$$\sqrt{444_{10}} = \sqrt{01\ 10\ 11\ 11\ 00_2}$$

0	0000**01**
	-1 111111
	1 000000
1	0000**10**
	-101 111011
	0 111101
10	1101**11**
	+1011 001011
	1 000010
101	0010**11**
	-10101 101011
	0 110110
1010	0110**00**
	+101011 101011
	1 000011
10101	

$$10101_2 = 21_{10}$$

$$21^2 = 441$$

MIE-ARI square root