渤海大学生实验报告

(信息科学与技术学院)

实验课课程名称: 操作统

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实验室房间号	I针楼(504.	日期时间	2022年10月	141	第(3.4)节
年级、班	20级月到王	学号	200/2349	姓名	科注明
实验项目 名 称	经典进程同时问题一	毕者消费	者	指导,教师	计德寸
实验环境	PC解答和 windows 年约	₺,c+†		加沙贝	
头巡口叫	通过编写经典进程的		1. 65 10 44 甲和	计论等)	A. KOMOVIA
【实验内容】(算法、程序、步骤、数 、C和 Prestuc 中实现	据记录与证	十算、实验结果和	对比等人 4410年人	神用的卷
L的声 mute)	r, c和 prestuc 中实现	进样的	他是,到此种门司了里	the state of	INNOUTE.
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DWORD WINAPI consumer ( DroLD, Param) of
    int next c;
   struct rolata = *(struct rx) param;
                                                & coutp(i), o & Threadtd ([i]];
   strand (unsigned) time (WLD) + data i + i+1);
                                                for (i=0; i < pnum; i++){
   while(1) of
                                                     (ount[i], j=i+1;
    wait Formingle Object (full, IMPIN IFE):
                                                    ThreadHandle[i] = GreatThread
    waitlowsingleobject (mutexiINFINIPE);
                                                 CNULL, ofpn, Summer & Count [i], 0.&
    next = buffer[out];
                                                   ThreadId [i]);
    out = (out t1) &N;
    Printf("消费者%(取产品从并准多",obta,f.nextc);
                                                  sleep (sleep time);
                                                  getchay()
    Release Semaphone (empty. 1, NULL);
                                                  return 0;
    Sleep(1000);
                                                   实验结果:
   int main (int aggichar kang[])
                                                      生務3毕了路18190举办入线
     int sleep time , pncom, cnum;
                                                      冲池]
     DWORD * ThreadIdp. * ThreadId(T:
    HAMDLE * Thread Horolle P. * Thread HAMDLec; 消费自取出产品1890,新腌了
   sleeptime = 2000;
   Prum = 3 - Crum = 3 :
   Thread Hondle P=(HNAPLE)*)malloc (Pnum *size of (HANPLES):
   Thread Handle C = (HANDLE *) malloc [crum * size of (HANDLE)));
   Thread GAMP DLEIP = CP WOROX) malloc (frum * size of CDW OADI);
   Thread Id G = CHANDLE + mallock num * sesize of (HAMDLE);
 mutex = creatementex (NULL, FALSE, NULL);
 empty = createSemuphone (NULL,N,N,MLL)i
fall = create-semuphore (NVLL, N, NVLL);
For (i=0; i < pum; i++) {
ThreadHandle P[i] = Create Thread (WUL, opredator).
Es countp[i]i=i+1;
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年月