

*****COMPLETE GRAPH-5*****

Edges of COMPLETE GRAPH-5

(3, 4) (2, 4) (1, 5) (2, 3) (1, 4) (1, 3) (2, 5)
(1, 2) (3, 5) (4, 5)

VERTICES = 5 EDGES = 10

Chromatic polynomial of COMPLETE GRAPH-5:

$$\begin{aligned} P(G, x) = & \quad 1 x*(x-1)^4 \\ & -6 x*(x-1)^3 \\ & 11 x*(x-1)^2 \\ & -6 x*(x-1)^1 \end{aligned}$$