

1.



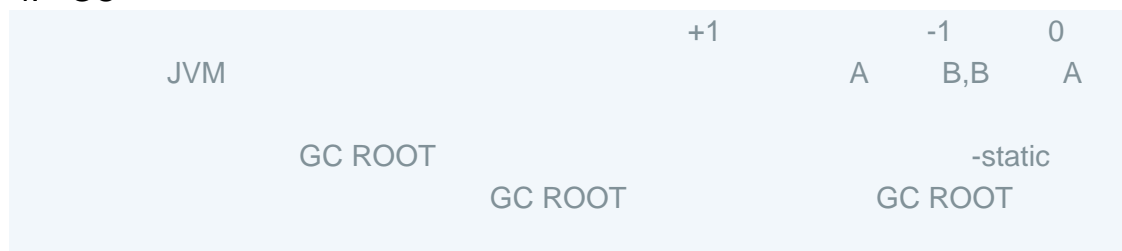
2. Eden survival from+ to



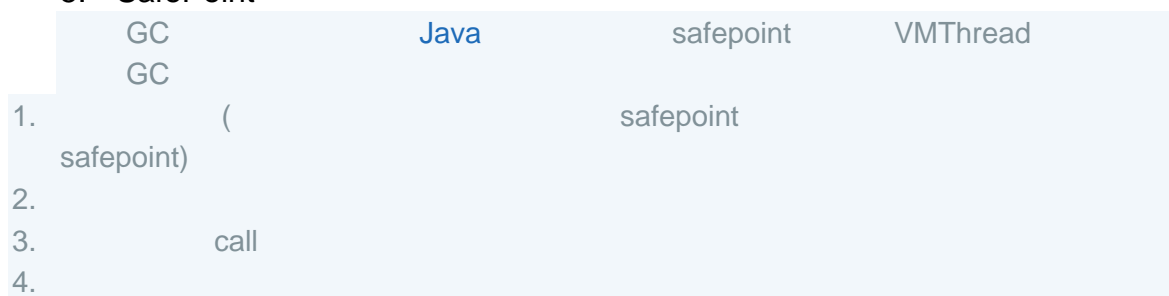
3.



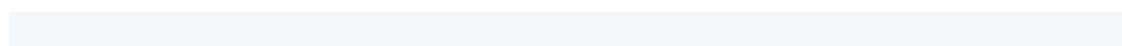
4. GC



5. SafePoint



6. GC



8 1 Eden survivor YGC

7. GC CMS G1

GC
CMS
G1
“ — ”
“ — ”
“ ”
Region

8. Minor GC Full GC

MGC YGC JVM FGC

9. jmap jstack jconsole jhat

jstack jmap jhat dump
mat eclipse

10.

class class

11.JVM ?

```
java :  
  
1. GC  
GC  
2.  
3.  
4.  
  
:  
  
1. , java
```

2.

3.

returnAddress

4.

5.

.

