

```

AAA = 37
AAD = D5 0A
AAD imm8 = D5 ib
AAM = D4 0A
AAM imm8 = D4 ib
AAS = 3F
ADC r/m8 r8 = 10 /r
ADC r/m16 r16 = 11 /r
ADC r/m32 r32 = 11 /r
ADC r8 r/m8 = 12 /r
ADC r16 r/m16 = 13 /r
ADC r32 r/m32 = 13 /r
ADC AL imm8 = 14 ib
ADC EAX imm32 = 15 id
ADC AX imm16 = 15 iw
ADC r/m8 imm8 = 80 /2 ib
ADC r/m32 imm32 = 81 /2 id
ADC r/m16 imm16 = 81 /2 iw
ADC r/m16 imm8 = 83 /2 ib
ADC r/m32 imm8 = 83 /2 ib
ADD r/m8 r8 = 00 /r
ADD r/m16 r16 = 01 /r
ADD r/m32 r32 = 01 /r
ADD r8 r/m8 = 02 /r
ADD r16 r/m16 = 03 /r
ADD r32 r/m32 = 03 /r
ADD AL imm8 = 04 ib
ADD EAX imm32 = 05 id
ADD AX imm16 = 05 iw
ADD r/m8 imm8 = 80 /0 ib
ADD r/m32 imm32 = 81 /0 id
ADD r/m16 imm16 = 81 /0 iw
ADD r/m16 imm8 = 83 /0 ib
ADD r/m32 imm8 = 83 /0 ib
ADDPD xmm1 xmm2/m128 = 66 0F 58 /r
ADDPs xmm1 xmm2/m128 = 0F 58 /r
ADDSD xmm1 xmm2/m64 = F2 0F 58 /r
ADDSS xmm1 xmm2/m32 = F3 0F 58 /r
ADDSUBPD xmm1 xmm2/m128 = 66 0F D0 /r
ADDSUBPS xmm1 xmm2/m128 = F2 0F D0 /r
AND r/m8 r8 = 20 /r
AND r/m16 r16 = 21 /r
AND r/m32 r32 = 21 /r
AND r8 r/m8 = 22 /r
AND r16 r/m16 = 23 /r
AND r32 r/m32 = 23 /r
AND AL imm8 = 24 ib
AND EAX imm32 = 25 id
AND AX imm16 = 25 iw
AND r/m8 imm8 = 80 /4 ib
AND r/m32 imm32 = 81 /4 id
AND r/m16 imm16 = 81 /4 iw
AND r/m16 imm8 = 83 /4 ib
AND r/m32 imm8 = 83 /4 ib
ANDNPD xmm1 xmm2/m128 = 66 0F 55 /r
ANDNPS xmm1 xmm2/m128 = 0F 55 /r
ANDPD xmm1 xmm2/m128 = 66 0F 54 /r
ANDPS xmm1 xmm2/m128 = 0F 54 /r
ARPL r/m16 r16 = 63 /r
BOUND r16 m16&16 = 62 /r
BOUND r32 m32&32 = 62 /r
BSF r16 r/m16 = 0F BC /r
BSF r32 r/m32 = 0F BC /r
BSR r16 r/m16 = 0F BD /r
BSR r32 r/m32 = 0F BD /r
BSWAP r32 = 0F C8+rd
BT r/m16 r16 = 0F A3 /r
BT r/m32 r32 = 0F A3 /r
BT r/m16 imm8 = 0F BA /4 ib

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BT r/m32 imm8 = 0F BA /4 ib
BTC r/m16 imm8 = 0F BA /7 ib
BTC r/m32 imm8 = 0F BA /7 ib
BTC r/m16 r16 = 0F BB /r
BTC r/m32 r32 = 0F BB /r
BTR r/m16 r16 = 0F B3 /r
BTR r/m32 r32 = 0F B3 /r
BTR r/m16 imm8 = 0F BA /6 ib
BTR r/m32 imm8 = 0F BA /6 ib
BTS r/m16 r16 = 0F AB /r
BTS r/m32 r32 = 0F AB /r
BTS r/m16 imm8 = 0F BA /5 ib
BTS r/m32 imm8 = 0F BA /5 ib
CALL ptr16:16 = 9A cd
CALL ptr16:32 = 9A cp
CALL rel32 = E8 cd
CALL rel16 = E8 cw
CALL r/m16 = FF /2
CALL r/m32 = FF /2
CALL m16:16 = FF /3
CALL m16:32 = FF /3
CBW = 98
CDQ = 99
CLC = F8
CLD = FC
CLFLUSH m8 = 0F AE /7
CLI = FA
CLTS = 0F 06
CMC = F5
CMOVA r16 r/m16 = 0F 47 /r
CMOVA r32 r/m32 = 0F 47 /r
CMOVAE r16 r/m16 = 0F 43 /r
CMOVAE r32 r/m32 = 0F 43 /r
CMOVB r16 r/m16 = 0F 42 /r
CMOVB r32 r/m32 = 0F 42 /r
CMOVBE r16 r/m16 = 0F 46 /r
CMOVBE r32 r/m32 = 0F 46 /r
CMOVC r16 r/m16 = 0F 42 /r
CMOVC r32 r/m32 = 0F 42 /r
CMOVE r16 r/m16 = 0F 44 /r
CMOVE r32 r/m32 = 0F 44 /r
CMOVG r16 r/m16 = 0F 4F /r
CMOVG r32 r/m32 = 0F 4F /r
CMOVGE r16 r/m16 = 0F 4D /r
CMOVGE r32 r/m32 = 0F 4D /r
CMOVL r16 r/m16 = 0F 4C /r
CMOVL r32 r/m32 = 0F 4C /r
CMOVLE r16 r/m16 = 0F 4E /r
CMOVLE r32 r/m32 = 0F 4E /r
CMOVNA r16 r/m16 = 0F 46 /r
CMOVNA r32 r/m32 = 0F 46 /r
CMOVNAE r16 r/m16 = 0F 42 /r
CMOVNAE r32 r/m32 = 0F 42 /r
CMOVNB r16 r/m16 = 0F 43 /r
CMOVNB r32 r/m32 = 0F 43 /r
CMOVNBE r16 r/m16 = 0F 47 /r
CMOVNBE r32 r/m32 = 0F 47 /r
CMOVNC r16 r/m16 = 0F 43 /r
CMOVNC r32 r/m32 = 0F 43 /r
CMOVNE r16 r/m16 = 0F 45 /r
CMOVNE r32 r/m32 = 0F 45 /r
CMOVNG r16 r/m16 = 0F 4E /r
CMOVNG r32 r/m32 = 0F 4E /r
CMOVNGE r16 r/m16 = 0F 4C /r
CMOVNGE r32 r/m32 = 0F 4C /r
CMOVNL r16 r/m16 = 0F 4D /r
CMOVNL r32 r/m32 = 0F 4D /r
CMOVNLE r16 r/m16 = 0F 4F /r
CMOVNLE r32 r/m32 = 0F 4F /r

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CMOVNO r16 r/m16 = 0F 41 /r
CMOVNO r32 r/m32 = 0F 41 /r
CMOVNP r16 r/m16 = 0F 4B /r
CMOVNP r32 r/m32 = 0F 4B /r
CMOVNS r16 r/m16 = 0F 49 /r
