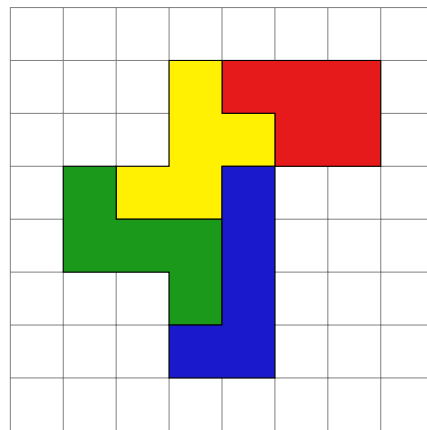
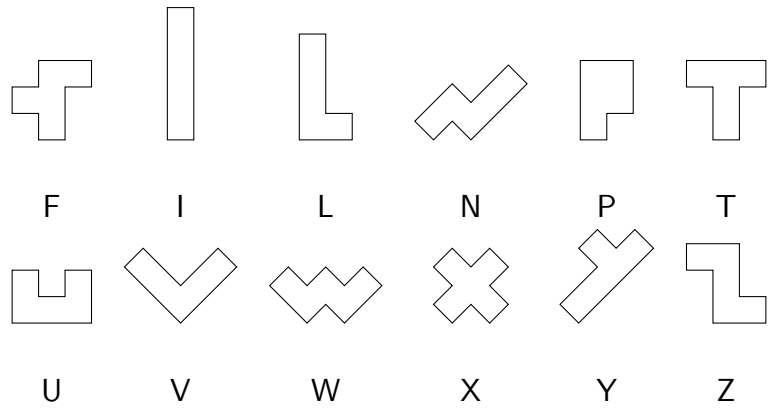
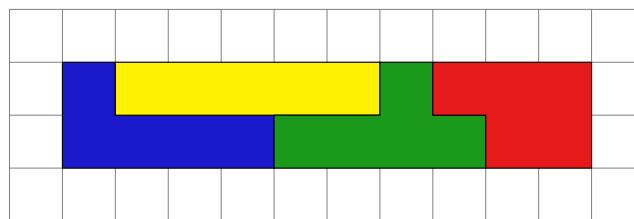


SOME SOLUTIONS TO PENTOMINO DOUBLING PROBLEMS

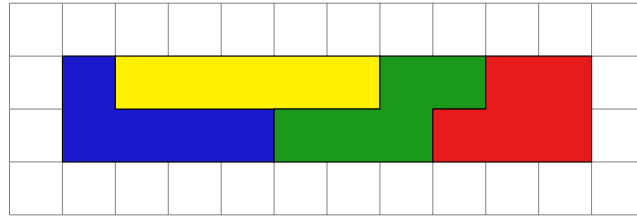
Note: The V and X pentominoes cannot be doubled.