Native

java

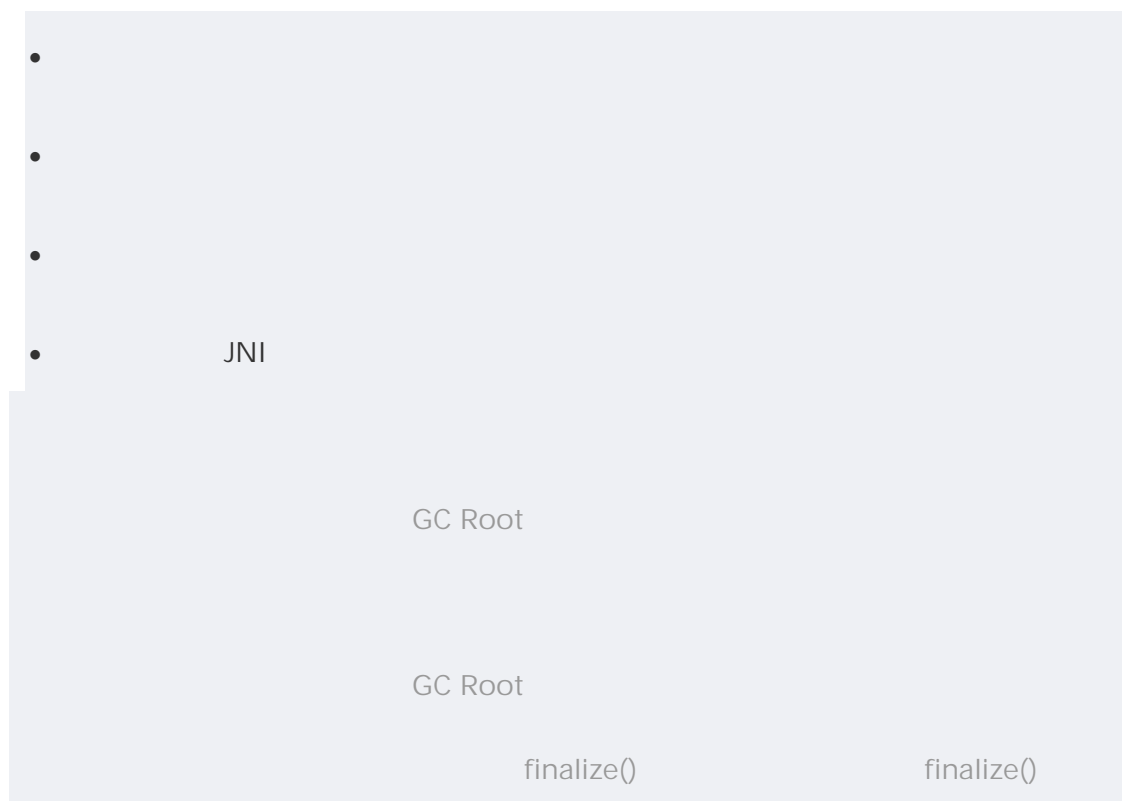
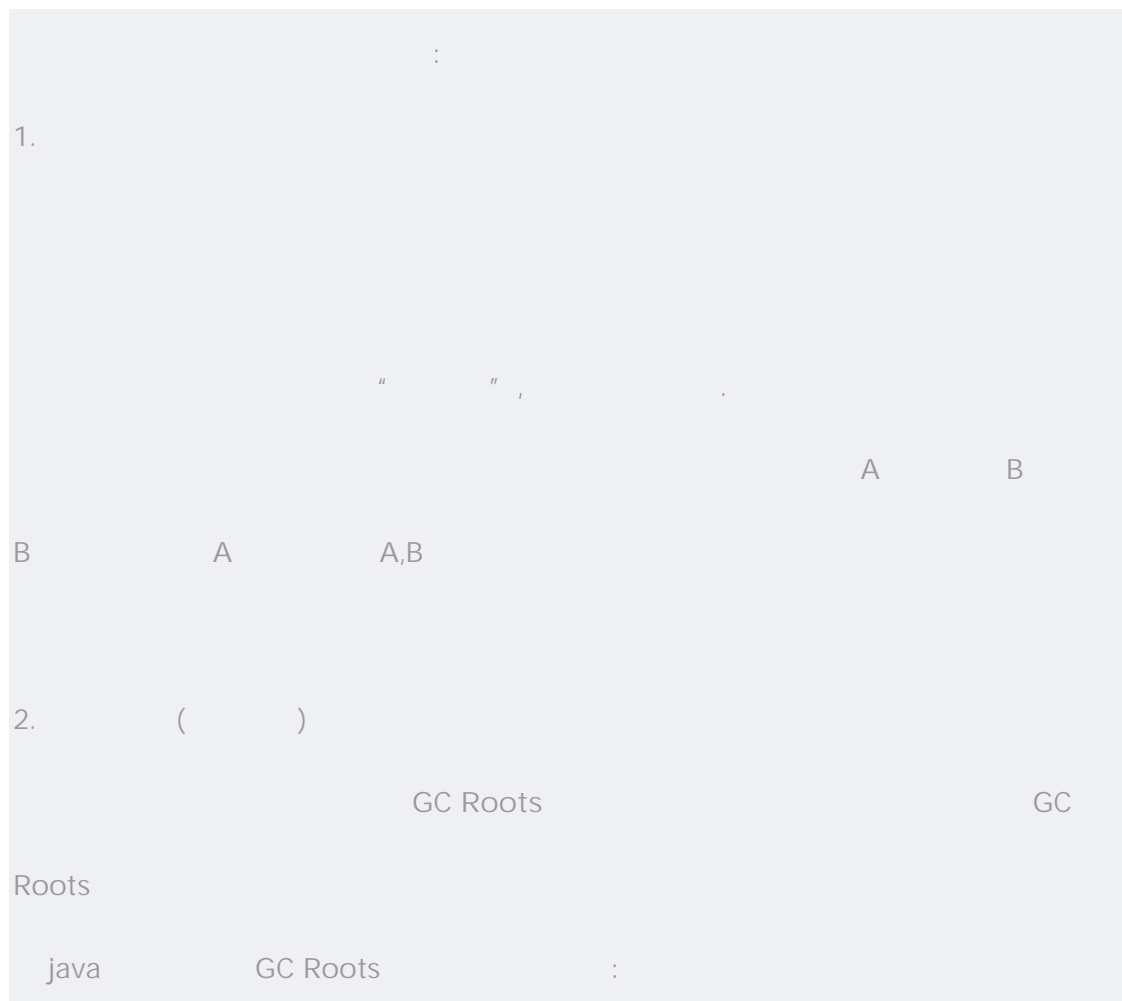
java