CMOVNS r32 r/m32 = 0F 49 /r
CMOVNZ r16 r/m16 = 0F 45 /r
CMOVNZ r32 r/m32 = 0F 45 /r
CMOVO r16 r/m16 = 0F 40 /r
CMOVO r32 r/m32 = 0F 40 /r
CMOVP r16 r/m16 = 0F 4A /r
CMOVP r32 r/m32 = 0F 4A /r
CMOVPE r16 r/m16 = 0F 4A /r
CMOVPE r32 r/m32 = 0F 4A /r
CMOVPO r16 r/m16 = 0F 4B /r
CMOVPO r32 r/m32 = 0F 4B /r
CMOVS r16 r/m16 = 0F 48 /r
CMOVS r32 r/m32 = 0F 48 /r
CMOVZ r16 r/m16 = 0F 44 /r
CMOVZ r32 r/m32 = 0F 44 /r
CMP r/m8 r8 = 38 /r
CMP r/m16 r16 = 39 /r
CMP r/m32 r32 = 39 /r
CMP r8 r/m8 = 3A /r
CMP r16 r/m16 = 3B /r
CMP r32 r/m32 = 3B /r
CMP AL imm8 = 3C ib
CMP EAX imm32 = 3D id
CMP AX imm16 = 3D iw
CMP r/m8 imm8 = 80 /7 ib
CMP r/m32 imm32 = 81 /7 id
CMP r/m16 imm16 = 81 /7 iw
CMP r/m16 imm8 = 83 /7 ib
CMP r/m32 imm8 = 83 /7 ib
CMPEQPD xmm1 xmm2 = 66 0F C2 /r 00
CMPEQPS xmm1 xmm2 = 0F C2 /r 00
CMPEQSD xmm1 xmm2 = F2 0F C2 /r 00
CMPEQSS xmm1 xmm2 = F3 0F C2 /r 00
CMPLDPD xmm1 xmm2 = 66 0F C2 /r 02
CMPLDPS xmm1 xmm2 = 0F C2 /r 02
CMPLDSD xmm1 xmm2 = F2 0F C2 /r 02
CMPLDSS xmm1 xmm2 = F3 0F C2 /r 02
CMPLTPD xmm1 xmm2 = 66 0F C2 /r 01
CMPLTPS xmm1 xmm2 = 0F C2 /r 01
CMPLTSD xmm1 xmm2 = F2 0F C2 /r 01
CMPLTSS xmm1 xmm2 = F3 0F C2 /r 01
CMPNEQPD xmm1 xmm2 = 66 0F C2 /r 04
CMPNEQPS xmm1 xmm2 = 0F C2 /r 04
CMPNEQSD xmm1 xmm2 = F2 0F C2 /r 04
CMPNEQSS xmm1 xmm2 = F3 0F C2 /r 04
CMPNLEPD xmm1 xmm2 = 66 0F C2 /r 06
CMPNLEPS xmm1 xmm2 = 0F C2 /r 06
CMPNLESD xmm1 xmm2 = F2 0F C2 /r 06
CMPNLESS xmm1 xmm2 = F3 0F C2 /r 06
CMPNLTPD xmm1 xmm2 = 66 0F C2 /r 05
CMPNLTPS xmm1 xmm2 = 0F C2 /r 05
CMPNLTSD xmm1 xmm2 = F2 0F C2 /r 05
CMPNLTSS xmm1 xmm2 = F3 0F C2 /r 05
CMPORDPD xmm1 xmm2 = 66 0F C2 /r 07
CMPORDPS xmm1 xmm2 = 0F C2 /r 07
CMPORDSD xmm1 xmm2 = F2 0F C2 /r 07
CMPORDSS xmm1 xmm2 = F3 0F C2 /r 07
CMPPPD xmm1 xmm2/m128 imm8 = 66 0F C2 /r ib
CMPPPS xmm1 xmm2/m128 imm8 = 0F C2 /r ib
CMPSB = A6
CMPSD = A7
CMPSD xmm1 xmm2/m64 imm8 = F2 0F C2 /r ib
CMPSS xmm1 xmm2/m32 imm8 = F3 0F C2 /r ib
CMPSW = A7

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CMPUNORDPD xmm1 xmm2 = 66 0F C2 /r 03  
 CMPUNORDPS xmm1 xmm2 = 0F C2 /r 03  
 CMPUNORDSD xmm1 xmm2 = F2 0F C2 /r 03  
 CMPUNORDSS xmm1 xmm2 = F3 0F C2 /r 03  
 CMPXCHG r/m8 r8 = 0F B0 /r  
 CMPXCHG r/m16 r16 = 0F B1 /r  
 CMPXCHG r/m32 r32 = 0F B1 /r  
 CMPXCHG8B m64 = 0F C7 /1  
 COMISD xmm1 xmm2/m64 = 66 0F 2F /r  
 COMISS xmm1 xmm2/m32 = 0F 2F /r  
 CPUID = 0F A2  
 CVTDQ2PD xmm1 xmm2/m64 = F3 0F E6 /r  
 CVTDQ2PS xmm1 xmm2/m128 = 0F 5B /r  
 CVTPD2DQ xmm1 xmm2/m128 = F2 0F E6 /r  
 CVTPD2PI mm xmm/m128 = 66 0F 2D /r  
 CVTPD2PS xmm1 xmm2/m128 = 66 0F 5A /r  
 CVTPI2PD xmm mm/m64 = 66 0F 2A /r  
 CVTPI2PS xmm mm/m64 = 0F 2A /r  
 CVTPS2DQ xmm1 xmm2/m128 = 66 0F 5B /r  
 CVTPS2PD xmm1 xmm2/m64 = 0F 5A /r  
 CVTPS2PI mm xmm/m64 = 0F 2D /r  
 CVTSD2SI r32 xmm/m64 = F2 0F 2D /r  
 CVTSD2SS xmm1 xmm2/m64 = F2 0F 5A /r  
 CVTSI2SD xmm r/m32 = F2 0F 2A /r  
 CVTSI2SS xmm r/m32 = F3 0F 2A /r  
 CVTSS2SD xmm1 xmm2/m32 = F3 0F 5A /r  
 CVTSS2SI r32 xmm/m32 = F3 0F 2D /r  
 CVTTPD2DQ xmm1 xmm2/m128 = 66 0F E6 /r  
 CVTTPD2PI mm xmm/m128 = 66 0F 2C /r  
 CVTTPS2DQ xmm1 xmm2/m128 = F3 0F 5B /r  
 CVTTPS2PI mm xmm/m64 = 0F 2C /r  
 CVTTSD2SI r32 xmm/m64 = F2 0F 2C /r  
 CVTTSS2SI r32 xmm/m32 = F3 0F 2C /r  
 CWD = 99  
 CWDE = 98  
 DAA = 27  
 DAS = 2F  
 DEC r32 = 48+rd  
 DEC r16 = 48+rw  
 DEC r/m8 = FE /1  
 DEC r/m16 = FF /1  
 DEC r/m32 = FF /1  
 DIV r/m8 = F6 /6  
 DIV r/m16 = F7 /6  
 DIV r/m32 = F7 /6  
 DIVPD xmm1 xmm2/m128 = 66 0F 5E /r  
 DIVPS xmm1 xmm2/m128 = 0F 5E /r  
 DIVSD xmm1 xmm2/m64 = F2 0F 5E /r  
 DIVSS xmm1 xmm2/m32 = F3 0F 5E /r  
 EMMS = 0F 77  
 ENTER imm16 imm8 = C8 iw ib  
 F2XM1 = D9 F0  
 FABS = D9 E1  
