

## Binary Floating Point to IEEE-754/1985

Type: Finite

Binary to IEEE-754 Conv... — □ ×

Significand:	1.00111
Exponent:	5

Convert

Sign Bit:	0
Exponent Bits:	10000100
Mantissa Bits:	0011100000000000000000
IEEE 754 (Hex):	421c0000
Type:	Finite

Output to Text File

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Binary to IEEE-754 Conv... — □ ×

Significand:	-100.111
Exponent:	-7


Convert

Sign Bit:	1
Exponent Bits:	01111010
Mantissa Bits:	0011100000000000000000
IEEE 754 (Hex):	bd1c0000
Type:	Finite

Output to Text File

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Type: Zero

 Binary to IEEE-754 Conv...

—□×

Significand:

Exponent:

0.0

0

Convert

Sign Bit:

Exponent Bits:

Mantissa Bits:

IEEE 754 (Hex):

Type:

0

00000000

000000000000000000000000


00000000

Zero

Output to Text File

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Type: Negative Infinity

 Binary to IEEE-754 Conv... — □ ×

Significand:	-1.0
Exponent:	777


Convert

Sign Bit:	1
Exponent Bits:	1111111
Mantissa Bits:	000000000000000000000000
IEEE 754 (Hex):	ff800000
Type:	Negative Infinity

Output to Text File

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Type: Positive Infinity

 Binary to IEEE-754 Conv...

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Significand:

1.1101

Exponent:

135

Convert

Sign Bit:

0

Exponent Bits:

11111111

Mantissa Bits:

000000000000000000000000

IEEE 754 (Hex):

7f800000


Type:

Positive Infinity

Output to Text File

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Type: Denormalized

 Binary to IEEE-754 Conv...—□×

Significand:	<input type="text" value="-1.111"/>
Exponent:	<input type="text" value="-129"/>

Convert


Sign Bit:	1
Exponent Bits:	00000000
Mantissa Bits:	001111000000000000000000
IEEE 754 (Hex):	801e0000
Type:	Denormalized

Output to Text File

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## Decimal Floating Point to IEEE-754/1985

Type: Finite

 Floating Point to IEEE-754 Conver... — ☐ ×

Floating Point Number:	<input type="text" value="4.0"/>
Exponent:	<input type="text" value="0"/>

Sign Bit:	0
Exponent Bits:	10000001
Mantissa Bits:	000000000000000000000000
IEEE 754 (Hex):	40800000
Type:	Finite

 Floating Point to IEEE-754 Conver... — ☐ ×

Floating Point Number:	<input type="text" value="5.25"/>
Exponent:	<input type="text" value="0"/>

Sign Bit:	0
Exponent Bits:	10000001
Mantissa Bits:	010100000000000000000000
IEEE 754 (Hex):	40a80000
Type:	Finite

Floating Point to IEEE-754 Conver... — □ ×

Floating Point Number: 25.5

Exponent: 1

Convert

Sign Bit: 0

Exponent Bits: 10000110

Mantissa Bits: 111111100000000000000000

IEEE 754 (Hex): 437f0000

Type: Finite

Output to Text File

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Floating Point to IEEE-754 Conver... — □ ×

Floating Point Number: -10.875

Exponent: 0

Convert

Sign Bit: 1

Exponent Bits: 10000010

Mantissa Bits: 010111000000000000000000

IEEE 754 (Hex): c12e0000

Type: Finite

Output to Text File

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Floating Point to IEEE-754 Converter

Floating Point Number: 5.12

Exponent: 2

Convert

Sign Bit: 0

Exponent Bits: 10001000

Mantissa Bits: 000000000000000000000000

IEEE 754 (Hex): 44000000

Type: Finite

Output to Text File

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Floating Point to IEEE-754 Converter

Floating Point Number: 0.875

Exponent: 0

Convert

Sign Bit: 0

Exponent Bits: 01111110

Mantissa Bits: 110000000000000000000000

IEEE 754 (Hex): 3f600000

Type: Finite

Output to Text File

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Floating Point to IEEE-754 Conver...



Floating Point Number:

8.0

Exponent:

0

Convert

Sign Bit:

0

Exponent Bits:

10000010

Mantissa Bits:

000000000000000000000000

IEEE 754 (Hex):

41000000


Type:

Finite

Output to Text File

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Type: Denormalized

 Floating Point to IEEE-754 Conver...

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Floating Point Number:

1.40129846432481E-45

Exponent:

0

Convert

Sign Bit:

0

Exponent Bits:

00000000

Mantissa Bits:

000000000000000000000001

IEEE 754 (Hex):

00000001


Type:

Denormalized

Output to Text File

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Type: Positive Infinity

 Floating Point to IEEE-754 Conver...

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Floating Point Number:

1.8e308

Exponent:

0

Convert

Sign Bit:

0

Exponent Bits:

11111111

Mantissa Bits:

000000000000000000000000

IEEE 754 (Hex):

7f800000


Type:

Positive Infinity

Output to Text File


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Type: Negative Infinity

 Floating Point to IEEE-754 Conver...—□×

Floating Point Number:	<input type="text" value="-1.8e308"/>
Exponent:	<input type="text" value="0"/>
<input type="button" value="Convert"/>	
Sign Bit:	1
Exponent Bits:	11111111
Mantissa Bits:	000000000000000000000000
IEEE 754 (Hex):	ff800000
Type:	Negative Infinity
<input type="button" value="Output to Text File"/>	
<input type="button" value="Back To Menu"/>	

Type: Zero

 Floating Point to IEEE-754 Conver...

—□×

Floating Point Number:	0.0
Exponent:	0

Convert

Sign Bit:	0
Exponent Bits:	00000000
Mantissa Bits:	000000000000000000000000
IEEE 754 (Hex):	00000000
Type:	Zero

Output to Text File

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