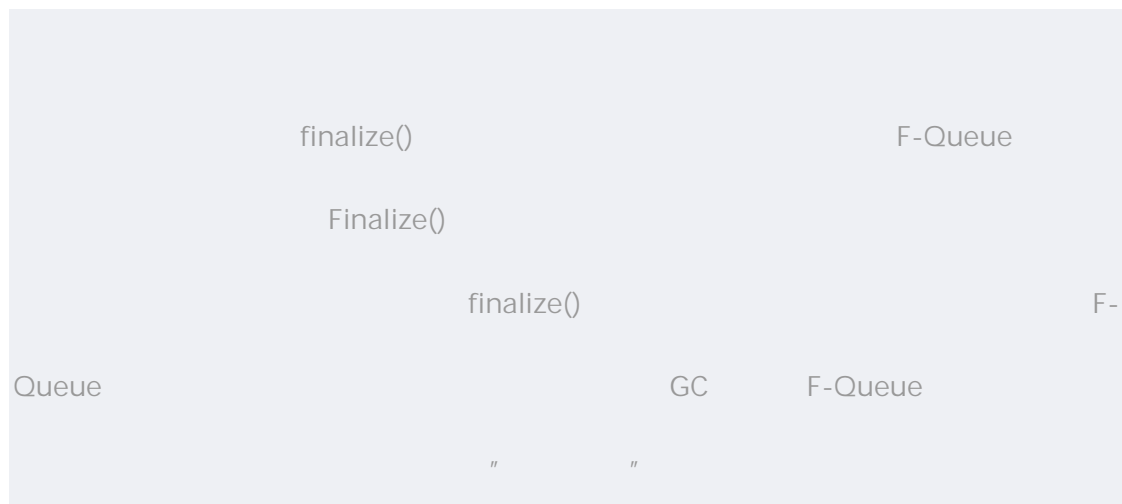
OOM

12.

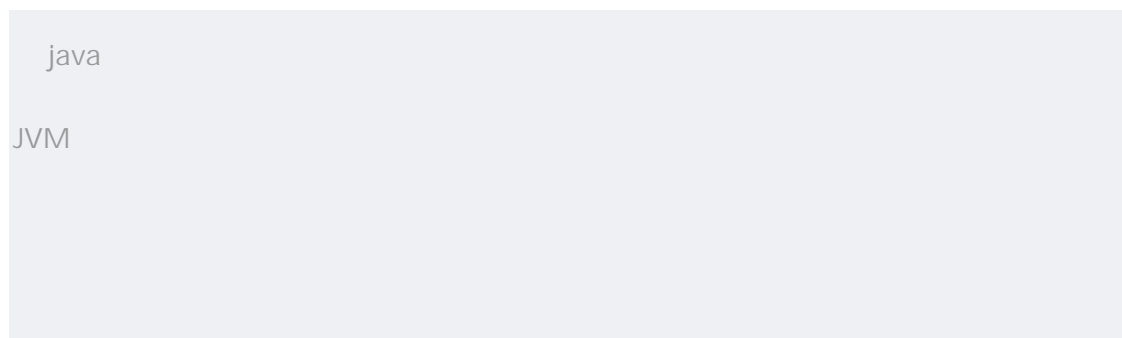
?(GC

)