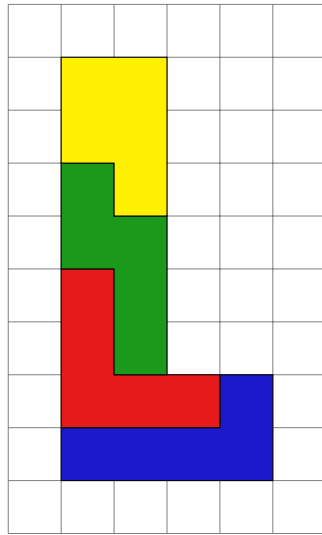
$$F + L + P + Z = F^2$$



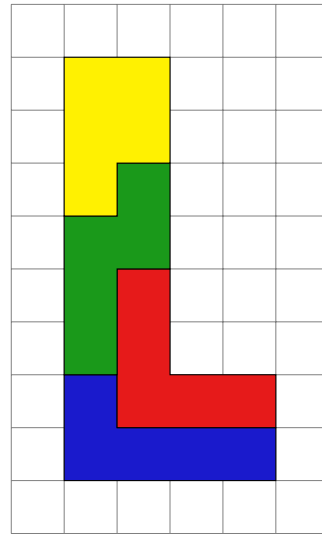
$$I + L + P + Y = I^2$$



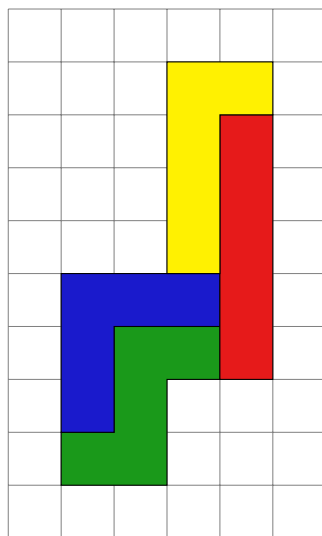
$$I + L + N + P = I^2$$



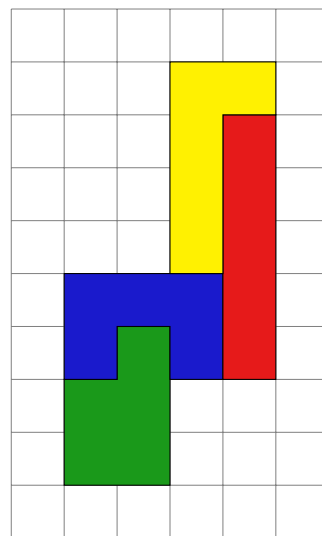
$$L + N + P + V = L^2$$



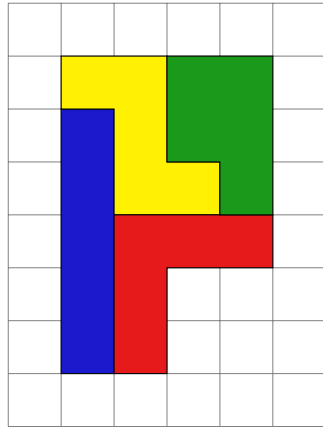
$$L + N + P + V = L^2$$



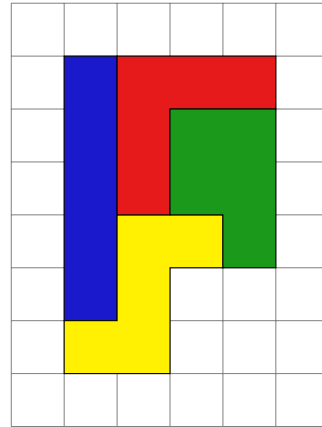
$$I + L + V + Z = N^2$$



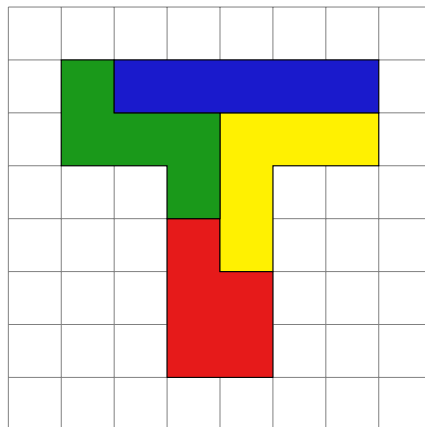
$$I + L + P + U = N^2$$



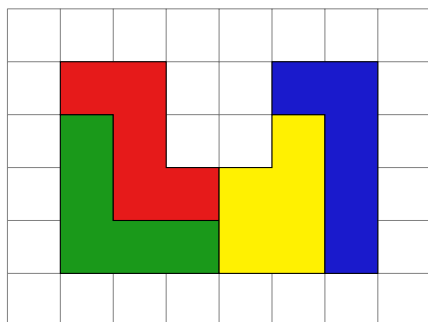
$$I + P + V + Z = P^2$$



