant Trail Min Size is: 75 Found at Ant5

Best Ant has size: 75, 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 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

x 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

x 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

x 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

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

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