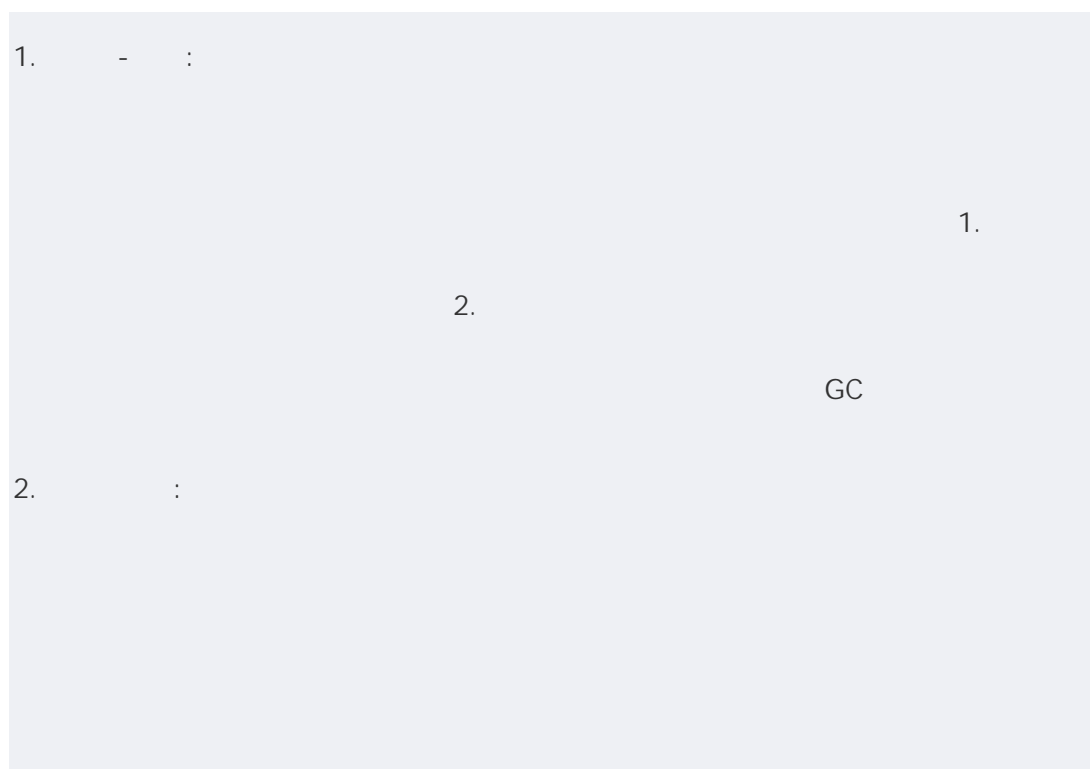




13. java ?

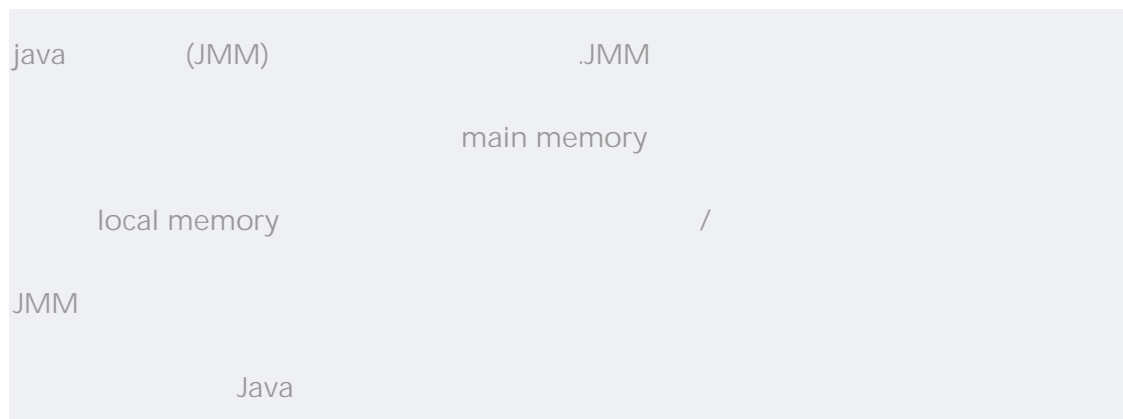


14.java ?





15.java



	A	B		2
1.	A	A		
2.	B		A	

16.java ?

java	7		
1.			
2.			
3.	Class		
	Class		.
	:		
1.		Class	
			.
2.	:		
3.			

4.

Java

```
public static int value=123; //      value      0  
  
123
```

- 1

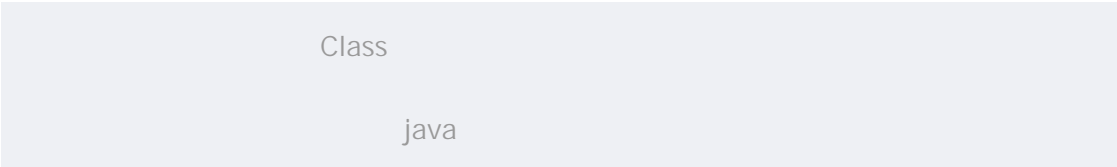
- 2

- 1

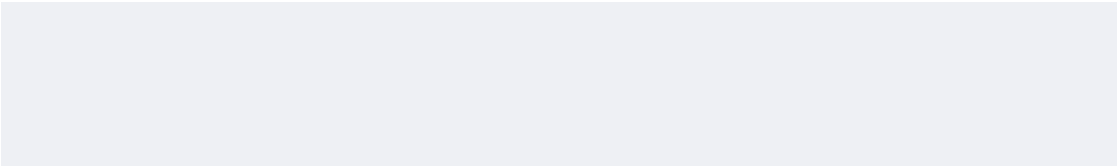
- 2

Java

17. java ?

