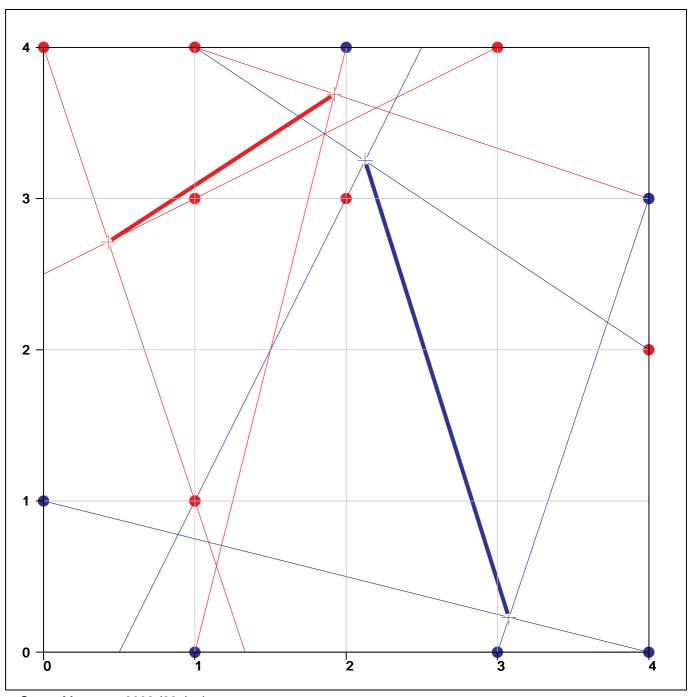"Approximate squaring of a circle": Radius in red, Edge of square in blue.
The ratio of their squared lengths is 5311453 / 1690688
giving approximation pi=3.1415926534... , error 1.8*e-10
The ratio of the areas is 1.00000000006.