JOEN NINAN JOHNSON IBM19C3199 LAB PROGRAM-15 Propoun to demo the elevation interface. 1: #include < stdio.h> #include < reg 51.h> unsigned char redata Command word _ata - Ozelo3; unsigned chas adata PostA _at_Oxegor; unsigned char ordata PostB _ata One 807; unsigned chas robbta Besent Floor, Requested Floor, Step = 0xf0; unsigned long xdata (munt, i; hr ((ourt = 0; (ount <= 4500; Grent ++). Reset () Step = Step & Oxof; PortA = Step; Step=Step \ Oxf0; PostA = Step; Z switch (Requested Floor) case Oxod: while (step < 0xf3)

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Both = Step;

JOER NIMAN JCHNSON 1BM19CS197 00/01/31 Pelay (); ResetC); break; Orlob: while (Step (Oxf6) case Step ++; Post A= Step; Delay CD: Reset C); break; case 0x07: while (step < 0x49) 8 tep ++; PortA = Step; hesetci; break; 2 3 Go Down C

JOER NINMY JOHNSON 1BM196399 8/01/21 break, case Onob: while (step > 0xf6) 2 ResetC); break; case Once: while (Step > Oxfo) Jelay C); Reset (); break; 3 void main () Command Word = 0x82; PostA = Oxfo; Presentflow = Ox De; regrested Floor = onthern Posts;

JOEL NINAN JOHNSON 1BM1903199 Requested Floor = Requested Floor & Onof. feoplested Flors 1 = Ox of fl faguested Flors 1 = Present Flor if (Requested Floor < Present Floor) Present Floor = Requested Floor; lequested Floor = Port B;