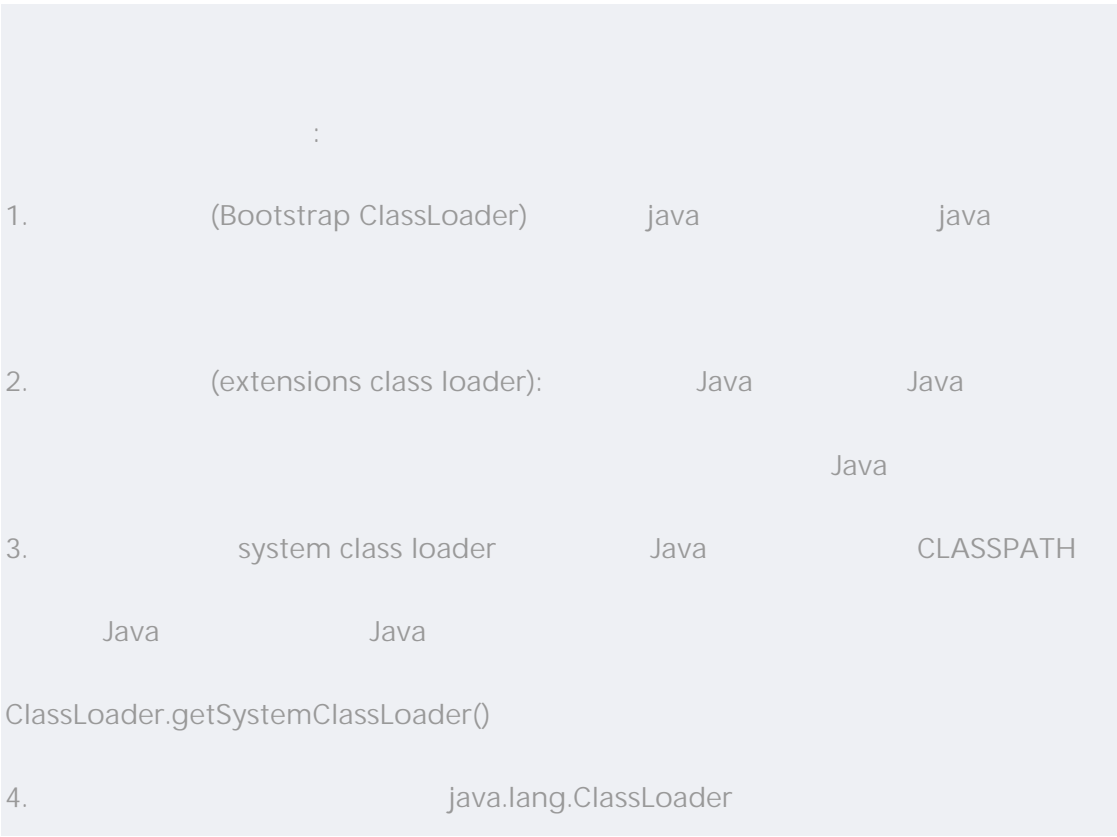


18.



19.

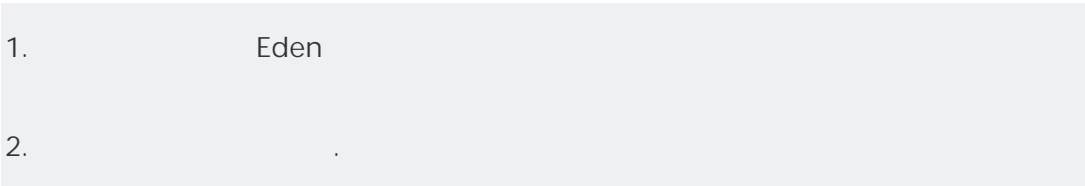
?



20. java

Minor GC

Major GC



3.

Eden

Minor GC.Minor Gc

Eden

Gc

;Full Gc/Major GC

GC

Minor GC,

Full GC

Minor

GC