

¢

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£

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£

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£

KB

KINGBOARD CHEMICAL HOLDINGS LIMITED

*

½

¾



5 11 £

12 £

13 24

£

A

2-12

5 K

33 34

£

48

28

26 £

£

.....	1
.....	5
.....	12
.....	13
.....	25
.....	33

Ō	— Ō	½	¾Shirai	Shirai	—
Ō	— Ō	½	¾	¢Shirai	
		Shirai	—		
Ō	Ö				
Ō	Ö	˘			
Ō	Ö				
Ō	Ö		˘		
Ō	Ö			Hallgain	
Ō	Ö	˘			
Ō	Ö	˘			
Ō	Ö				
Ō	Ö				
ŌHallgainÖ		Hallgain Management Limited			31.02%
Ō	Ö				
Ō	Ö				

--

$$\tilde{O} \qquad \qquad \qquad \ddot{O}$$

$\tilde{O}$ $\tilde{O}$ $\tilde{O}$ $\tilde{O}$ 6 $\frac{1}{2}$ $\frac{3}{4}$
 Shirai Shirai Shirai

Ö Ö

$$\tilde{O} \qquad \ddot{O}$$

Ö	Ö				
		B	Shirai	70%	30%

Ö Ö

$$\tilde{O} \quad \quad \quad \ddot{O} \quad \quad \quad)$$

$\tilde{O}$
 $\tilde{O}$
Shirai
Shirai

$$\tilde{O} \qquad \ddot{O}$$

Ö Ö

--

Ö Shirai Shirai
Shirai

Shirai 7
$$\tilde{O} \qquad \ddot{O}$$

$\tilde{O}$ $\ddot{O}$ 571

$$\tilde{O} \quad \ddot{O} \quad 0.10$$

Ö Ö

Õ Shirai Ö Shirai

Ö Shirai Ö Shirai Shirai Shirai

T B

Ö Shirai Ö Shirai Shirai

B

Ö Shirai Ö Shirai Electronics Industrial Co., Ltd.

30% Shirai

$$\tilde{O} \quad \ddot{O}$$

Ö Ö)

Ö Ö)

$$\tilde{O} \qquad \ddot{O}$$
$$\tilde{O} \qquad \ddot{O}$$

--

Ö Ö

T

The diagram shows a probability tree for a game. It starts with a biased coin with two outcomes: B (90%) and C (10%). If the coin lands on B, a biased die is rolled, resulting in 1/2 (40%) or 3/4 (35%). If the coin lands on C, the die is rolled again, resulting in 1/2 (25%) or 3/4 (25%). The final outcomes are £ (1/2) and ¢ (3/4).

Ö Ö

Ö % Ö

--

--

Shirai

Shirai

$\frac{1}{2}$ $\frac{3}{4}$

£

©

	Shirai	562,350,000	618,585,000
	Shirai	646,703,000	711,373,000
		743,708,000	818,079,000
Shirai		26,600,000	29,260,000
Shirai	、	37,240,000	40,964,000
		52,136,000	57,350,000

©

(i)

(ii)

Shirai	Shirai		✓
15%	Shirai		✓
40% £		Shirai	
	£		

 $\frac{1}{2}$ $\frac{3}{4}$

£

 $\frac{1}{2}$

£

Shirai

Shirai

Shirai

B Shirai

£

Shirai

 $\frac{3}{4}$

T
Shirai

T

£

Shirai 30%
Shirai
£
B Shirai Shirai
£ ¢
£ £
£

£
—

(a)

(b)

