Original Map

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 0

A1 trails count: 62 A2 trails count: 46 A3 trails count: 44 A4 trails count: 42 A5 trails count: 86 A6 trails count: 66 A7 trails count: 40 A8 trails count: 80 A9 trails count: 166 A10 trails count: 42

Ant Trail Min Size is: 40 Found at Ant7

Best Ant has size: 40, and has a path of:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 1

A1 trails count: 38 A2 trails count: 38 A3 trails count: 44 A4 trails count: 56 A5 trails count: 42 A6 trails count: 46 A7 trails count: 40 A8 trails count: 58 A9 trails count: 58 A10 trails count: 60

Ant Trail Min Size is: 38 Found at Ant11

Best Ant has size: 38, and has a path of:

s x x x x x 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 2

A1 trails count: 54 A2 trails count: 160 A3 trails count: 50 A4 trails count: 40 A5 trails count: 44 A6 trails count: 40 A7 trails count: 258 A8 trails count: 170 A9 trails count: 70 A10 trails count: 64

Ant Trail Min Size is: 38 Found at Ant11

Best Ant has size: 38, and has a path of:

s x x x x x 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 3

A1 trails count: 40 A2 trails count: 42 A3 trails count: 46 A4 trails count: 36 A5 trails count: 50 A6 trails count: 40 A7 trails count: 46 A8 trails count: 42 A9 trails count: 66 A10 trails count: 54

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 4

A1 trails count: 52 A2 trails count: 40 A3 trails count: 42 A4 trails count: 38 A5 trails count: 46 A6 trails count: 40 A7 trails count: 48 A8 trails count: 66 A9 trails count: 64 A10 trails count: 52

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 5

A1 trails count: 104 A2 trails count: 358 A3 trails count: 84 A4 trails count: 40 A5 trails count: 58 A6 trails count: 118 A7 trails count: 84 A8 trails count: 38 A9 trails count: 40 A10 trails count: 92

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 6

A1 trails count: 42 A2 trails count: 80 A3 trails count: 42 A4 trails count: 50 A5 trails count: 38 A6 trails count: 76 A7 trails count: 106 A8 trails count: 140 A9 trails count: 158 A10 trails count: 42

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 7

A1 trails count: 68 A2 trails count: 100 A3 trails count: 210 A4 trails count: 42 A5 trails count: 44 A6 trails count: 112 A7 trails count: 66 A8 trails count: 154 A9 trails count: 52 A10 trails count: 86

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 8

A1 trails count: 46 A2 trails count: 76 A3 trails count: 46 A4 trails count: 44 A5 trails count: 40 A6 trails count: 118 A7 trails count: 88 A8 trails count: 204 A9 trails count: 84 A10 trails count: 86

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Added in new antGroup 9

A1 trails count: 42 A2 trails count: 42 A3 trails count: 68 A4 trails count: 38 A5 trails count: 46 A6 trails count: 42 A7 trails count: 50 A8 trails count: 64 A9 trails count: 44 A10 trails count: 40

Ant Trail Min Size is: 36 Found at Ant34

Best Ant has size: 36, and has a path of:

s x x x x 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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