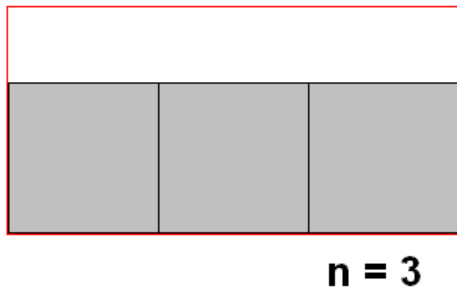
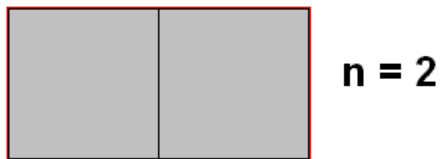
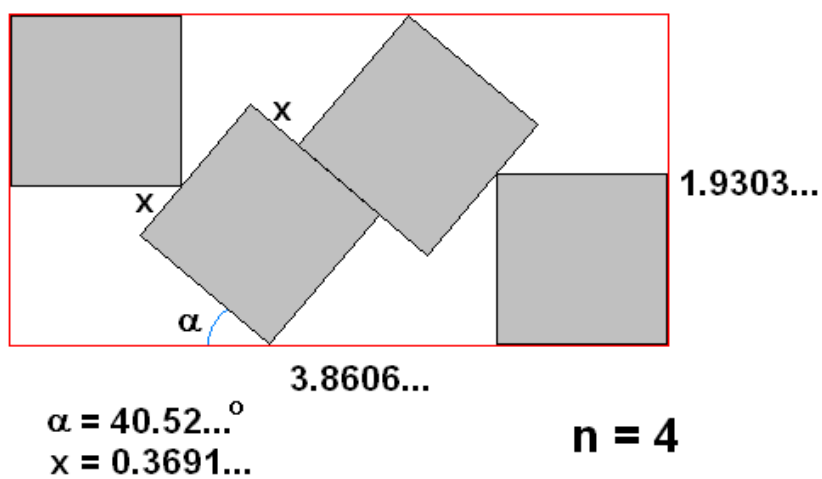


Squares in Dominos

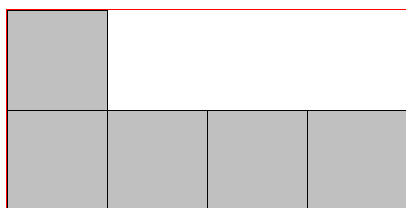
For $n = 1, 2$ or 3 , we only have the trivial solutions.



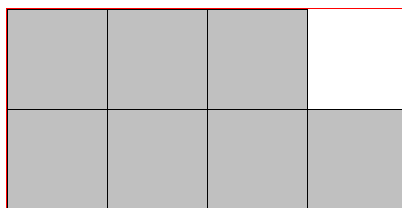
For $n = 4$ the best solution is a slightly tilted diagonal strip between two corner squares.



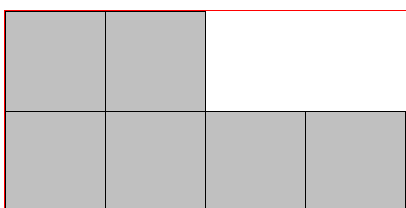
Below are the best known solutions for $n \leq 25$. Note that $n = 19$ is obtained from $n = 9$, with 10 added squares. The solution for $n = 23$ is likewise obtained from $n = 12$ with 11 added squares.



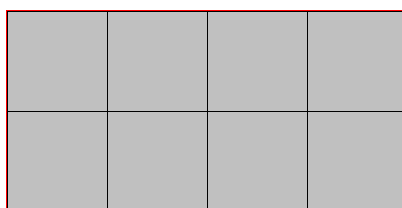
$n = 5$



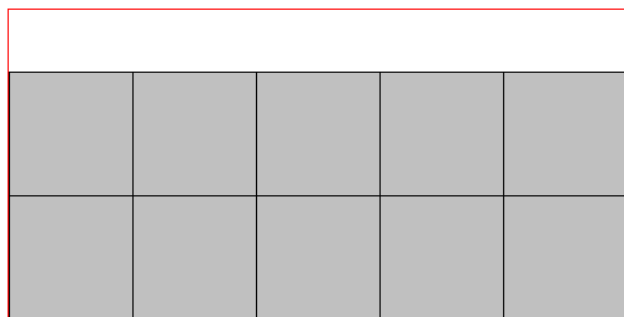
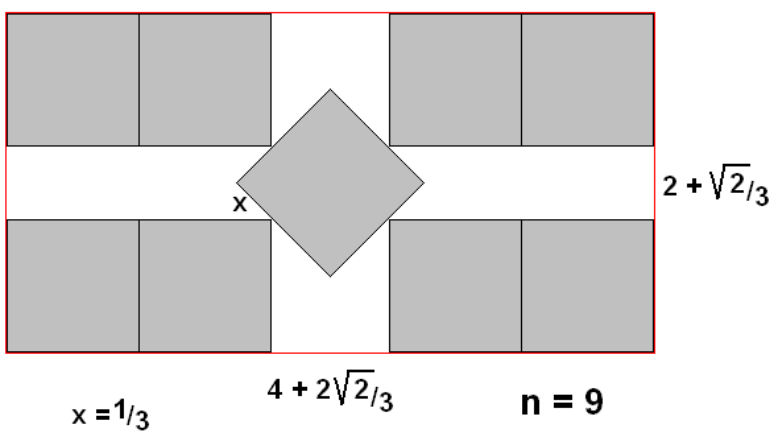
$n = 7$



