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## ON TRANSCENDENTAL EQUATION $\sqrt{2z-4} = \sqrt{x+\sqrt{A}y} + \sqrt{x-\sqrt{A}y}$

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## Abstract

We obtain non-trivial integral solutions for the typical surd equation  $\sqrt{2z-4} = \sqrt{x+\sqrt{A}y} + \sqrt{x-\sqrt{A}y}$ , when A = 5 and A = 6. A few interesting relations among the solutions are presented. Also the recurrence relations satisfied by the solutions are given.

Key Words : Nasty numbers, Integral solutions.

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