```c
/* ========================================
 *
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 *
 * ========================================
*/
#include <project.h>

/*
 *========================================
 *
 * Lavet af
 * Ultrapro programmøren
 * John Pierre Cox
 * den 22.10.2014
 * til semester 3 projektet
 * Solpanel tingen
 *
 *========================================
 */

int main()
{
    /* Place your initialization/startup code here (e.g. MyInst_Start()) */
    const int period=990;
    const int on=1;
    const int off=0;



    Pin_1_Write(off);
    Pin_2_Write(off);
    /*Pin_3_Write(off);
    Pin_4_Write(off);*/

    /* CyGlobalIntEnable; */ /* Uncomment this line to enable global interrupts. */
    for(;;)
    {
        /* Port 2 er lukket. Port 1 åbner og lukker*/



        Pin_1_Write(on);
        CyDelayUs(period*0.3);

        Pin_1_Write(off);
        CyDelayUs(period*0.7);

        Pin_1_Write(on);
```

```c
        CyDelayUs(period*0.58);

        Pin_1_Write(off);
        CyDelayUs(period*0.42);

        Pin_1_Write(on);
        CyDelayUs(period*0.8);

        Pin_1_Write(off);
        CyDelayUs(period*0.2);

        Pin_1_Write(on);
        CyDelayUs(period*0.95);

        Pin_1_Write(off);
        CyDelayUs(period*0.05);

        Pin_1_Write(on);
        CyDelayUs(period*1);

        Pin_1_Write(off);
        CyDelayUs(period*0.05);

        Pin_1_Write(on);
        CyDelayUs(period*0.95);

        Pin_1_Write(off);
        CyDelayUs(period*0.2);

        Pin_1_Write(on);
        CyDelayUs(period*0.8);

        Pin_1_Write(off);
        CyDelayUs(period*0.42);

        Pin_1_Write(on);
        CyDelayUs(period*0.58);

        Pin_1_Write(off);
        CyDelayUs(period*0.7);

        Pin_1_Write(on);
        CyDelayUs(period*0.3);

        Pin_1_Write(off);
        CyDelayUs(period*0.55);
        /*CyDelayUs(period*1);

        */

        /* Port 1 er lukket. Port 2 åbner og lukker*/
```

```c
Pin_2_Write(on);
CyDelayUs(period*0.3);

Pin_2_Write(off);
CyDelayUs(period*0.7);

Pin_2_Write(on);
CyDelayUs(period*0.58);

Pin_2_Write(off);
CyDelayUs(period*0.42);

Pin_2_Write(on);
CyDelayUs(period*0.8);

Pin_2_Write(off);
CyDelayUs(period*0.2);

Pin_2_Write(on);
CyDelayUs(period*0.95);

Pin_2_Write(off);
CyDelayUs(period*0.05);

Pin_2_Write(on);
CyDelayUs(period*1);

Pin_2_Write(off);
CyDelayUs(period*0.05);

Pin_2_Write(on);
CyDelayUs(period*0.95);

Pin_2_Write(off);
CyDelayUs(period*0.2);

Pin_2_Write(on);
CyDelayUs(period*0.8);

Pin_2_Write(off);
CyDelayUs(period*0.42);

Pin_2_Write(on);
CyDelayUs(period*0.58);

Pin_2_Write(off);
CyDelayUs(period*0.7);

Pin_2_Write(on);
CyDelayUs(period*0.3);

Pin_2_Write(off);
CyDelayUs(period*0.55);
```

```c
        /* CyDelayUs(period*1);
         */




        /* Place your application code here. */
    }
}

/* [] END OF FILE */
```