 FADD m32fp = D8 /0  
 FADD ST(0) ST(i) = D8 C0+i  
 FADD m64fp = DC /0  
 FADD ST(i) ST(0) = DC C0+i  
 FADDP ST(i) ST(0) = DE C0+i  
 FADDP = DE C1  
 FBLD m80dec = DF /4  
 FBSTP m80bcd = DF /6  
 FCHS = D9 E0  
 FCLEX = 9B DB E2  
 FCMOVB ST(0) ST(i) = DA C0+i  
 FCMOVBE ST(0) ST(i) = DA D0+i  
 FCMOVE ST(0) ST(i) = DA C8+i  
 FCMOVNB ST(0) ST(i) = DB C0+i  
 FCMOVNBE ST(0) ST(i) = DB D0+i  
 FCMOVNE ST(0) ST(i) = DB C8+i

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FCMOVNU ST(0) ST(i) = DB D8+i
FCMOVU ST(0) ST(i) = DA D8+i
FCOM m32fp = D8 /2
FCOM ST(i) = D8 D0+i
FCOM = D8 D1
FCOM m64fp = DC /2
FCOMI ST(0) ST(i) = DB F0+i
FCOMIP ST(0) ST(i) = DF F0+i
FCOMP m32fp = D8 /3
FCOMP ST(i) = D8 D8+i
FCOMP = D8 D9
FCOMP m64fp = DC /3
FCOMPP = DE D9
FCOS = D9 FF
FDECSTP = D9 F6
FDIV m32fp = D8 /6
FDIV ST(0) ST(i) = D8 F0+i
FDIV m64fp = DC /6
FDIV ST(i) ST(0) = DC F8+i
FDIVP ST(i) ST(0) = DE F8+i
FDIVP = DE F9
FDIVR m32fp = D8 /7
FDIVR ST(0) ST(i) = D8 F8+i
FDIVR m64fp = DC /7
FDIVR ST(i) ST(0) = DC F0+i
FDIVRP ST(i) ST(0) = DE F0+i
FDIVRP = DE F1
FFREE ST(i) = DD C0+i
FIADD m32int = DA /0
FIADD m16int = DE /0
FICOM m32int = DA /2
FICOM m16int = DE /2
FICOMP m32int = DA /3
FICOMP m16int = DE /3
FIDIV m32int = DA /6
FIDIV m16int = DE /6
FIDIVR m32int = DA /7
FIDIVR m16int = DE /7
FILD m32int = DB /0
FILD m16int = DF /0
FILD m64int = DF /5
FIMUL m32int = DA /1
FIMUL m16int = DE /1
FINCSTP = D9 F7
FINIT = 9B DB E3
FIST m32int = DB /2
FIST m16int = DF /2
FISTP m32int = DB /3
FISTP m16int = DF /3
FISTP m64int = DF /7
FISTTP m32int = DB /1
FISTTP m64int = DD /1
FISTTP m16int = DF /1
FISUB m32int = DA /4
FISUB m16int = DE /4
FISUBR m32int = DA /5
FISUBR m16int = DE /5
FLD m32fp = D9 /0
FLD ST(i) = D9 C0+i
FLD m80fp = DB /5
FLD m64fp = DD /0
FLD1 = D9 E8
FLDCW m2byte = D9 /5
FLDENV m14/28byte = D9 /4
FLDL2E = D9 EA
FLDL2T = D9 E9
FLDLG2 = D9 EC
FLDLN2 = D9 ED
FLDPI = D9 EB

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FLDZ = D9 EE
FMUL m32fp = D8 /1
FMUL ST(0) ST(i) = D8 C8+i
FMUL m64fp = DC /1
FMUL ST(i) ST(0) = DC C8+i
FMULP ST(i) ST(0) = DE C8+i
FMULP = DE C9
FNCLEX = DB E2
FNINIT = DB E3
FNOP = D9 D0
FNSAVE m94/108byte = DD /6
FNSTCW m2byte = D9 /7
FNSTENV m14/28byte = D9 /6
FNSTSW m2byte = DD /7
FNSTSW AX = DF E0
FPATAN = D9 F3
FPREM = D9 F8
FPREM1 = D9 F5
FPTAN = D9 F2
FRNDINT = D9 FC
FRSTOR m94/108byte = DD /4
FSAVE m94/108byte = 9B DD /6
FSCALE = D9 FD
FSIN = D9 FE
FSINCOS = D9 FB
FSQRT = D9 FA
FST m32fp = D9 /2
FST m64fp = DD /2
FST ST(i) = DD D0+i
FSTCW m2byte = 9B D9 /7
FSTENV m14/28byte = 9B D9 /6
FSTP m32fp = D9 /3
FSTP m80fp = DB /7
FSTP m64fp = DD /3
FSTP ST(i) = DD D8+i
FSTSW m2byte = 9B DD /7
FSTSW AX = 9B DF E0
FSUB m32fp = D8 /4
FSUB ST(0) ST(i) = D8 E0+i
FSUB m64fp = DC /4
FSUB ST(i) ST(0) = DC E8+i
FSUBP ST(i) ST(0) = DE E8+i
FSUBP = DE E9
FSUBR m32fp = D8 /5
FSUBR ST(0) ST(i) = D8 E8+i
FSUBR m64fp = DC /5
FSUBR ST(i) ST(0) = DC E0+i
FSUBRP ST(i) ST(0) = DE E0+i
FSUBRP = DE E1
FTST = D9 E4
FUCOM ST(i) = DD E0+i
FUCOM = DD E1
FUCOMI ST(0) ST(i) = DB E8+i
FUCOMIP ST(0) ST(i) = DF E8+i
FUCOMP ST(i) = DD E8+i
FUCOMP = DD E9
FUCOMPP = DA E9
FWAIT = 9B
FXAM = D9 E5
FXCH ST(i) = D9 C8+i
FXCH = D9 C9
FXRSTOR m512byte = 0F AE /1
FXSAVE m512byte = 0F AE /0
FXTRACT = D9 F4
FYL2X = D9 F1
FYL2XP1 = D9 F9
HADDPD xmm1 xmm2/m128 = 66 0F 7C /r
HADDPs xmm1 xmm2/m128 = F2 0F 7C /r
HLT = F4

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HSUBPD xmm1 xmm2/m128 = 66 0F 7D /r
HSUBPS xmm1 xmm2/m128 = F2 0F 7D /r
IDIV r/m8 = F6 /7
IDIV r/m16 = F7 /7
IDIV r/m32 = F7 /7
IMUL r16 r/m16 = 0F AF /r
IMUL r32 r/m32 = 0F AF /r
IMUL r32 imm32 = 69 /r id
