

berger-knuth
from a history of the domino the problem

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8 6 7 8 7

$\text{♩} = 60 - 90$

1a *mf* *mp* *mf* *mp* *p*

2a *mp* *mf* *p* *mp* *mf*

3a *mf*

1b *mf* *mp*

2b *mf* *mp* *mf*

3b *mp* *mf*

①

⑤ 7 8 7 8

1a *mf* *p* *mf* *mp* *p*

2a *mp* *mf* *p* *mp* *mf*

3a *mp*

1b *mf* *mp* *p*

2b *p* *mf* *mp* *mf*

3b *mp* *p* *mf*

⑨ 8 7

1a *mf* *p*

2a *mp* *mf*

3a *mp* *p*

1b *mf* *mp* *mf*

2b *mp* *mf* *p* *mp* *mf*

3b *p* *mf*

⑪

(21)

-2-

25 $\frac{6}{4}$ $\frac{7}{4}$

1a mp mf

2a p mf p mp

3a mf

1b mf p

2b mf mp mf

3b p mf p

29 $\frac{8}{4}$ $\frac{7}{4}$

1a mp

2a p mf p mp

3a p mf

1b mf mp p

2b p mf mp mf

3b mf

33 $\frac{7}{4}$ $\frac{8}{4}$ $\frac{6}{4}$

1a

2a p mf p mp

3a p mf p mp

1b mf

2b mp mf p mp

3b p mf

2

37 $\frac{6}{4}$ $\frac{7}{4}$ $\frac{8}{4}$ $\frac{7}{4}$ $\frac{6}{4}$ $\frac{7}{4}$

1a mf mp

2a p mf p mp p

3a p mf p

1b mp

2b mf p

3b p mf

42 $\frac{7}{4}$ $\frac{6}{4}$

1a mf

2a mf

3a mf p

1b mf

2b mf p mp p

3b p mf

46 $\frac{6}{4}$ $\frac{7}{4}$ $\frac{8}{4}$

1a

2a mp mf mp mf

3a 5

1b mp mf

2b mf p mp

3b 3

50 $\frac{8}{4}$ $\frac{6}{4}$

1a
2a
3a
1b
2b
3b

54 $\frac{8}{4}$ $\frac{7}{4}$ $\frac{6}{4}$ $\frac{7}{4}$

1a
2a
3a
1b
2b
3b

59 $\frac{6}{4}$ $\frac{8}{4}$ $\frac{7}{4}$ $\frac{8}{4}$

1a
2a
3a
1b
2b
3b

64 $\frac{8}{4}$ $\frac{6}{4}$ $\frac{7}{4}$

1a mp p mf p mf

2a mp mf mp mf p

3a p mf

1b mp p mf

2b mp mf p mp p

3b mf mp

68 $\frac{8}{4}$ $\frac{7}{4}$ $\frac{6}{4}$

1a mf p mf

2a mp mf mp mf p

3a p mf

1b mp

2b mf p mp p

3b mf mp p

72 $\frac{6}{4}$ $\frac{7}{4}$ $\frac{8}{4}$ $\frac{7}{4}$ $\frac{6}{4}$

1a p mf

2a mp mf p mp p

3a p mp

1b mf

2b mp mf p

3b mf

76 $\frac{6}{4}$ $\frac{8}{4}$ $\frac{7}{4}$ $\frac{8}{4}$

1a mp

2a mf p mp p

3a p mp p

1b p mf

2b mp mf mp mf p

3b p mf

80 $\frac{8}{4}$ $\frac{7}{4}$ $\frac{8}{4}$ $\frac{7}{4}$

1a p mf

2a mp p mp p

3a mf mp

1b mp p mp

2b mp mf p mf p

3b p mf

84 $\frac{7}{4}$ $\frac{8}{4}$ $\frac{7}{4}$

1a mp

2a mf p mp p

3a mf mp p

1b p mf mp

2b mp p mf p

3b p mf

88

6/4 7/4 8/4 7/4

1a *mf* *mp*

2a *mp* *p* *mf* *p*

3a *mf*

1b *mf* *p* *mf*

2b *mp* *p* *mp* *p*

3b *p* *mf*

92

7/4 8/4 6/4 8/4

1a *mf* *mp*

2a *mp* *p* *mf* *p*

3a *p* *mf*

1b *mp*

2b *mf* *p* *mp* *p*

3b *p*

96

7/4 8/4 7/4

1a *mf*

2a *mp* *p* *mf* *p*

3a *p* *mf*

1b *mp*

2b *mp* *mf* *mp* *mf*

3b *mf*

104

108

(112)

