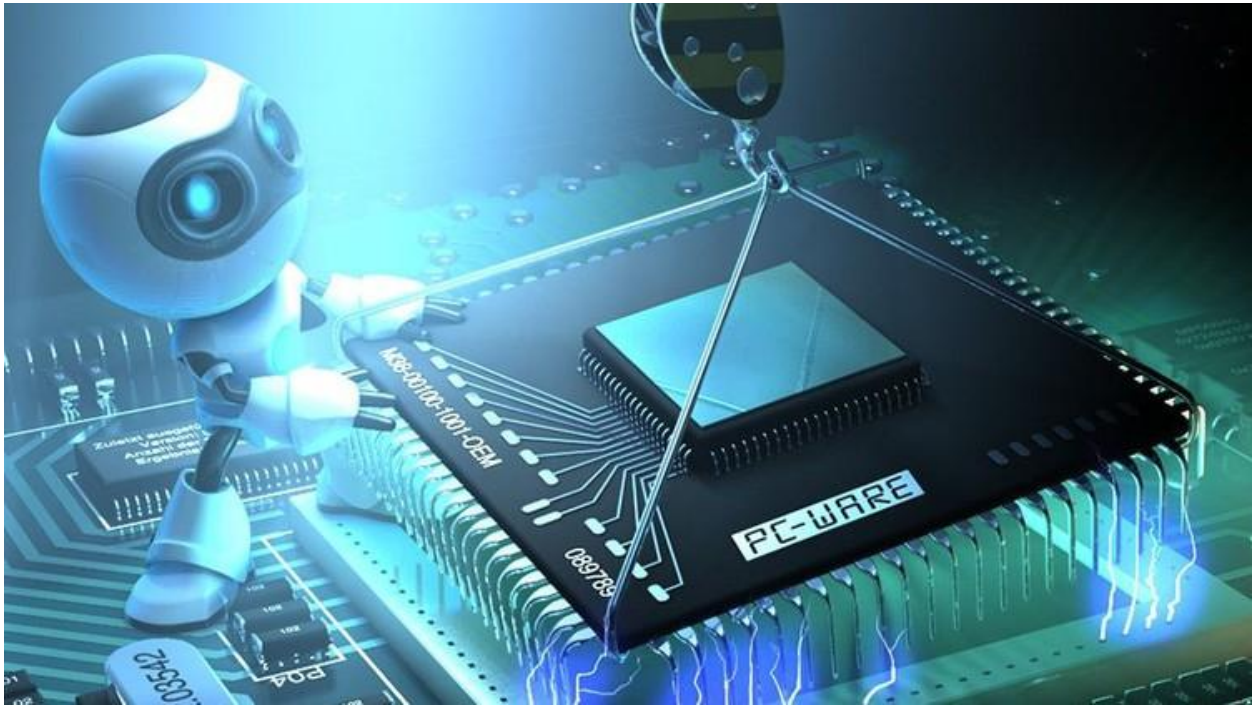
Advanced Arithmetic Instructions



Advanced Arithmetic Instructions

Instructions	Description	Notes	Example
IMUL op1, op2	op2 ← op2·op1	op2: register	IMUL (%EBX),%EAX
IMUL inm,op1,op2	op2 ← op1·inm	inm: constant	IMUL $3,%EAX,%ECX
IMULL op1	%EDX%EAX ← op1·%EAX	op1: mem. o reg. (**Integers**)	IMULL (%EBX)
MULL op1	%EDX%EAX ← op1·%EAX	op1: mem. o reg. (**Naturals**)	MULL (%EBX)
CLTD	%EDX%EAX ← ExtSign(%EAX)		CLTD
IDIVL op1	%EAX ← %EDX%EAX / op1 %EDX ← %EDX%EAX % op1	op1: mem. o reg. (**Integers**)	IDIVL (%EBX)
DIVL op1	%EAX ← %EDX%EAX / op1 %EDX ← %EDX%EAX % op1	op1: mem. o reg. (**Naturals**)	DIVL %ESI