已知串为s =‘aaab’, t =‘abcabaa’,u =‘abcaabbabcabaacbacba’，求它们的next 函数和nextval函数。

解：

对于s =‘aaab’

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | a | a | a | b |
| next | 0 | 1 | 2 | 3 |
| nextval | 0 | 0 | 0 | 3 |

对于t =‘abcabaa’

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | a | b | c | a | b | a | a |
| next | 0 | 1 | 1 | 1 | 2 | 3 | 2 |
| nextval | 0 | 1 | 1 | 0 | 1 | 3 | 2 |

对于u =‘abcaabbabcabaacbacba’

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | a | b | c | a | a | b | b | a | b | c | a | b | a | a | c | b | a | c | b | a |
| next | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 3 | 2 | 1 | 1 | 1 | 2 | 1 | 1 |
| nextval | 0 | 1 | 1 | 0 | 2 | 1 | 3 | 0 | 1 | 1 | 0 | 5 | 3 | 2 | 1 | 1 | 0 | 2 | 1 | 0 |