

X: 137641 Step One: G1 G2 G3
 14 67 31

	u	v	bot	top	side
Step 2 Values:	0	0	0	0	0
Step 3 (14)	d) 3(03) ↓ 09	e) 3x(03) ≤ 014 ↓ 9 ≤ 14 ✓ 3	a) 0-0114 ↓ 014	e) 013 ↓ 03	b) 2(0) ↓ 0

Step 3 (67)	d) 8(0618) ↓ 0544	c) 8x(0618) ≤ 567 (014-09)167 ↓ 544 ≤ 567 ✓ 8	a) 0-014167 ↓ 0567	e) 0318 ↓ 038	b) 2(03) ↓ 06
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Step 3 (31)	d) 3(7613) ↓ 2289	c) 3x(07613) ≤ 2331 ↓ 2289 ≤ 2331 ✓ 3	a) (0567-0544)131 ↓ 02331	e) 03813 ↓ 0383	b) 2(038) ↓ 076
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no next input, return top; 0383

PROCX is a square root function. $\sqrt{146731} = 0383.05$
and our return is 0383.