IMUL r32 r/m32 imm32 = 69 /r id
IMUL r16 imm16 = 69 /r iw
IMUL r16 r/m16 imm16 = 69 /r iw
IMUL r16 imm8 = 6B /r ib
IMUL r16 r/m16 imm8 = 6B /r ib
IMUL r32 imm8 = 6B /r ib
IMUL r32 r/m32 imm8 = 6B /r ib
IMUL r/m8 = F6 /5
IMUL r/m16 = F7 /5
IMUL r/m32 = F7 /5
IN AL imm8 = E4 ib
IN AX imm8 = E5 ib
IN EAX imm8 = E5 ib
IN AL DX = EC
IN AX DX = ED
IN EAX DX = ED
INC r32 = 40+rd
INC r16 = 40+rw
INC r/m8 = FE /0
INC r/m16 = FF /0
INC r/m32 = FF /0
INSB = 6C
INSD = 6D
INSW = 6D
INT 3 = CC
INT imm8 = CD ib
INTO = CE
INVD = 0F 08
INVLPG mem = 0F 01 /7
IRET = CF
IRETD = CF
JA rel16/32 = 0F 87 cw/cd
JA rel8 = 77 cb
JAE rel16/32 = 0F 83 cw/cd
JAE rel8 = 73 cb
JB rel16/32 = 0F 82 cw/cd
JB rel8 = 72 cb
JBE rel16/32 = 0F 86 cw/cd
JBE rel8 = 76 cb
JC rel16/32 = 0F 82 cw/cd
JC rel8 = 72 cb
JCXZ rel8 = E3 cb
JE rel16/32 = 0F 84 cw/cd
JE rel8 = 74 cb
JECXZ rel8 = E3 cb
JG rel16/32 = 0F 8F cw/cd
JG rel8 = 7F cb
JGE rel16/32 = 0F 8D cw/cd
JGE rel8 = 7D cb
JL rel16/32 = 0F 8C cw/cd
JL rel8 = 7C cb
JLE rel16/32 = 0F 8E cw/cd
JLE rel8 = 7E cb
JMP rel32 = E9 cd
JMP rel16 = E9 cw
JMP ptr16:16 = EA cd
JMP ptr16:32 = EA cp
JMP rel8 = EB cb
JMP r/m16 = FF /4
JMP r/m32 = FF /4
JMP m16:16 = FF /5

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JMP m16:32 = FF /5
JNA rel16/32 = 0F 86 cw/cd
JNA rel8 = 76 cb
JNAE rel16/32 = 0F 82 cw/cd
JNAE rel8 = 72 cb
JNB rel16/32 = 0F 83 cw/cd
JNB rel8 = 73 cb
JNBE rel16/32 = 0F 87 cw/cd
JNBE rel8 = 77 cb
JNC rel16/32 = 0F 83 cw/cd
JNC rel8 = 73 cb
JNE rel16/32 = 0F 85 cw/cd
JNE rel8 = 75 cb
JNG rel16/32 = 0F 8E cw/cd
JNG rel8 = 7E cb
JNGE rel16/32 = 0F 8C cw/cd
JNGE rel8 = 7C cb
JNL rel16/32 = 0F 8D cw/cd
JNL rel8 = 7D cb
JNLE rel16/32 = 0F 8F cw/cd
JNLE rel8 = 7F cb
JNO rel16/32 = 0F 81 cw/cd
JNO rel8 = 71 cb
JNP rel16/32 = 0F 8B cw/cd
JNP rel8 = 7B cb
JNS rel16/32 = 0F 89 cw/cd
JNS rel8 = 79 cb
JNZ rel16/32 = 0F 85 cw/cd
JNZ rel8 = 75 cb
JO rel16/32 = 0F 80 cw/cd
JO rel8 = 70 cb
JP rel16/32 = 0F 8A cw/cd
JP rel8 = 7A cb
JPE rel16/32 = 0F 8A cw/cd
JPE rel8 = 7A cb
JPO rel16/32 = 0F 8B cw/cd
JPO rel8 = 7B cb
JS rel16/32 = 0F 88 cw/cd
JS rel8 = 78 cb
JZ rel16/32 = 0F 84 cw/cd
JZ rel8 = 74 cb
LAHF = 9F
LAR r16 r/m16 = 0F 02 /r
LAR r32 r/m32 = 0F 02 /r
LDDQU xmm m128 = F2 0F F0 /r
LDMXCSR m32 = 0F AE /2
LDS r16 m16:16 = C5 /r
LDS r32 m16:32 = C5 /r
LEA r16 mem = 8D /r
LEA r32 mem = 8D /r
LEAVE = C9
LES r16 m16:16 = C4 /r
LES r32 m16:32 = C4 /r
LFENCE = 0F AE E8
LFS r16 m16:16 = 0F B4 /r
LFS r32 m16:32 = 0F B4 /r
LGDT m16&32 = 0F 01 /2
LGS r16 m16:16 = 0F B5 /r
LGS r32 m16:32 = 0F B5 /r
LIDT m16&32 = 0F 01 /3
LLDT r/m16 = 0F 00 /2
LMSW r/m16 = 0F 01 /6
LOCK = F0
LODSB = AC
LODSD = AD
LODSW = AD
LOOP rel8 = E2 cb
LOOPE rel8 = E1 cb
LOOPNE rel8 = E0 cb

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LOOPNZ rel8 = E0 cb
LOOPZ rel8 = E1 cb
LSL r16 r/m16 = 0F 03 /r
LSL r32 r/m32 = 0F 03 /r
LSS r16 m16:16 = 0F B2 /r
LSS r32 m16:32 = 0F B2 /r
LTR r/m16 = 0F 00 /3
MASKMOVDQU xmm1 xmm2 = 66 0F F7 /r
MASKMOVQ mm1 mm2 = 0F F7 /r
MAXPD xmm1 xmm2/m128 = 66 0F 5F /r
MAXPS xmm1 xmm2/m128 = 0F 5F /r
MAXSD xmm1 xmm2/m64 = F2 0F 5F /r
MAXSS xmm1 xmm2/m32 = F3 0F 5F /r
MFENCE = 0F AE F0
MINPD xmm1 xmm2/m128 = 66 0F 5D /r
MINPS xmm1 xmm2/m128 = 0F 5D /r
MINSD xmm1 xmm2/m64 = F2 0F 5D /r
MINSS xmm1 xmm2/m32 = F3 0F 5D /r
MONITOR = 0F 01 C8
MOV r32 CRreg = 0F 20 /r
MOV r32 DRreg = 0F 21 /r
MOV CRreg r32 = 0F 22 /r
MOV DRreg r32 = 0F 23 /r
MOV r/m8 r8 = 88 /r
MOV r/m16 r16 = 89 /r
MOV r/m32 r32 = 89 /r
MOV r8 r/m8 = 8A /r
MOV r16 r/m16 = 8B /r
MOV r32 r/m32 = 8B /r
MOV r/m16 Sreg = 8C /r
MOV Sreg r/m16 = 8E /r
MOV AL moffs8 = A0 cb
MOV EAX moffs32 = A1 cd
MOV AX moffs16 = A1 cw
