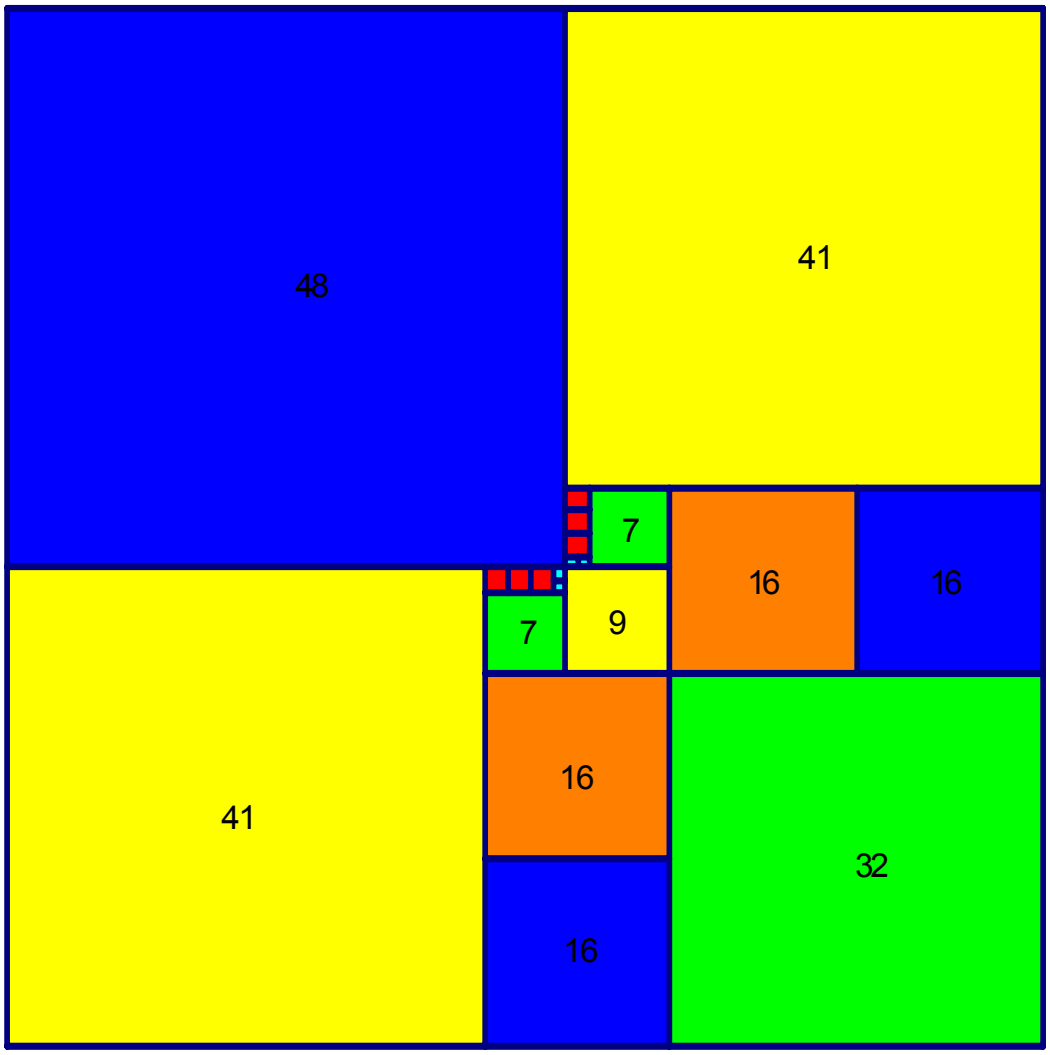
Problem of the Week 6, Spring 2006

Solution by Shahin Jahangard. This is the winners solution. It uses 21 squares.