



/1

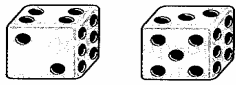
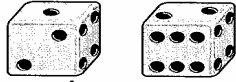
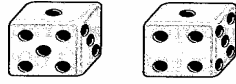
/2

/3

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() : 01

()



6,5,4,3,2,1

()

25

2-1-4-5-4-1-2-4-3-4-5-6-4-5-6-6-3-1-2-4-2-6-4-4-2

25

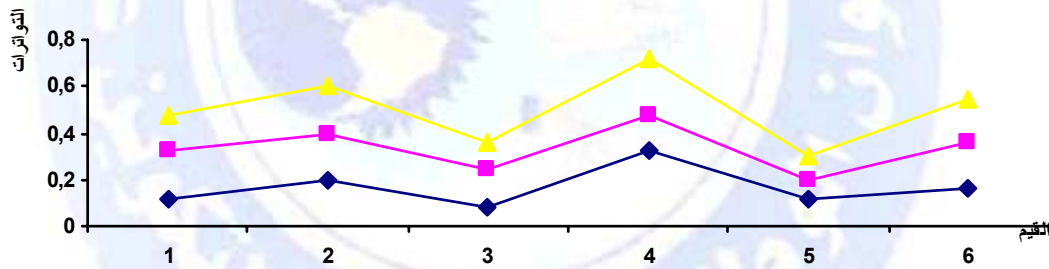
(1)

(3)

• 1

	1	2	3
	3	5	2
	$\frac{3}{25} = 0,12$	$\frac{5}{25} = 0,2$	$\frac{2}{25} = 0,08$

	4	5	6
	8	3	4
	$\frac{8}{25} = 0,32$	$\frac{3}{25} = 0,12$	$\frac{4}{25} = 0,16$



(1)

(2)

(3)

(!!!

)

2

5-6-5-6-4-1-6-2-1-3-2-6-2-1-1-2-4-3-4-2-3-6-4-1-3

	1	2	3
	5	5	4
	$\frac{5}{25} = 0,2$	$\frac{5}{25} = 0,2$	$\frac{4}{25} = 0,16$

	4	5	6
	4	2	5
	$\frac{4}{25} = 0,16$	$\frac{2}{25} = 0,08$	$\frac{5}{25} = 0,2$

:

③

	1	2	3
	8	10	6
	$\frac{8}{50} = 16\%$	$\frac{10}{50} = 20\%$	$\frac{6}{50} = 12\%$

	4	5	6
	12	5	9
	$\frac{12}{50} = 24\%$	$\frac{5}{50} = 10\%$	$\frac{9}{50} = 18\%$

:

*

" " 25 (1)

50 (3) 25 (2)

25 25

•
: y x
 N

(P) " " (F) y x

y x ①
: 50 ②

P-F-F-F-F-P-P-F-F-F-F-F-P-F-F-F-F-P-P-F-F-P-P-P-F-
P-P-P-F-P-P-F-P-F-P-F-P-P-P-P-F-F-F-P-F-P-F-F-P

N -
F P -
 y x -
: *

$x = 50\%$: ①
 $y = 50\%$
 $N = 50$ - ②

	26	F	24	P	-
$\frac{52}{100}$	$\frac{26}{50}$	F	$\frac{48}{100}$	$\frac{24}{50}$	P
$y = 48\%$	$x = 52\%$				-

" " (1) ①

" " " " " " ②

/1

:



/2

:n



()

1

0

:

25

-1-0-0-1-1-1-0-0-1-1-0-1-0-1-1-1-1-0-0-0-1-0

1-1-0

"

"

25

	0	1
--	---	---

	0,44	0,56
--	------	------

$$\left[\begin{array}{ccc} 11 & 0 & \\ \frac{11}{25} = & \frac{11}{25} & 0 \\ & 14 & 1 \\ \frac{14}{25} = & \frac{14}{25} & 1 \end{array} \right]$$

: ¶

: /3

n	n	n	n
	n	-	-

a, b, c, d, e, f

:
-
-

:	50			50			A
	a	b	c	d	e	f	
	0,15	0,19	0,14	0,20	0,15	0,17	

: <http://www.onefd.edu.dz> 50

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	a	b	c	d	e	f
	0,26	0,12	0,15	0,136	0,05	0,284

/4



15 :
 (!!)
 (2)
 6,5,4,3,2,1
 " " " " " "
 15

1-3-3-4-6-5-1-4-5-3-6-4-2-2-1

6 1

6

:

2

" 4 "

:

. 6 " "

:

(Random) Ran #

Rand

. [0,1[

()

7

-

()

*

7

**

3

Rand

=

Rand

x^y

2

:1

Rand

x^y

3

30

(

):

Rand

(

)

6

Rand

x^y

2

=

0,000324

0,419904

0,101124

0,528529

0,02856

" " " " " " " "

$$\left(\frac{12}{30}\right) \quad \left(\frac{18}{30}\right)$$

:2

$$0 \leq 6a < 6 \quad 0 \leq a < 1$$

$$1 \leq 6a + 1 < 7 :$$

$$\text{Rand} \times 6 + 1 :$$

()

[1,7[

[1,6]

5

$$2 \leftarrow 2,104$$

$$= \text{Rand} \times 6 + 1 \leftarrow 3,904$$

5

$$6-3-2-3-2 \quad 2 \leftarrow 2,824$$

$$3 \leftarrow 3,79$$

$$6 \leftarrow 6,028$$

" "



:1

.P

15

①

.P

60

②

:2

":

6

4

20

①

5 (1)

②

40

③

أ-

100

ب-

:3

[1,10] -

[2,4] -

[8,17] -

[3,12] -

:4

" "

5

" "

" "

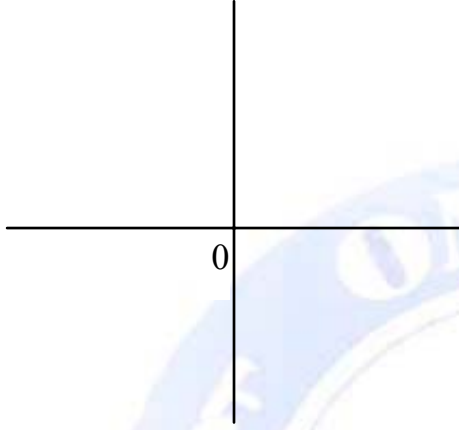
" "

" "

:5

() 0

4



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2

3