MOV moffs8 AL = A2 cb
MOV moffs32 EAX = A3 cd
MOV moffs16 AX = A3 cw
MOV r8 imm8 = B0+rb ib
MOV r32 imm32 = B8+rd id
MOV r16 imm16 = B8+rw iw
MOV r/m8 imm8 = C6 /0 ib
MOV r/m32 imm32 = C7 /0 id
MOV r/m16 imm16 = C7 /0 iw
MOVAPD xmm1 xmm2/m128 = 66 0F 28 /r
MOVAPD xmm2/m128 xmm1 = 66 0F 29 /r
MOVAPS xmm1 xmm2/m128 = 0F 28 /r
MOVAPS xmm2/m128 xmm1 = 0F 29 /r
MOVD mm r/m32 = 0F 6E /r
MOVD r/m32 mm = 0F 7E /r
MOVD xmm r/m32 = 66 0F 6E /r
MOVD r/m32 xmm = 66 0F 7E /r
MOVDDUP xmm1 xmm2/m128 = F2 0F 12 /r
MOVDQ2Q mm xmm = F2 0F D6 /r
MOVDQA xmm1 xmm2/m128 = 66 0F 6F /r
MOVDQA xmm2/m128 xmm1 = 66 0F 7F /r
MOVDQU xmm1 xmm2/m128 = F3 0F 6F /r
MOVDQU xmm2/m128 xmm1 = F3 0F 7F /r
MOVHPS xmm1 xmm2 = 0F 12 /r
MOVHPD xmm m64 = 66 0F 16 /r
MOVHPD m64 xmm = 66 0F 17 /r
MOVHPS xmm m64 = 0F 16 /r
MOVHPS m64 xmm = 0F 17 /r
MOVLHPS xmm1 xmm2 = 0F 16 /r
MOVLPD xmm m64 = 66 0F 12 /r
MOVLPD m64 xmm = 66 0F 13 /r
MOVLPS xmm m64 = 0F 12 /r
MOVLPS m64 xmm = 0F 13 /r
MOVMSKPD r32 xmm = 66 0F 50 /r
MOVMSKPS r32 xmm = 0F 50 /r

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MOVNTDQ m128 xmm = 66 0F E7 /r
MOVNTI m32 r32 = 0F C3 /r
MOVNTPD m128 xmm = 66 0F 2B /r
MOVNTPS m128 xmm = 0F 2B /r
MOVNTQ m64 mm = 0F E7 /r
MOVQ mm mm/m64 = 0F 6F /r
MOVQ mm/m64 mm = 0F 7F /r
MOVQ xmm2/m64 xmm1 = 66 0F D6 /r
MOVQ xmm1 xmm2/m64 = F3 0F 7E /r
MOVQ2DQ xmm mm = F3 0F D6 /r
MOVSB = A4
MOVSD = A5
MOVSD xmm1 xmm2/m64 = F2 0F 10 /r
MOVSD xmm2/m64 xmm1 = F2 0F 11 /r
MOVSHDUP xmm1 xmm2/m128 = F3 0F 16 /r
MOVSLDUP xmm1 xmm2/m128 = F3 0F 12 /r
MOVSS xmm1 xmm2/m32 = F3 0F 10 /r
MOVSS xmm2/m32 xmm1 = F3 0F 11 /r
MOVSW = A5
MOVSX r16 r/m8 = 0F BE /r
MOVSX r32 r/m8 = 0F BE /r
MOVSX r32 r/m16 = 0F BF /r
MOVUPD xmm1 xmm2/m128 = 66 0F 10 /r
MOVUPD xmm2/m128 xmm1 = 66 0F 11 /r
MOVUPS xmm1 xmm2/m128 = 0F 10 /r
MOVUPS xmm2/m128 xmm1 = 0F 11 /r
MOVZX r16 r/m8 = 0F B6 /r
MOVZX r32 r/m8 = 0F B6 /r
MOVZX r32 r/m16 = 0F B7 /r
MUL r/m8 = F6 /4
MUL r/m16 = F7 /4
MUL r/m32 = F7 /4
MULPD xmm1 xmm2/m128 = 66 0F 59 /r
MULPS xmm1 xmm2/m128 = 0F 59 /r
MULSD xmm1 xmm2/m64 = F2 0F 59 /r
MULSS xmm1 xmm2/m32 = F3 0F 59 /r
MWAIT = 0F 01 C9
NEG r/m8 = F6 /3
NEG r/m16 = F7 /3
NEG r/m32 = F7 /3
NOP = 90
NOT r/m8 = F6 /2
NOT r/m16 = F7 /2
NOT r/m32 = F7 /2
OR r/m8 r8 = 08 /r
OR r/m16 r16 = 09 /r
OR r/m32 r32 = 09 /r
OR r8 r/m8 = 0A /r
OR r16 r/m16 = 0B /r
OR r32 r/m32 = 0B /r
OR AL imm8 = 0C ib
OR EAX imm32 = 0D id
OR AX imm16 = 0D iw
OR r/m8 imm8 = 80 /1 ib
OR r/m32 imm32 = 81 /1 id
OR r/m16 imm16 = 81 /1 iw
OR r/m16 imm8 = 83 /1 ib
OR r/m32 imm8 = 83 /1 ib
ORPD xmm1 xmm2/m128 = 66 0F 56 /r
ORPS xmm1 xmm2/m128 = 0F 56 /r
OUT imm8 AL = E6 ib
OUT imm8 AX = E7 ib
OUT imm8 EAX = E7 ib
OUT DX AL = EE
OUT DX AX = EF
OUT DX EAX = EF
OUTSB = 6E
OUTSD = 6F
OUTSW = 6F

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PACKSSDW mm1 mm2/m64 = 0F 6B /r  
 PACKSSDW xmm1 xmm2/m128 = 66 0F 6B /r  
 PACKSSWB mm1 mm2/m64 = 0F 63 /r  
 PACKSSWB xmm1 xmm2/m128 = 66 0F 63 /r  
 PACKUSWB mm mm/m64 = 0F 67 /r  
 PACKUSWB xmm1 xmm2/m128 = 66 0F 67 /r  
 PADDB mm mm/m64 = 0F FC /r  
 PADDB xmm1 xmm2/m128 = 66 0F FC /r  
 PADD mm mm/m64 = 0F FE /r  
 PADD xmm1 xmm2/m128 = 66 0F FE /r  
 PADDQ mm1 mm2/m64 = 0F D4 /r  
 PADDQ xmm1 xmm2/m128 = 66 0F D4 /r  
 PADDSB mm mm/m64 = 0F EC /r  
 PADDSB xmm1 xmm2/m128 = 66 0F EC /r  
 PADDSW mm mm/m64 = 0F ED /r  
 PADDSW xmm1 xmm2/m128 = 66 0F ED /r  
 PADDUSB mm mm/m64 = 0F DC /r  
 PADDUSB xmm1 xmm2/m128 = 66 0F DC /r  
 PADDUSW mm mm/m64 = 0F DD /r  
 PADDUSW xmm1 xmm2/m128 = 66 0F DD /r  
 PADDW mm mm/m64 = 0F FD /r  
 PADDW xmm1 xmm2/m128 = 66 0F FD /r  
 PAND mm mm/m64 = 0F DB /r  
 PAND xmm1 xmm2/m128 = 66 0F DB /r  
