A graph paper with red writing

Description automatically generatedA graph paper with numbers and lines

Description automatically generated

A graph with dots on it

Description automatically generatedA graph on a graph paper

Description automatically generated

A graph paper with red writing on it

Description automatically generated

Time double with almost doubled with every increment of K, and became about 16 times slower when S was increased to 100 from 10.

The accuracy increased but seemed to plateau as K increased while S was at 10, but reached 100% accuracy at K = 25, and S = 100. It stayed at 100% accuracy as K increased from that point. This implies that the algorithm was successful, but to achieve true accuracy an array size above 10 was needed.

Computer configuration and OS: Windows 10, DDR4 16 Gb ram, I7 9700k