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Pratyush Jaiswal 18EE30021

· INCLUDE "M32 DEF. INC"

0

5

0

>

3

>

7

5

DI BARA, RAB ; define PORTA imput DE OT DARB, RAB; define PORTR input

OUT DARD, RH; define PORTC output

IN RIF, PINB.

ADD RIS, RI, RIS; FIX = RIGHRIT

BRIN + emp.; chucking for comy.

LDI RIO, OKFO

OUT PORTD, RIO

OUT PORTD, RIO
OUT PORTD, RIO-

Here if acuailian carry is zero then
the ortfret will be OF to PORTD

& ortherwise FO to PORTD.

LDI R18,0x00 CDI R19,0x00 LDI R20,0x08

Loops:

BST R16, P18 BRTS BITSET

> INC R18 CP R18, R20 RRND LOOP1

BITSET:

INC REG

Same is repeated for R17
RST L19,0

BRTS OUT1: Odd fairly
BRTS OUT2: even lovidy

OUT 1 CORTC, R22

OUT 2: LDI RY, OXFF OUT PORTC, R22.