

I U P U I

MATH CLUB TEASER #24

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SOLUTION

Pythagoras has many ways to make I | M | P | A | C | T
The shortest takes 10 steps, and there are three solutions:

M C P I T A	M C P I T A	M C P I T A
M P T C I A	M P T C I A	C P I T A M
M T I P C A	P T C I A M	C I A P T M
T I P C A M	P C A T I M	I A P T M C
T P A I C M	C A T I M P	A P T M C I
P A I C M T	C T M A I P	A T C P M I
A I C M T P	T M A I P C	A C M T P I
A C T I M P	T A P M I C	C M T P I A
C T I M P A	T P I A M C	C T I M P A
T I M P A C	T I M P A C	T I M P A C
I M P A C T	I M P A C T	I M P A C T

SOLVED BY:

David Arnold, James Austin, Captain Nemo,
The Dharma Initiative, Aaron Dulhanty, Amber Frye,
Cynthia Hoang, Thomas Lamar, The Residues, Kim Smith,
Uday Sukhatme, John Taggart.