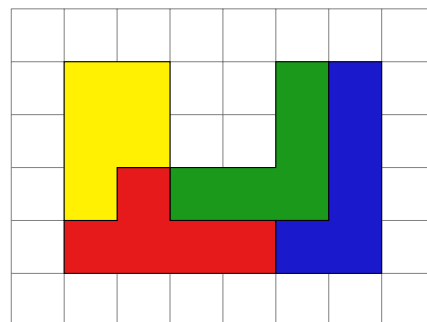
$$I + P + V + Z = P^2$$



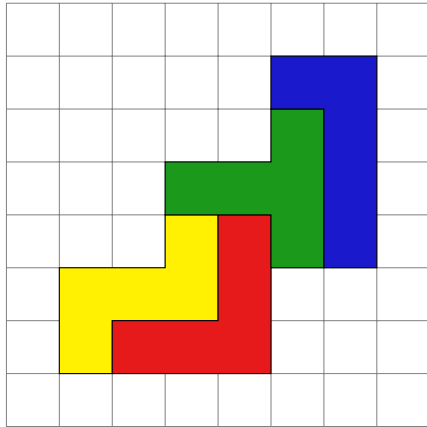
$$I + P + V + Z = T^2$$



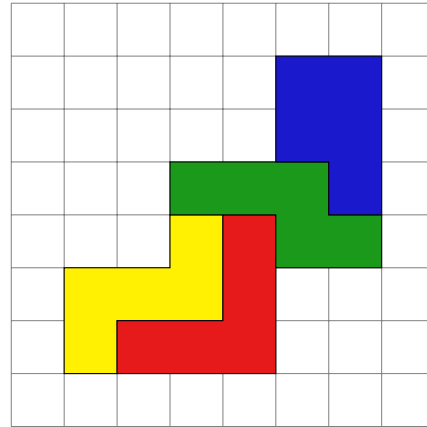
$$L + P + V + Z = U^2$$



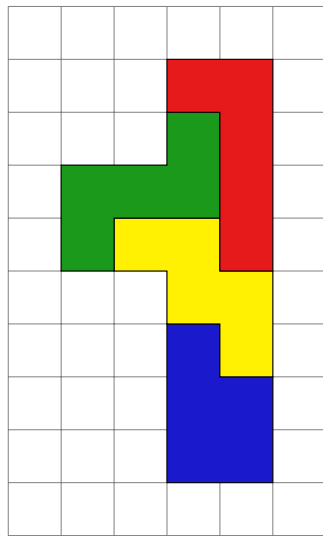
$$L + P + V + Y = U^2$$



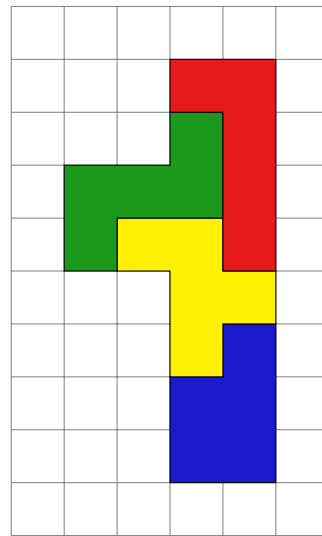
$$L + T + V + Z = W^2$$



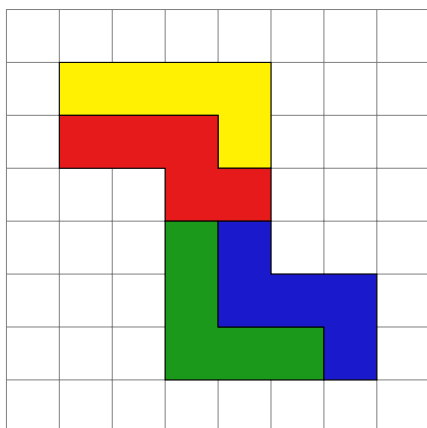
$$N + P + V + Z = W^2$$



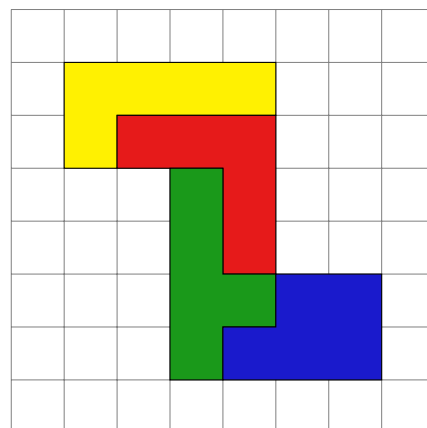
$$L + P + W + Z = Y^2$$



$$F + L + P + Z = Y^2$$



$$L + N + V + Z = Z^2$$



$$L + P + V + Y = Z^2$$