6/4 7/4 8/4 7/4

1a 2a 3a 1b 2b 3b

p *p* *mf* *mf* *mp* *p*

(116)

8/4 7/4

1a 2a 3a 1b 2b 3b

mf *mf* *p* *p* *mp* *mf*

(121)

8/4 7/4 8/4

1a 2a 3a 1b 2b 3b

mp *mf* *p* *mp* *mf* *mp*

126

8/4 7/4 6/4 8/4

1a *p* *mf* *mp* *p* *mf* *mp*

2a *mf* *p* *mp* *mf* *mp* *mf*

3a *p* *mf* *mp* *p* *mf* *mp*

1b *p* *mf* *mp* *p* *mf* *mp*

2b *mp* *mf* *mp* *mf* *mp* *mf*

3b *p* *mf* *mp* *p* *mf* *mp*

131

7/4 8/4 7/4

1a *mf* *p* *mf* *mp* *mf* *p*

2a *p* *mp* *mf* *mp* *mf* *p*

3a *p* *mf* *mp* *p* *mf* *mp*

1b *p* *mf* *mp* *p* *mf* *mp*

2b *mf* *p* *mp* *mf* *mp* *mf*

3b *p* *mf* *mp* *p* *mf* *mp*

136

7/4 8/4 6/4 7/4

1a *p* *mf* *mp* *p* *mf* *mp*

2a *mp* *mf* *mp* *mf* *mp* *mf*

3a *mp* *p* *mf* *mp* *p* *mf*

1b *p* *mf* *mp* *p* *mf* *mp*

2b *mp* *mf* *mp* *mf* *mp* *mf*

3b *mf* *p* *mp* *mf* *mp* *mf*

(141) $\frac{7}{4}$ $\frac{6}{4}$ $\frac{7}{4}$

1a mf

2a p mf mp mf

3a mp p mp

1b p mf

2b mp mf p mp mf p

3b p mf p mp p

(146) $\frac{7}{4}$ $\frac{8}{4}$ $\frac{7}{4}$

1a mf

2a mp mf p mf

3a p mp p

1b mp mf

2b mf p mp p mf

3b mf p

(151) $\frac{8}{4}$ $\frac{7}{4}$

1a mf

2a mp mf p mf

3a p mf

1b mp mf

2b p mp mf mp

3b mf p mf

(155)

8/4 6/4 7/4

1a *mp* *mf*

2a *p* *mp* *p* *mf*

3a *mf* *p*

1b *p* *mf*

2b *mf* *p* *mf*

3b *p*

(159)

7/4 8/4

1a *mp*

2a *p* *mp* *p* *mf*

3a *mf* *p*

1b *mp* *p* *mf*

2b *mp* *mf* *p* *mp*

3b *mf* *p* *mf*

(163)

8/4 7/4

1a *mf*

2a *p* *mp* *p* *mf*

3a *mf* *p*

1b *mf*

2b *p* *mf*

3b *p*

(167)

6/4 7/4 8/4 7/4

1a *mp* *p* *mf*

2a *p* *mp* *p* *mf*

3a *mf* *p* *mf*

1b *mf* *p* *mf*

2b *p* *mf* *p* *mf*

3b *mf* *p*

(171)

7/4 8/4 6/4 8/4

1a *mp* *p* *mp*

2a *p* *mp* *p* *mp*

3a *p*

1b *mp* *mf*

2b *p* *mp* *p* *mf*

3b *mf*

(175)

7/4 6/4

1a *mf* *p*

2a *p* *mp* *p* *mp*

3a *mf*

1b *mp* *mf*

2b *p* *mp* *mf*

3b *p*

(184)

188

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