

Running Differences of (Sqr) Axis #s - sequential PD#s forms the BIM. A large grid of numbers with various annotations, including equations like 11^3 = 1331 = 1287 + 44 and 11^3 = 1331 = nAx + xAx. Includes a copyright notice for Reginald Brooks, Brooks Design, All rights reserved.

Example: $11^3 = 1331 = 1287 + 44$

$Ax^3 = nAx + xAx$

$11^3 = 1331 = nAx + xAx$

$1331 = 120 * 11 + 1 * 11$

$1331 = 117 * 11 + 4 * 11$

$1331 = 112 * 11 + 9 * 11$

$1331 = 105 * 11 + 16 * 11$

$1331 = 96 * 11 + 25 * 11$

$1331 = 85 * 11 + 36 * 11$

$1331 = 72 * 11 + 49 * 11$

$1331 = 57 * 11 + 64 * 11$

$1331 = 40 * 11 + 81 * 11$

$1331 = 21 * 11 + 100 * 11$

$1331 = 0 * 11 + 121 * 11$

6 STEPS + 5 STEPS = 11 STEPS

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$Ax^3 = nAx + xAx$

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$1331 = 0 * 11 + 121 * 11$

5 STEPS + 6 STEPS = 11 STEPS

To grow PD Col, select and expand to the bottom and then fill left column by auto fill, PD column will auto fill from this. Sqr # = C-232 is formula for expanding Columns; drag across to auto fill formula on grid. Drag down to auto fill remaining cells below. Here the resulting PD#s are 0. Replace these with the actual PD values from Col. C. One can make a 20x200 BIM, by adding columns out to x^2 - 40000, i.e., Axis Column 200, Axis Column 200. Copyright © Reginald Brooks, Brooks Design, All rights reserved.