

Instruction Variations

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More shifts

Condition flags

Condition flags

Conditional instructions

```
top:  CMP  r3, r4  
      SUBGT r3, r3, r4  
      SUBLT r4, r4, r3  
      BNE top
```

Stack operations & multiple destinations

String instructions

MOV AX, FFh

MOV DI, 5000h

MOV CX, 2000h

REP STOSB

Vector instructions

vaddubs v3, v1, v2