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| **计算机组成原理课程设计实验演示程序** | | | | | | | |
|  | **寄存器初值** | **R2=60H** | **R3=0FDH** |  |  |  |  |
|  | **存储器初值** | **[60H]=67H** | **[61H]=80H** | **[62H]=0FDH** | **[80H]=60** | **[0FEH]=03H** | **[0FFH]=03H** |
|  |  |  |  |  |  |  |  |
| **地址** | **程序指令** | **机器码** | **16进制** |  |  |  |  |
| **00H** | **LD R0,[R2]** |  |  |  |  |  |  |
| **01H** | **INC R2** |  |  |  |  |  |  |
| **02H** | **LD R1,[R2]** |  |  |  |  |  |  |
| **03H** | **ADD R0,R1** |  |  |  |  |  |  |
| **04H** | **JC 06H** |  |  |  |  |  |  |
| **05H** | **AND R1,R0** |  |  |  |  |  |  |
| **06H** | **SUB R0,R2** |  |  |  |  |  |  |
| **07H** | **INC R1** |  |  |  |  |  |  |
| **08H** | **STA R0,[R1]** |  |  |  |  |  |  |
| **09H** | **INC R3** |  |  |  |  |  |  |
| **0AH** | **JZ 0DH** |  |  |  |  |  |  |
| **0BH** | **LD R2,[R3]** |  |  |  |  |  |  |
| **0CH** | **JMP [R2]** |  |  |  |  |  |  |
| **0DH** | **INC R3** |  |  |  |  |  |  |
| **0EH** | **INC R3** |  |  |  |  |  |  |
| **0FH** | **SUB R0,R2** |  |  |  |  |  |  |
| **10H** | **LD R2,[R0]** |  |  |  |  |  |  |
| **11H** | **ADD R3,R2** |  |  |  |  |  |  |
| **12H** | **LD R3,[R3]** |  |  |  |  |  |  |
| **13H** | **OUT R0** |  |  |  |  |  |  |
| **14H** | **STP** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **寄存器检测** | **R0=** | **R1=** | **R2=** | **R3=** |  |  |  |
| **存储器检测** | **[81H]=** | **[82H]=** | **[83H]=** |  |  |  |  |
|  |  |  |  |  |  |  |  |
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