(c) 14A.13(1)(b)(i) (iv)
£

Shirai Shirai £ .
¢ Shirai £
· ¢
£



£

48

28

26

,

24

£

£

12

13 25

£

$\frac{1}{2}$

$\frac{3}{4}$

£

£

£

£

KB

KINGBOARD CHEMICAL HOLDINGS LIMITED

*

$\frac{1}{2}$

$\frac{3}{4}$

$\frac{1}{2}\tilde{\text{O}}$

$\tilde{\text{O}}\frac{3}{4}$

£

£

£

£

5

11

£

13

24

£

£

£

£



89

701

£

$\frac{1}{2}\tilde{O}$

$\ddot{O}\frac{3}{4}$

$\frac{1}{2}\tilde{O}$

$\ddot{O}\frac{3}{4}$

· £

£

Shirai

Shirai

Shirai

£

Shirai

30%

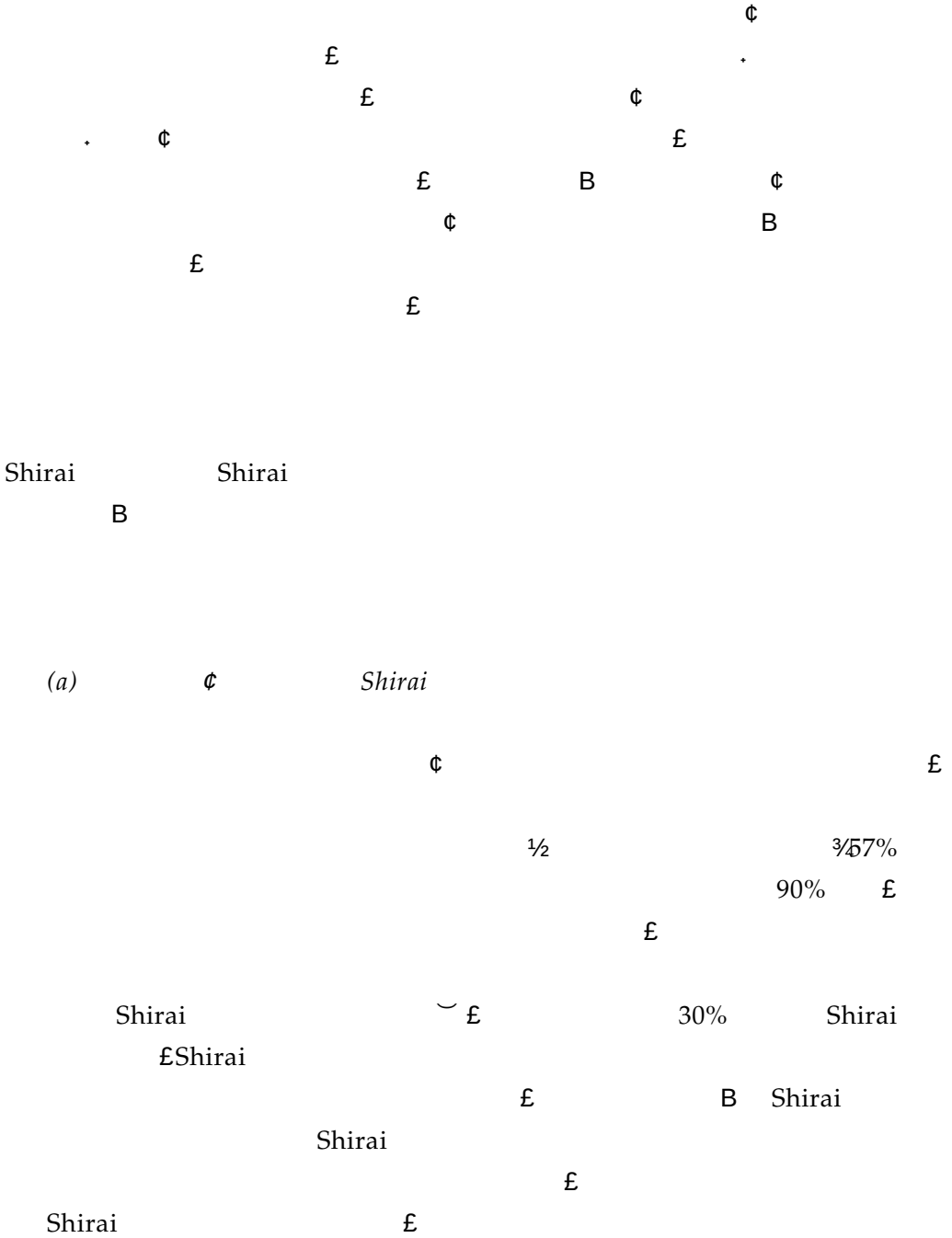
¢

70%

£

~

£





(b) *Shirai* *Shirai*

 Shirai



(1)

(2) Shirai

Shirai

Shirai , $\frac{1}{2}$ Shirai

$\frac{3}{4}$ (i)

(ii) , Shirai ,

Shirai

Shirai

60

Shirai

Shirai

75 £

$\frac{1}{2}$

£

$\frac{3}{4}$

Shirai ,

B Shirai

£ Shirai

Shirai

Shirai

Shirai ,

£

▼

£

▼ £

—

£

£

1/2 3/4 1/2 3/4 1/2 3/4 1/2 3/4 1/2 3/4 1/2 3/4

▼

1,832.4 5,284.2 6,650.0 688.0 2,465.4 2,899.2 3,449.6

7,082.4 13,098.4 16,773.3 3,059.6 5,954.0 7,465.0 9,021.9

▼ (%) 37.5 46.7 43.6

▼

J D 、

B Shirai

70.56%

25,027,000

94.09%£

Shirai

£Shirai

£

Shirai

B

£

Shirai

B Shirai

£

Shirai

£

£

Shirai

£

Shirai

£

(a) *Shirai*

					(%)
		562,350	646,703	743,708	15
1/2	3/4				
		618,585	711,373	818,079	15
1/2	3/4				
		10.0	10.0	10.0	
	(%)				

©

(i)

(ii)

