▲ 工科试验班(信息) 张佳瑶 61 ▼ 🔱 淅沙北寧 学任浙大 意见建议 帮助 工作空间 课程 资源库 作业 > 复查测验提交: 第8章 内存管理 作业 C 🖆 复查测验提交: 第8章 内存管理 作业 ▼ 操作系统 课程通知 工科试验班(信息) 张佳瑶 用户 课程信息 课程 操作系统 教学日历 第8章 内存管理 作业 测试 已开始 19-11-25 下午8:58 课件 已提交 19-11-25 下午9:03 作业 19-12-1 下午11:30 截止日期 实验 已完成 状态 得 88 分, 满分 88 分 Quiz 已用时间 4 分钟 教学研讨 显示的结果 所有答案,已提交的答案,正确答案 课程资料 问题 1 教学大纲 得 12 分, 满分 12 分 国家精品资源共享课程 Assuming a 1-KB page size, what are the page numbers and offsets for the following address references (provided as decimal numbers): 工具 page numbers: [a1], offsets: [a2] a. 3085 帮助 page numbers: [a3], offsets: [a4] c. 215201 page numbers: [a5], offsets: [a6] a1 的指定答案: 🔮 3 a2 的指定答案: 🚫 13 a3 的指定答案: a4 的指定答案: a5 的指定答案: a6 的指定答案: 🔮 161 a1 的正确答案: 正确答案 评估方式 区分大小写 👩 完全匹配 a2 的正确答案: 正确答案 评估方式 区分大小写 👩 完全匹配 13 a3 的正确答案: 正确答案 评估方式 区分大小写 😋 完全匹配 41 a4 的正确答案: 正确答案 评估方式 区分大小写 111 🔮 完全匹配 a5 的正确答案: 评估方式 区分大小写 正确答案 210 👩 完全匹配 a6 的正确答案: 正确答案 区分大小写 评估方式 🔮 完全匹配 161 问题 2 得 10 分, 满分 10 分 The BTV operating system has a 21-bit virtual address, yet on certain embedded devices, it has only a 16-bit physical address. It also has a 2-KB page size. How many entries are there in each of the following? a. A conventional, single-level page table 答案(填10进制数):[a1] b. An inverted page table 答案(填10进制数):[a2] a1 的指定答案: a2 的指定答案: 🚫 32 a1 的正确答案: 正确答案 评估方式 区分大小写 1024 👩 完全匹配 a2 的正确答案: 正确答案 评估方式 区分大小写 👩 完全匹配 32 问题 3 得 10 分,满分 10 分 Consider a logical address space of 256 pages with a 4-KB page size, mapped onto a physical memory of 64 frames. a. How many bits are required in the logical address? 答案(填十进制数):[a1] bits b. How many bits are required in the physical address?答案(填十进制数):[a2] bits a1 的指定答案: a2 的指定答案: a1 的正确答案: 评估方式 正确答案 区分大小写 👩 完全匹配 20 a2 的正确答案: 评估方式 正确答案 区分大小写 👩 完全匹配 18 问题 4 得 36 分, 满分 36 分 Given six memory partitions of 100 MB, 170 MB, 40 MB, 205 MB, 300 MB, and 185 MB (in order), how would the first-fit, best-fit, and worst-fit algorithms place processes of size 200 MB, 15 MB, 185 MB, 75 MB, 175 MB, and 80 MB (in order)? First-fit: 1. 200M process put in **[a1]** 2. 15M process put in [a2] 3. 185M process put in **[a3]** 4. 75M process put in **[a4]** 5. 175M process put in **[a5]** 6. 80M process put in **[a6] Best-fit** 1. 200M process put in **[a7]** 2. 15M process put in **[a8]** 3. 185M process put in **[a9]** 4. 75M process put in **[a10]** 5. 175M process put in **[a11]** 6. 80M process put in **[a12] Worst-fit** 1. 200M process put in **[a13]** 2. 15M process put in **[a14]** 3. 185M process put in **[a15]** 4. 75M process put in **[a16]** 5. 175M process put in **[a17]** 6. 80M process put in **[a18]** Given six memory partitions of 100 MB, 170 MB, 40 MB, 205 MB, 300 MB, and 185 MB (in order), how would the first-fit, best-fit, and worst-fit algorithms 所选答案: place processes of size 200 MB, 15 MB, 185 MB, 75 MB, 175 MB, and 80 MB (in order)? First-fit: 1. 200M process put in **205MB partition** 2. 15M process put in **3 100MB partition** 3. 185M process put in S 300MB partition 4. 75M process put in 3 100MB partition 5. 175M process put in 🔇 185MB partition 6. 