











































Page 22

and the second			×
Big-er	ndian vs Lit	tle-endian (cont.)	
 In a big-endiar sequence is stor In a little-endia sequence is stor 1025 (2 to the integer: 00000000 0000 	a system, the most ored at the lowest an system, the leas ored first. For exar tenth power plus o 00000 00000100 0	significant value in the storage address (i.e., first). st significant value in the nple, consider the number one) stored in a 4-byte	
Address	Big-Endian	Little-Endian	
00	00000000	0000001	
01	00000000	00000100	
02	00000100	0000000	
03	0000001	00000000	
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N		1 .: :	
loating point numbers I	have a fixed	a size in m	emory.
nused bits must be pad	ded with 0	values.	
Exponents need to be bia	as (since w	e do not wa	ant to store
egative numbers in two	's complen	nent)	
	5 compten	iene j.	
	Single	Doubla	Quad
Number of hits taken by:	Single	Double	Quad
Number of bits taken by: Sign	Single	Double	Quad
Number of bits taken by: Sign Exponent	Single 1 8	Double 1 11	Quad 1 15
Number of bits taken by: Sign Exponent Fractional mantissa	Single 1 8 23	Double 1 11 52	Quad 1 15 111
Number of bits taken by: Sign Exponent Fractional mantissa Total	Single 1 8 23 32	Double 1 11 52 64	Quad 1 15 111 128
Number of bits taken by: Sign Exponent Fractional mantissa Total Exponent:	Single 1 8 23 32	Double 1 11 52 64	Quad 1 15 111 128
Number of bits taken by: Sign Exponent Fractional mantissa Total Exponent: Bias	Single 1 8 23 32 127	Double 1 11 52 64 1023	Quad 1 15 111 128 16383

- TANKS



























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