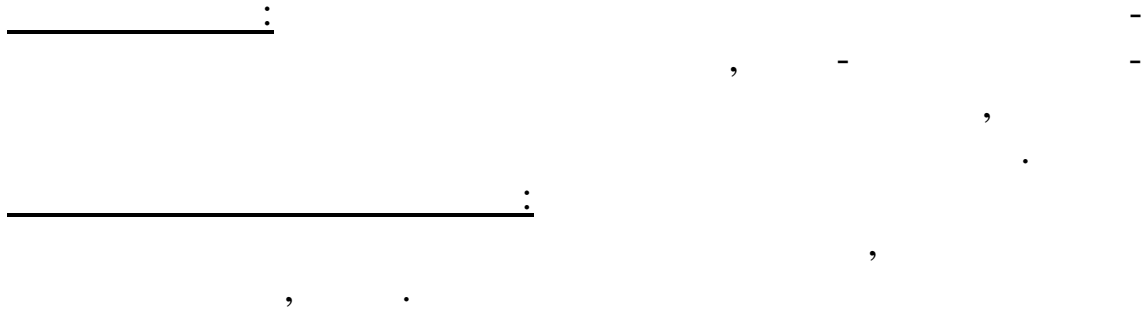


12.



1. , , :

2. :

. ? ?

3. -

4. EcoRI,

SmaI.

5. :

1. 27 -

5`- -3`
3`- -5`

2. 24 -

5`- -3`
3`- -5`

3. -

?

| | | | | | |
|-------------|--------|----|---|--|--------------------------|
| |) 5`- | | | -3` | |
| |) 5`- | | | -3` | |
| 4. | | | | | - |
| | | | ? | | |
| |) 5`- | | | -3` | |
| |) 5`- | | | -3` | |
| |) 5`- | | | -3` | |
| 5. | | | | Hpa II | - |
| | | | | | |
| 6. | | | | EcoRI | - |
| | | | ? | | |
| 7. | | | | | - |
| | | | | , | - |
| | | | | ? | - |
| 8. | | | | | 3×10 ⁹ |
| | | | | | - |
| | Not | I, | | | - |
| | ? | | | | - |
| 9. | | | | | - |
| | Sma I? | | | | |
| 10. | | | | | Saccharomyces |
| cerevisiae, | | | | | 13,5 ×10 ⁶ |
| | | | | | - |
| | EcoRI, | | | | - |
| | ? | | | | |
| 11. | | | | Saccharomyces cerevisiae (13,5 ×10 ⁶ . .) | |
| | | | | HaeIII. | |
| | | | | ? | |
| 12. | | | | Escherichia coli, | |
| | | | | | 4,7 ×10 ⁶ . . |
| | | | | HaeIII. | |
| | | | | ? | |
| 13. | | | | Drosophila melanogaster, | - |

10⁸
EcoRI,
?

14.

5`-
3`-

-3`
-5`

5`-
3`-

-3`
-5`

?

15.

5`-
3`-

-3`
-5`

5`-
3`-

-3`
-5`

16.

39

:

5`-
3`-

-3`
-5`

?

17.

Hind III

?

?)

18.

3×10⁹

(. .)

EcoRI,

?