 PANDN mm mm/m64 = 0F DF /r  
 PANDN xmm1 xmm2/m128 = 66 0F DF /r  
 PAUSE = F3 90  
 PAVGB mm1 mm2/m64 = 0F E0 /r  
 PAVGB xmm1 xmm2/m128 = 66 0F E0 /r  
 PAVGW mm1 mm2/m64 = 0F E3 /r  
 PAVGW xmm1 xmm2/m128 = 66 0F E3 /r  
 PCMPEQB mm mm/m64 = 0F 74 /r  
 PCMPEQB xmm1 xmm2/m128 = 66 0F 74 /r  
 PCMPEQD mm mm/m64 = 0F 76 /r  
 PCMPEQD xmm1 xmm2/m128 = 66 0F 76 /r  
 PCMPQW mm mm/m64 = 0F 75 /r  
 PCMPQW xmm1 xmm2/m128 = 66 0F 75 /r  
 PCMPGTB mm mm/m64 = 0F 64 /r  
 PCMPGTB xmm1 xmm2/m128 = 66 0F 64 /r  
 PCMPGTD mm mm/m64 = 0F 66 /r  
 PCMPGTD xmm1 xmm2/m128 = 66 0F 66 /r  
 PCMPGTW mm mm/m64 = 0F 65 /r  
 PCMPGTW xmm1 xmm2/m128 = 66 0F 65 /r  
 PEXTRW r32 mm imm8 = 0F C5 /r ib  
 PEXTRW r32 xmm imm8 = 66 0F C5 /r ib  
 PINSRW mm r32/m16 imm8 = 0F C4 /r ib  
 PINSRW xmm r32/m16 imm8 = 66 0F C4 /r ib  
 PMADDWD mm mm/m64 = 0F F5 /r  
 PMADDWD xmm1 xmm2/m128 = 66 0F F5 /r  
 PMAXSW mm1 mm2/m64 = 0F EE /r  
 PMAXSW xmm1 xmm2/m128 = 66 0F EE /r  
 PMAXUB mm1 mm2/m64 = 0F DE /r  
 PMAXUB xmm1 xmm2/m128 = 66 0F DE /r  
 PMINSW mm1 mm2/m64 = 0F EA /r  
 PMINSW xmm1 xmm2/m128 = 66 0F EA /r  
 PMINUB mm1 mm2/m64 = 0F DA /r  
 PMINUB xmm1 xmm2/m128 = 66 0F DA /r  
 PMOVBMSKB r32 mm = 0F D7 /r  
 PMOVBMSKB r32 xmm = 66 0F D7 /r  
 PMULHUW mm1 mm2/m64 = 0F E4 /r  
 PMULHUW xmm1 xmm2/m128 = 66 0F E4 /r  
 PMULHW mm mm/m64 = 0F E5 /r  
 PMULHW xmm1 xmm2/m128 = 66 0F E5 /r  
 PMULLW mm mm/m64 = 0F D5 /r  
 PMULLW xmm1 xmm2/m128 = 66 0F D5 /r  
 PMULUDQ mm1 mm2/m64 = 0F F4 /r  
 PMULUDQ xmm1 xmm2/m128 = 66 0F F4 /r  
 POP ES = 07  
 POP FS = 0F A1

POP GS = 0F A9  
 POP SS = 17  
 POP DS = 1F  
 POP r32 = 58+rd  
 POP r16 = 58+rw  
 POP r/m16 = 8F /0  
 POP r/m32 = 8F /0  
 POPA = 61  
 POPAD = 61  
 POPF = 9D  
 POPFD = 9D  
 POR mm mm/m64 = 0F EB /r  
 POR xmm1 xmm2/m128 = 66 0F EB /r  
 PREFETCHNTA m8 = 0F 18 /0  
 PREFETCHT0 m8 = 0F 18 /1  
 PREFETCHT1 m8 = 0F 18 /2  
 PREFETCHT2 m8 = 0F 18 /3  
 PSADBW mm1 mm2/m64 = 0F F6 /r  
 PSADBW xmm1 xmm2/m128 = 66 0F F6 /r  
 PSHUFD xmm1 xmm2/m128 imm8 = 66 0F 70 /r ib  
 PSHUFW xmm1 xmm2/m128 imm8 = F3 0F 70 /r ib  
 PSHUFLW xmm1 xmm2/m128 imm8 = F2 0F 70 /r ib  
 PSHUFW mm1 mm2/m64 imm8 = 0F 70 /r ib  
 PSLLD mm imm8 = 0F 72 /6 ib  
 PSLLD mm mm/m64 = 0F F2 /r  
 PSLLD xmm1 imm8 = 66 0F 72 /6 ib  
 PSLLD xmm1 xmm2/m128 = 66 0F F2 /r  
 PSLLDQ xmm1 imm8 = 66 0F 73 /7 ib  
 PSLLQ mm imm8 = 0F 73 /6 ib  
 PSLLQ mm mm/m64 = 0F F3 /r  
 PSLLQ xmm1 imm8 = 66 0F 73 /6 ib  
 PSLLQ xmm1 xmm2/m128 = 66 0F F3 /r  
 PSLLW mm imm8 = 0F 71 /6 ib  
 PSLLW mm mm/m64 = 0F F1 /r  
 PSLLW xmm1 imm8 = 66 0F 71 /6 ib  
 PSLLW xmm1 xmm2/m128 = 66 0F F1 /r  
 PSRAD mm imm8 = 0F 72 /4 ib  
 PSRAD mm mm/m64 = 0F E2 /r  
 PSRAD xmm1 imm8 = 66 0F 72 /4 ib  
 PSRAD xmm1 xmm2/m128 = 66 0F E2 /r  
 PSRAW mm imm8 = 0F 71 /4 ib  
 PSRAW mm mm/m64 = 0F E1 /r  
 PSRAW xmm1 imm8 = 66 0F 71 /4 ib  
 PSRAW xmm1 xmm2/m128 = 66 0F E1 /r  
 PSRLD mm imm8 = 0F 72 /2 ib  
 PSRLD mm mm/m64 = 0F D2 /r  
 PSRLD xmm1 imm8 = 66 0F 72 /2 ib  
 PSRLD xmm1 xmm2/m128 = 66 0F D2 /r  
 PSRLDQ xmm1 imm8 = 66 0F 73 /3 ib  
 PSRLQ mm imm8 = 0F 73 /2 ib  
 PSRLQ mm mm/m64 = 0F D3 /r  
 PSRLQ xmm1 imm8 = 66 0F 73 /2 ib  
 PSRLQ xmm1 xmm2/m128 = 66 0F D3 /r  
 PSRLW mm imm8 = 0F 71 /2 ib  
 PSRLW mm mm/m64 = 0F D1 /r  
 PSRLW xmm1 imm8 = 66 0F 71 /2 ib  
 PSRLW xmm1 xmm2/m128 = 66 0F D1 /r  
 PSUBB mm mm/m64 = 0F F8 /r  
 PSUBB xmm1 xmm2/m128 = 66 0F F8 /r  
 PSUBD mm mm/m64 = 0F FA /r  
 PSUBD xmm1 xmm2/m128 = 66 0F FA /r  
 PSUBQ mm1 mm2/m64 = 0F FB /r  
 PSUBQ xmm1 xmm2/m128 = 66 0F FB /r  
 PSUBSB mm mm/m64 = 0F E8 /r  
 PSUBSB xmm1 xmm2/m128 = 66 0F E8 /r  
 PSUBSW mm mm/m64 = 0F E9 /r  
