

PIZZA & PROBLEMS  
September 26, 4:00-ish  
Trinkle 140

Work on this problem and bring your ideas (optimally, your solutions!) to our P&P meeting.

Find all positive integers  $m$  so that

$$\sqrt{m + \sqrt{m + \sqrt{m + \sqrt{m + \dots}}}}$$

is again an integer.

**HINT:** What happens when you square the above expression?