Shirai	Shirai
15% £	

15%

T

Shirai

£

Shirai

 $\frac{1}{2}$ $\frac{3}{4}$

(%)

383,465

416,149

8.5

486,661

16.9

412,124

12.9

 $\frac{1}{2}$ $\frac{3}{4}$

Shirai

£

£

B

£

Ö

Ö

£

12.9% £

£

344,867,000

70.5% £

489,000,000

459,823,000

£

486,661,000

99.5% £

 Θ 5.8%

¢

(i)

(ii)

Shirai

、

40% £

40%

、

Shirai

£

Shirai

、

£

½

¾

(%)

7,824

12,704

62.4

18,693

47.1

(%)

54.6

、

54.6% £

、

47.1%

62.4%£ B

40%

40%

£

25,027,000

£

12,818,000

19,000,000

67.5% £

-

-

- Shirai

-

Shirai

Shirai

£

£



—

£

•

£

£

$\frac{1}{2}$

XV

$\frac{3}{4}$

¢

(a)

XV

7

8

•

$\frac{1}{2}$

352

$\frac{3}{4}$ (b)

(c)

—

--

(a)	0.10	$\frac{1}{2}\ddot{O}$	$\ddot{O}\frac{3}{4}$		
				$\frac{1}{2}$	$1\frac{3}{4}$
					(%)
				210,600	3,319,685
					0.39
				2,558,800	781,000
					0.09
				2,951,800	860,709
					0.10
	$\frac{1}{2}$	$2\frac{3}{4}$		3,175,800	2,769,174
					0.33
	$\frac{1}{2}$	$3\frac{3}{4}$		5,104,800	1,504,079
					0.17
					960,000
					0.11
					100,000
					0.01

(1)

			3.74		£
(2)	2,769,174	840,200	B		£
(3)	5,104,800		1,504,079		1,984,000
	1,027,000	B		£	

(b)

$\frac{1}{2}$

$\frac{3}{4}$

				(%)
			934,500	0.03
	$\frac{1}{2}$	$1\frac{3}{4}$	100,000	0.003
	$\frac{1}{2}$	$2\frac{3}{4}$	540,000	0.018
	$\frac{1}{2}$	$3\frac{3}{4}$	100,000	0.003
			998,000	0.03

1.	100,000	B	£
2.	540,000	B	£
3.	100,000	B	£

1,904,400

1,481,200

846,400

423,200

--

	$\frac{1}{2}$	$\frac{3}{4}$	(%)
	973,200	60,000	0.03
	973,200		
	973,200		
	973,200	74,000	0.04
			3,244,000

EEIC		£		£	
EEIC	2.033	EEIC	£	₹	
¢	¢		¢		
₹				₹	
₹ £					

				(%)
$\frac{1}{2}$	$\frac{3}{4}$		2,000	0.0003
2,000	KCFL	B	£	

1/2		XV	3/4	¢	(a)	
	XV	7	8	,	1/2	
					3/4 (b)	352
			(c)	—		
			£			
					336	€
	2	3	,	XV	,	£
			0.10	1/2Ö	Ö3/4	
						(%)
Hallgain	1/2	3/4			259,968,929	31.02
Capital Research and Management Company					79,651,400	9.50
Commonwealth Bank of Australia					58,435,530	6.97
		(i)	Hallgain	Hallgain		
	,		Hallgain	Hallgain		
(ii)			Hallgain	Hallgain	£	



£

$\frac{1}{2}$

$\frac{3}{4}$

£

(a)

6 $\frac{1}{2}$

$\frac{3}{4}$

£

(b)

$\frac{1}{2}$

$\frac{3}{4}$ £

(c)

£

(d)

£

(e)

£

--

(a)

(b)

(c)

(d)

£

(a)

£

(b)

£

(c)

£

(d)

Ground Floor, Caledonian House, Mary Street,
P.O. Box 1043, George Town, Grand Cayman, Cayman Islands, British
West Indies£

(e)

A

2-12

5 K £

- (f)

28

26

£
- (g)

£
- $\frac{1}{2}$

$\frac{3}{4}$

A

2-12
- 5

K
- (a)

Shirai
- (b)

Shirai
- (c)

12
- (d)

24

13
- (e)

5(c)
- (f)

£

KB

KINGBOARD CHEMICAL HOLDINGS LIMITED

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$\frac{1}{2}$

$\frac{3}{4}$

$\frac{1}{2}\tilde{\text{O}}$

$\tilde{\text{O}}\frac{3}{4}$

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A

2-12

5 K

$\tilde{\text{O}}$

$\frac{1}{2}$

$\frac{3}{4}$

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A

2-12

5 K

1.

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2.

$\frac{1}{2}\tilde{\text{O}}$

$\tilde{\text{O}}\frac{3}{4}$

B

B

£

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3.

1/2

3/4

3/4

B

48

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