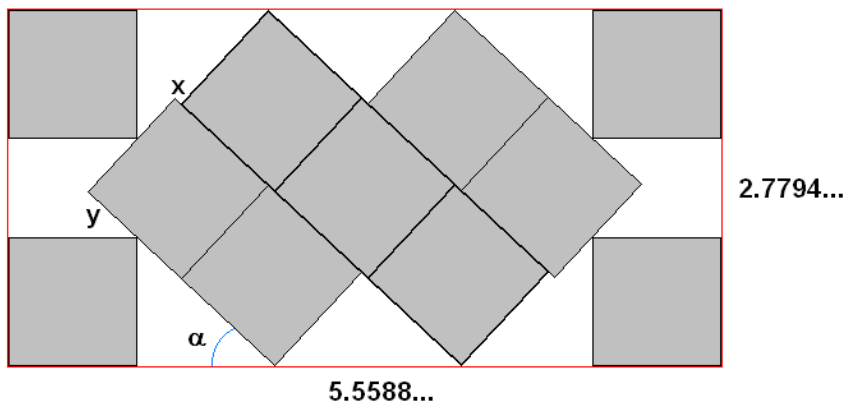
$n = 6$



$n = 8$



$n = 10$

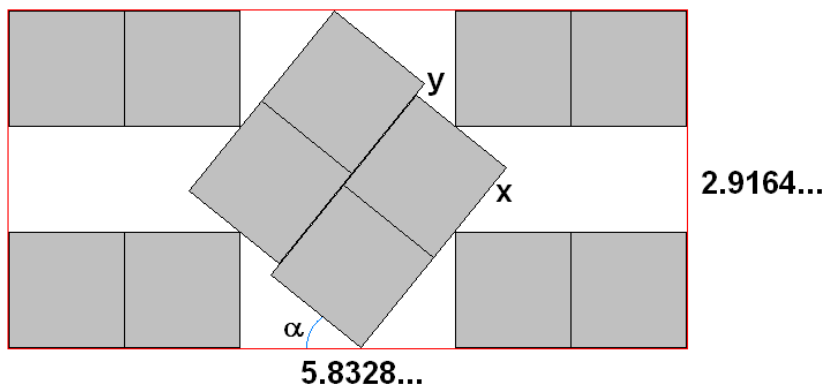


$$\alpha = 43.08...^\circ$$

$$x = 0.0694...$$

$$y = 0.5359...$$

n = 11

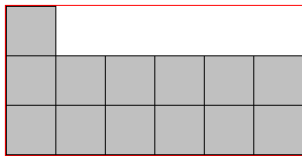


$$\alpha = 39.13...^\circ$$

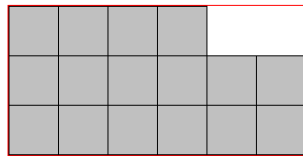
$$x = 0.7108...$$

$$y = 0.1325..$$

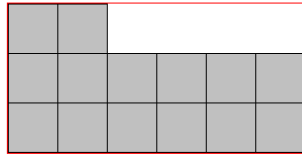
n = 12



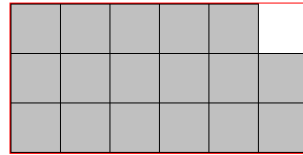
$n = 13$



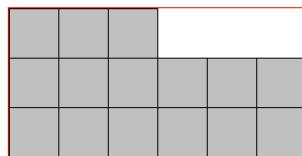
$n = 16$



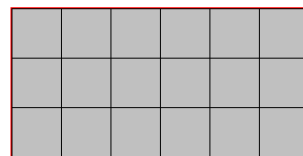
$n = 14$



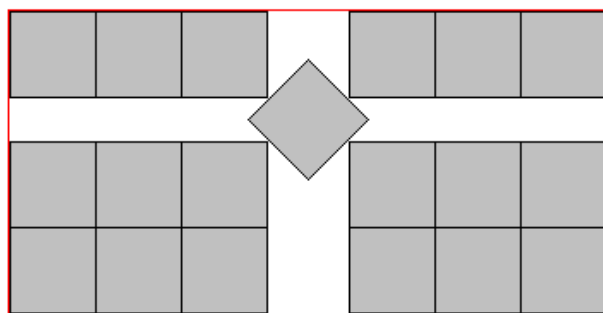
$n = 17$



$n = 15$



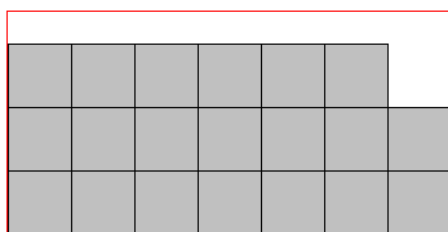
$n = 18$



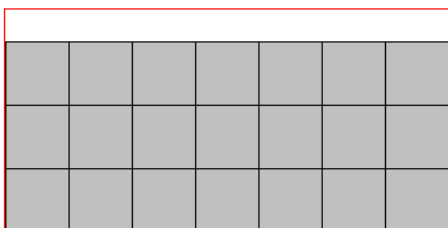
$6 + 2\sqrt{2/3}$

$n = 19$

$3 + \sqrt{2/3}$



$n = 20$



$n = 21$

