

Josephus问题的C 新解法 PDF转换可能丢失图片或格式，建议
阅读原文

https://www.100test.com/kao_ti2020/133/2021_2022_Josephus_E9_97_c97_133794.htm

```
Josephus.h class Josephus { public: void  
OutControl(int num,int begin,int interval). protected: int num. int  
begin. int interval. }. List.h struct People { int number. People *next.  
}. class List { public: List (int num)//初始化point->number {  
josephus = new People[num]. point = josephus. for(int i=1.i{  
point->number = i . point->next = josephus i % num. /*利用 1取模  
的方式设置节点的next指针, 当到最后的时候自动指向到第一  
个,形成环链 */ point = point->next. } point =  
amp.josephus[num-1]. if (begin>=2)  
point=&amp.josephus[begin-2]. } void List::Count(int interval) //通  
过循环不断的寻找需要放弃的节点 { for(int i=0.i{ cut_point =  
point. point = cut_point->next. } } void List::Show() //打印号码 {  
coutnumber} void List::Output() //使不需要的节点脱离 {  
cut_point->next = point->next. point=cut_point. } main.cpp  
#include #include "Josephus.h" using namespace std. void main() {  
int num,begin,interval. coutcin>>num. if(num{ coutreturn. }  
coutcin>>begin. if(beginnum) { coutreturn. } coutcin>>interval.  
if(intervalnum) { coutreturn. } Josephus in.  
in.OutControl(num,begin,interval). cin.get (). cin.get (). } 100Test  
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www.100test.com
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