 PSUBSW xmm1 xmm2/m128 = 66 0F E9 /r  
 PSUBUSB mm mm/m64 = 0F D8 /r  
 PSUBUSB xmm1 xmm2/m128 = 66 0F D8 /r

PSUBUSW mm mm/m64 = 0F D9 /r  
 PSUBUSW xmm1 xmm2/m128 = 66 0F D9 /r  
 PSUBW mm mm/m64 = 0F F9 /r  
 PSUBW xmm1 xmm2/m128 = 66 0F F9 /r  
 PUNPCKHBW mm mm/m64 = 0F 68 /r  
 PUNPCKHBW xmm1 xmm2/m128 = 66 0F 68 /r  
 PUNPCKHDQ mm mm/m64 = 0F 6A /r  
 PUNPCKHDQ xmm1 xmm2/m128 = 66 0F 6A /r  
 PUNPCKHQDQ xmm1 xmm2/m128 = 66 0F 6D /r  
 PUNPCKHWD mm mm/m64 = 0F 69 /r  
 PUNPCKHWD xmm1 xmm2/m128 = 66 0F 69 /r  
 PUNPCKLBW mm mm/m32 = 0F 60 /r  
 PUNPCKLBW xmm1 xmm2/m128 = 66 0F 60 /r  
 PUNPCKLDQ mm mm/m32 = 0F 62 /r  
 PUNPCKLDQ xmm1 xmm2/m128 = 66 0F 62 /r  
 PUNPCKLQDQ xmm1 xmm2/m128 = 66 0F 6C /r  
 PUNPCKLWD mm mm/m32 = 0F 61 /r  
 PUNPCKLWD xmm1 xmm2/m128 = 66 0F 61 /r  
 PUSH ES = 06  
 PUSH CS = 0E  
 PUSH FS = 0F A0  
 PUSH GS = 0F A8  
 PUSH SS = 16  
 PUSH DS = 1E  
 PUSH r32 = 50+rd  
 PUSH r16 = 50+rw  
 PUSH imm32 = 68 id  
 PUSH imm16 = 68 iw  
 PUSH imm8 = 6A ib  
 PUSH r/m16 = FF /6  
 PUSH r/m32 = FF /6  
 PUSHA = 60  
 PUSHAD = 60  
 PUSHF = 9C  
 PUSHFD = 9C  
 PXOR mm mm/m64 = 0F EF /r  
 PXOR xmm1 xmm2/m128 = 66 0F EF /r  
 RCL r/m8 imm8 = C0 /2 ib  
 RCL r/m16 imm8 = C1 /2 ib  
 RCL r/m32 imm8 = C1 /2 ib  
 RCL r/m8 1 = D0 /2  
 RCL r/m16 1 = D1 /2  
 RCL r/m32 1 = D1 /2  
 RCL r/m8 CL = D2 /2  
 RCL r/m16 CL = D3 /2  
 RCL r/m32 CL = D3 /2  
 RCPPS xmm1 xmm2/m128 = 0F 53 /r  
 RCPSS xmm1 xmm2/m32 = F3 0F 53 /r  
 RCR r/m8 imm8 = C0 /3 ib  
 RCR r/m16 imm8 = C1 /3 ib  
 RCR r/m32 imm8 = C1 /3 ib  
 RCR r/m8 1 = D0 /3  
 RCR r/m16 1 = D1 /3  
 RCR r/m32 1 = D1 /3  
 RCR r/m8 CL = D2 /3  
 RCR r/m16 CL = D3 /3  
 RCR r/m32 CL = D3 /3  
 RDMSR = 0F 32  
 RDPMS = 0F 33  
 RDTSC = 0F 31  
 REP INSB = F3 6C  
 REP INSD = F3 6D  
 REP INSX = F3 6D  
 REP OUTSB = F3 6E  
 REP OUTSD = F3 6F  
 REP OUTSX = F3 6F  
 REP MOVSB = F3 A4  
 REP MOVSD = F3 A5  
 REP MOVSW = F3 A5

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REP STOSB = F3 AA
REP STOSD = F3 AB
REP STOSW = F3 AB
REP LODSB = F3 AC
REP LODSD = F3 AD
REP LODSW = F3 AD
REPE CMPSB = F3 A6
REPE CMPSD = F3 A7
REPE CMPSW = F3 A7
REPE SCASB = F3 AE
REPE SCASD = F3 AF
REPE SCASW = F3 AF
REPNE CMPSB = F2 A6
REPNE CMPSD = F2 A7
REPNE CMPSW = F2 A7
REPNE SCASB = F2 AE
REPNE SCASD = F2 AF
REPNE SCASW = F2 AF
RET imm16 = C2 iw
RET = C3
RETF imm16 = CA iw
RETF = CB
ROL r/m8 imm8 = C0 /0 ib
ROL r/m16 imm8 = C1 /0 ib
ROL r/m32 imm8 = C1 /0 ib
ROL r/m8 1 = D0 /0
ROL r/m16 1 = D1 /0
ROL r/m32 1 = D1 /0
ROL r/m8 CL = D2 /0
ROL r/m16 CL = D3 /0
ROL r/m32 CL = D3 /0
ROR r/m8 imm8 = C0 /1 ib
ROR r/m16 imm8 = C1 /1 ib
ROR r/m32 imm8 = C1 /1 ib
ROR r/m8 1 = D0 /1
ROR r/m16 1 = D1 /1
ROR r/m32 1 = D1 /1
ROR r/m8 CL = D2 /1
ROR r/m16 CL = D3 /1
ROR r/m32 CL = D3 /1
RSM = 0F AA
RSQRTPS xmm1 xmm2/m128 = 0F 52 /r
RSQRTSS xmm1 xmm2/m32 = F3 0F 52 /r
SAHF = 9E
SAL r/m8 imm8 = C0 /4 ib
SAL r/m16 imm8 = C1 /4 ib
SAL r/m32 imm8 = C1 /4 ib
SAL r/m8 = D0 /4
SAL r/m16 = D1 /4
SAL r/m32 = D1 /4
SAL r/m8 CL = D2 /4
SAL r/m16 CL = D3 /4
SAL r/m32 CL = D3 /4
SAR r/m8 imm8 = C0 /7 ib
SAR r/m16 imm8 = C1 /7 ib
SAR r/m32 imm8 = C1 /7 ib
SAR r/m8 = D0 /7
SAR r/m16 = D1 /7
SAR r/m32 = D1 /7
SAR r/m8 CL = D2 /7
SAR r/m16 CL = D3 /7
SAR r/m32 CL = D3 /7
SBB r/m8 r8 = 18 /r
SBB r/m16 r16 = 19 /r
SBB r/m32 r32 = 19 /r
SBB r8 r/m8 = 1A /r
SBB r16 r/m16 = 1B /r
SBB r32 r/m32 = 1B /r
SBB AL imm8 = 1C ib

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SBB EAX imm32 = 1D id
SBB AX imm16 = 1D iw
SBB r/m8 imm8 = 80 /3 ib
SBB r/m32 imm32 = 81 /3 id
SBB r/m16 imm16 = 81 /3 iw
SBB r/m16 imm8 = 83 /3 ib
SBB r/m32 imm8 = 83 /3 ib
