#include <lpc17xx.h>

unsigned int A[8];

unsigned int B[8];

unsigned int i, djostic;

unsigned int i0;

void delay(int count){

for (i0 = 0; i0 < count; i0++)

{

}

}

int main()

{

SystemInit();

A[0] = (1<<6);

A[1] = (1<<5);

A[2] = (1<<4);

A[3] = (1<<3);

A[4] = (1<<2);

A[5] = (1<<31);

A[6] = (1<<29);

A[7] = (1<<28);

LPC\_GPIO2->FIODIR |= (1<<2) | (1<<3) | (1<<4) | (1<<5) | (1<<6) ; // P2.2 - P2.6 - OUT

LPC\_GPIO1->FIODIR |= (1<<28) | (1<<29) | (1<<31) ; // P1.28, P1.29, P1.31 - OUT

while (1)

{

for (i = 0; i < 8; i++)

{

djostic = LPC\_GPIO1->FIOPIN & (1<<20);

if(djostic != 0)

{

if (i <= 4){

LPC\_GPIO2->FIOPIN = A[i];

LPC\_GPIO1->FIOPIN = 0;

} else {

LPC\_GPIO1->FIOPIN = A[i];

LPC\_GPIO2->FIOPIN = 0;

}

}

else{

if (i <= 4){

LPC\_GPIO2->FIOPIN = ~A[i];

LPC\_GPIO1->FIOPIN = ~0;

} else {

LPC\_GPIO1->FIOPIN = ~A[i];

LPC\_GPIO2->FIOPIN = ~0;

}

}

delay(500000);

}

}

}