Byteorientiert

Decode

InstructionCode iC

opCode = instructionCode & 0b0011\_1111\_0000\_0000

destBit = instructionCode & 0b0000\_0000\_1000\_0000

fileCode = instructionCode & 0b0000\_0000\_0111\_1111

Carry, digit , zero für alles geltend

MOVF

Start

tart

Decode

Zero(ram[rb0][fileCode] % 256

)

InstructionCode = 0b0000\_1000\_0000\_0000

nein ja

ram[bank][fileCode] = ram[bank][fileCode]&(0<<bitCode)

Ende

pC++

Zero

Zero

Result == 0

Zerobit = 1

Zerobit = 1

ram[rb0][3] = (ram[rb0][3]) | (zerobit << 2)

ram[rb0][3] = (ram[rb0][3]) | (zerobit << 2)

DECFSZ

Start

tart

Decode

InstructionCode = 0b0000\_1011\_0000\_0000

ram[rb0][fileCode]=(lz(--ram[rb0][fileCode]))%256)

ram[rb0][fileCode] == 0?

nein

ram[bank][fileCode] = ram[bank][fileCode]&(0<<bitCode)

pC++

Ende