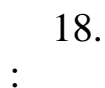
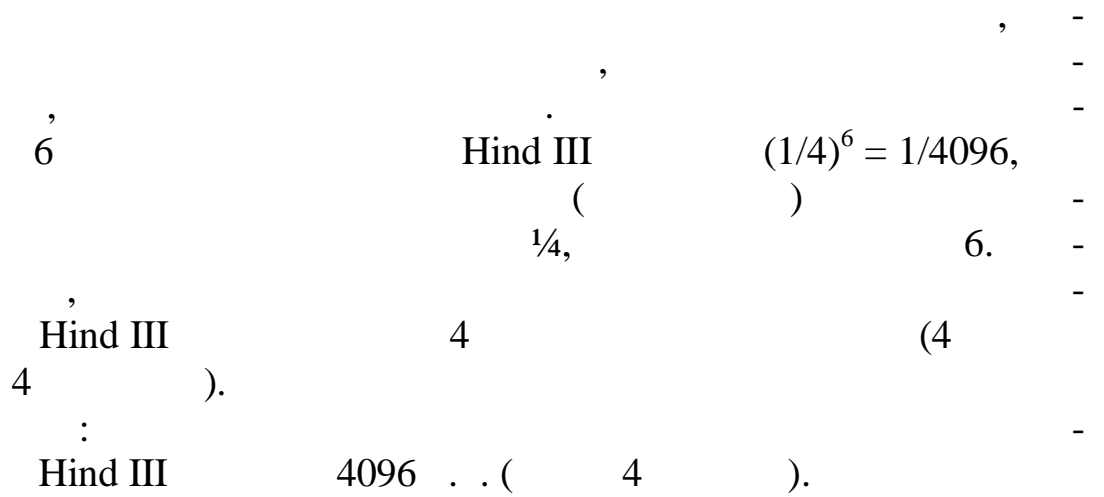
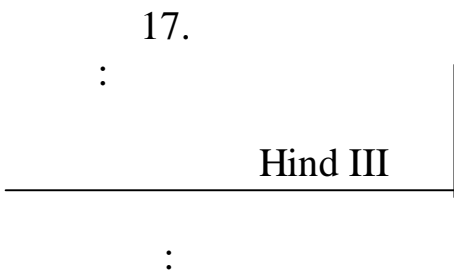
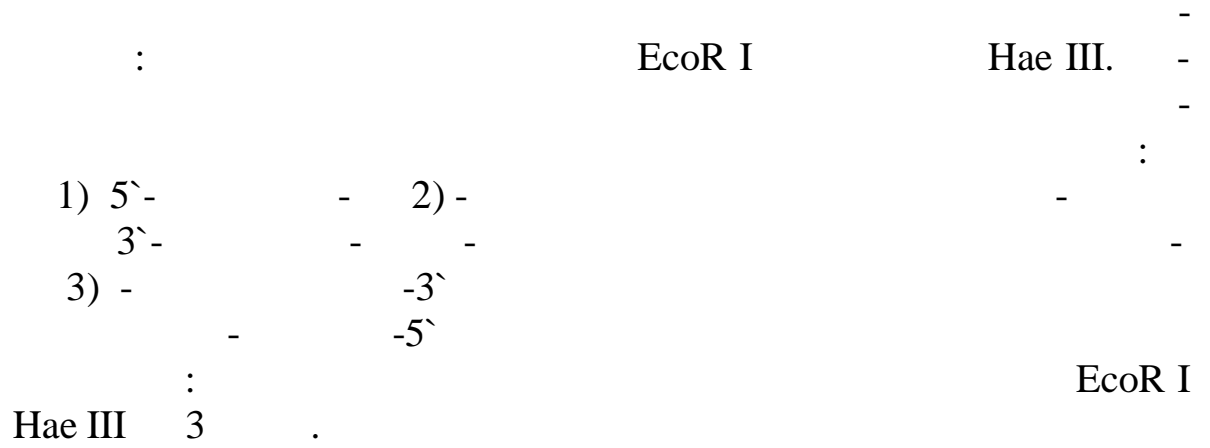
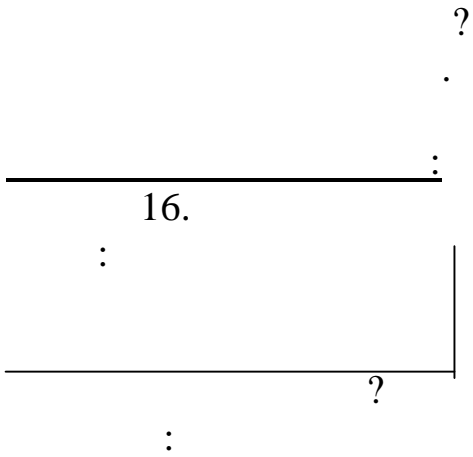
19.

1) 5`-
3`-

-3`
-5`

2) 5`-
3`-

-3`
-5`



EcoRI
 3×10^9 . . .
 - ?

:

,

, , ,

-

,

$1/4$.

(,)

$1/4 \times 1/4 =$

$(1/4)^2,$

$(1/4)^6 = 1/4096.$

, EcoRI

4096

n+1

n

3×10^9

$732\ 422 (3 \times 10^9 / 4096)$

EcoRI.

, EcoRI

$732\ 422 + 1$

23

.

,

EcoRI

$732422 + 23$

.

EcoRI,

?

: 732445

EcoRI.

19.

:

- ?

:

EcoRI,

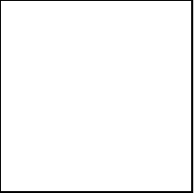
1 , 1

2 , 2

1) 5`-
 3`-

:
 1)
 -5`

-3`



2) 5`-
3`-

2)

-3`
-5`

1 2 .
,

5`-
3`-

- - - - -
- - - - -

-3`
-5`
1 2

“ “

:

EcoRI

6.

3.3.

:

- 1.
- 2.
- 3.
- 4.

EcoRI?

- 5.
- ?

?

?

()