SCASB = AE
SCASD = AF
SCASW = AF
SETA r/m8 = 0F 97 /0
SETAE r/m8 = 0F 93 /0
SETB r/m8 = 0F 92 /0
SETBE r/m8 = 0F 96 /0
SETC r/m8 = 0F 92 /0
SETE r/m8 = 0F 94 /0
SETG r/m8 = 0F 9F /0
SETGE r/m8 = 0F 9D /0
SETL r/m8 = 0F 9C /0
SETLE r/m8 = 0F 9E /0
SETNA r/m8 = 0F 96 /0
SETNAE r/m8 = 0F 92 /0
SETNB r/m8 = 0F 93 /0
SETNBE r/m8 = 0F 97 /0
SETNC r/m8 = 0F 93 /0
SETNE r/m8 = 0F 95 /0
SETNG r/m8 = 0F 9E /0
SETNGE r/m8 = 0F 9C /0
SETNL r/m8 = 0F 9D /0
SETNLE r/m8 = 0F 9F /0
SETNO r/m8 = 0F 91 /0
SETNP r/m8 = 0F 9B /0
SETNS r/m8 = 0F 99 /0
SETNZ r/m8 = 0F 95 /0
SETO r/m8 = 0F 90 /0
SETP r/m8 = 0F 9A /0
SETPE r/m8 = 0F 9A /0
SETPO r/m8 = 0F 9B /0
SETS r/m8 = 0F 98 /0
SETZ r/m8 = 0F 94 /0
SFENCE = 0F AE F8
SGDT mem = 0F 01 /0
SHL r/m8 imm8 = C0 /4 ib
SHL r/m16 imm8 = C1 /4 ib
SHL r/m32 imm8 = C1 /4 ib
SHL r/m8 = D0 /4
SHL r/m16 = D1 /4
SHL r/m32 = D1 /4
SHL r/m8 CL = D2 /4
SHL r/m16 CL = D3 /4
SHL r/m32 CL = D3 /4
SHLD r/m16 r16 imm8 = 0F A4 /r ib
SHLD r/m32 r32 imm8 = 0F A4 /r ib
SHLD r/m16 r16 CL = 0F A5 /r
SHLD r/m32 r32 CL = 0F A5 /r
SHR r/m8 imm8 = C0 /5 ib
SHR r/m16 imm8 = C1 /5 ib
SHR r/m32 imm8 = C1 /5 ib
SHR r/m8 = D0 /5
SHR r/m16 = D1 /5
SHR r/m32 = D1 /5
SHR r/m8 CL = D2 /5
SHR r/m16 CL = D3 /5
SHR r/m32 CL = D3 /5
SHRD r/m16 r16 imm8 = 0F AC /r ib
SHRD r/m32 r32 imm8 = 0F AC /r ib
SHRD r/m16 r16 CL = 0F AD /r
SHRD r/m32 r32 CL = 0F AD /r
SHUFPD xmm1 xmm2/m128 imm8 = 66 0F C6 /r ib

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amd64
SHUFPS xmm1 xmm2/m128 imm8 = 0F C6 /r ib
SIDT mem = 0F 01 /1
SLDT r/m16 = 0F 00 /0
SLDT r/m32 = 0F 00 /0
SMSW r16/m16 = 0F 01 /4
SMSW r32/m16 = 0F 01 /4
SQRTPD xmm1 xmm2/m128 = 66 0F 51 /r
SQRTPS xmm1 xmm2/m128 = 0F 51 /r
SQRTSD xmm1 xmm2/m64 = F2 0F 51 /r
SQRTSS xmm1 xmm2/m32 = F3 0F 51 /r
STC = F9
STD = FD
STI = FB
STMXCSR m32 = 0F AE /3
STOSB = AA
STOSD = AB
STOSW = AB
STR r/m16 = 0F 00 /1
SUB r/m8 r8 = 28 /r
SUB r/m16 r16 = 29 /r
SUB r/m32 r32 = 29 /r
SUB r8 r/m8 = 2A /r
SUB r16 r/m16 = 2B /r
SUB r32 r/m32 = 2B /r
SUB AL imm8 = 2C ib
SUB EAX imm32 = 2D id
SUB AX imm16 = 2D iw
SUB r/m8 imm8 = 80 /5 ib
SUB r/m32 imm32 = 81 /5 id
SUB r/m16 imm16 = 81 /5 iw
SUB r/m16 imm8 = 83 /5 ib
SUB r/m32 imm8 = 83 /5 ib
SUBPD xmm1 xmm2/m128 = 66 0F 5C /r
SUBPS xmm1 xmm2/m128 = 0F 5C /r
SUBSD xmm1 xmm2/m64 = F2 0F 5C /r
SUBSS xmm1 xmm2/m32 = F3 0F 5C /r
SYSENTER = 0F 34
SYSEXIT = 0F 35
TEST r/m8 r8 = 84 /r
TEST r/m16 r16 = 85 /r
TEST r/m32 r32 = 85 /r
TEST AL imm8 = A8 ib
TEST EAX imm32 = A9 id
TEST AX imm16 = A9 iw
TEST r/m8 imm8 = F6 /0 ib
TEST r/m32 imm32 = F7 /0 id
TEST r/m16 imm16 = F7 /0 iw
UCOMISD xmm1 xmm2/m64 = 66 0F 2E /r
UCOMISS xmm1 xmm2/m32 = 0F 2E /r
UD2 = 0F 0B
UNPCKHPD xmm1 xmm2/m128 = 66 0F 15 /r
UNPCKHPS xmm1 xmm2/m128 = 0F 15 /r
UNPCKLPD xmm1 xmm2/m128 = 66 0F 14 /r
UNPCKLPS xmm1 xmm2/m128 = 0F 14 /r
VERR r/m16 = 0F 00 /4
VERW r/m16 = 0F 00 /5
WAIT = 9B
WBINVD = 0F 09
WRMSR = 0F 30
XADD r/m8 r8 = 0F C0 /r
XADD r/m16 r16 = 0F C1 /r
XADD r/m32 r32 = 0F C1 /r
XCHG r/m8 r8 = 86 /r
XCHG r8 r/m8 = 86 /r
XCHG r/m16 r16 = 87 /r
XCHG r/m32 r32 = 87 /r
XCHG r16 r/m16 = 87 /r
XCHG r32 r/m32 = 87 /r
XCHG EAX r32 = 90+rd

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```
XCHG r32 EAX = 90+rd
XCHG AX r16 = 90+rw
XCHG r16 AX = 90+rw
XLATB = D7
XOR r/m8 r8 = 30 /r
XOR r/m16 r16 = 31 /r
XOR r/m32 r32 = 31 /r
XOR r8 r/m8 = 32 /r
XOR r16 r/m16 = 33 /r
XOR r32 r/m32 = 33 /r
XOR AL imm8 = 34 ib
XOR EAX imm32 = 35 id
XOR AX imm16 = 35 iw
XOR r/m8 imm8 = 80 /6 ib
XOR r/m32 imm32 = 81 /6 id
XOR r/m16 imm16 = 81 /6 iw
XOR r/m16 imm8 = 83 /6 ib
XOR r/m32 imm8 = 83 /6 ib
XORPD xmm1 xmm2/m128 = 66 0F 57 /r
XORPS xmm1 xmm2/m128 = 0F 57 /r
```