Edges of COMPLETE GRAPH-4:

( 1, 2) ( 2, 3) ( 2, 4) ( 4, 1) ( 1, 3) ( 3, 4)

VERTICES = 4 EDGES = 6

Chromatic polynomial of COMPLETE GRAPH-4:

\[ P(G, x) = 1 \times (x-1)^3 - 3 \times (x-1)^2 + 2 \times (x-1) + 1 \]