80M process put in 3 170MB partition **Best-fit** 1. 200M process put in **205MB partition** 2. 15M process put in **40MB partition** 3. 185M process put in **3. 185MB partition** 4. 75M process put in **3 100MB partition** 5. 175M process put in 300MB partition 6. 80M process put in 300MB partition **Worst-fit** 1. 200M process put in S 300MB partition 2. 15M process put in **205MB partition** 3. 185M process put in **205MB partition** 4. 75M process put in 3 185MB partition 5. 175M process put in 🔇 must wait 6. 80M process put in 3 170MB partition Given six memory partitions of 100 MB, 170 MB, 40 MB, 205 MB, 300 MB, and 185 MB (in order), how would the first-fit, best-fit, and worst-fit algorithms 答案: place processes of size 200 MB, 15 MB, 185 MB, 75 MB, 175 MB, and 80 MB (in order)? First-fit: 1. 200M process put in **205MB partition** 2. 15M process put in **3** 100MB partition 3. 185M process put in S 300MB partition 4. 75M process put in **3 100MB partition** 5. 175M process put in **3 185MB partition** 6. 80M process put in **3 170MB partition Best-fit** 1. 200M process put in **205MB partition** 2. 15M process put in **40MB partition** 3. 185M process put in **3. 185MB partition** 4. 75M process put in **3 100MB partition** 5. 175M process put in 300MB partition 6. 80M process put in 300MB partition **Worst-fit** 1. 200M process put in S 300MB partition 2. 15M process put in **205MB partition** 3. 185M process put in 205MB partition 4. 75M process put in 3 185MB partition 5. 175M process put in 🔇 must wait 6. 80M process put in **3 170MB partition** 所有答案选项 100MB partition 170MB partition 40MB partition 205MB partition 300MB partition 185MB partition must wait 问题 5 得 10 分, 满分 10 分 Consider a paging system with the page table stored in memory. Consider a paging system with the page table stored in memory. a. If a memory reference takes 50 nanoseconds, how long does a paged memory reference take? 答案(填写数值): [a1] ns b. If we add TLBs, and if 75 percent of all page-table references are found in the TLBs, what is the effective memory reference time? (Assume that finding a page-table entry in the TLBs takes 2 nanoseconds, if the entry is present.) 答案(填写数值): [a2] ns a1 的指定答案: a2 的指定答案: a1 的正确答案: 评估方式 正确答案 区分大小写 👩 完全匹配 100 a2 的正确答案: 正确答案 评估方式 区分大小写 👩 完全匹配 64.5 问题 6 得 10 分, 满分 10 分 Considering the segment table, what are the physical addresses for the following logical addresses? Segment Base Length 219 600 2300 14 90 100 1327 580 1952 96 What are the physical addresses for the following logical addresses? a. 0,430 答案: **[a1]** b. 1,10 答案: **[a2]** c. 2,500 答案: **[a3]** d. 3,400 答案: **[a4]** e. 4,112 答案: **[a5]** 

注:如果地址越界,填空值为: invalid , 否则填空值为十进制数地址。 a1 的指定答案: **2310** a2 的指定答案: 🔇 invalid a3 的指定答案: a4 的指定答案: a5 的指定答案: 🔮 invalid a1 的正确答案: 正确答案 区分大小写 评估方式 649 🥑 完全匹配 a2 的正确答案: 正确答案 区分大小写 评估方式 2310 🥑 完全匹配 a3 的正确答案: 正确答案 评估方式 区分大小写 🔮 包含 invalid a4 的正确答案: 正确答案 区分大小写 评估方式 1727 🥑 完全匹配 a5 的正确答案: 正确答案 评估方式 区分大小写 🔮 模式匹配 invalid 2020年1月1日 星期三 下午10时45分04秒 CST ← 确定