

*****COMPLETE GRAPH-16*****

Edges of COMPLETE GRAPH-16:

(11, 15) (9, 14) (6, 16) (2, 14) (3, 15) (4, 13) (8, 15)
 (13, 14) (7, 13) (10, 13) (3, 16) (12, 16) (13, 15) (1, 5)
 (6, 14) (1, 15) (15, 16) (8, 11) (4, 10) (5, 11) (14, 15)
 (2, 7) (12, 14) (10, 15) (4, 11) (3, 12) (11, 13) (1, 14)
 (6, 13) (6, 11) (6, 9) (11, 16) (1, 16) (4, 15) (2, 12)
 (5, 10) (8, 16) (13, 16) (9, 15) (8, 12) (2, 15) (3, 14)
 (5, 13) (7, 12) (4, 8) (3, 11) (1, 12) (9, 13) (6, 15)
 (7, 10) (5, 14) (2, 10) (5, 9) (1, 11) (8, 13) (2, 9)
 (5, 8) (5, 15) (9, 12) (2, 16) (4, 16) (9, 10) (3, 8)
 (8, 14) (9, 11) (2, 3) (8, 10) (4, 14) (6, 10) (10, 11)
 (6, 12) (3, 6) (5, 16) (3, 5) (10, 12) (7, 9) (2, 13)
 (3, 10) (14, 16) (1, 4) (5, 6) (5, 12) (7, 11) (3, 4)
 (2, 6) (1, 7) (4, 7) (1, 6) (7, 14) (4, 12) (1, 13)
 (6, 8) (1, 10) (1, 3) (12, 15) (4, 6) (10, 16) (11, 14)
 (8, 9) (9, 16) (5, 7) (4, 5) (7, 8) (1, 2) (7, 15)
 (1, 8) (2, 4) (2, 11) (12, 13) (6, 7) (2, 5) (3, 9)
 (3, 13) (10, 14) (3, 7) (11, 12) (7, 16) (4, 9) (1, 9)
 (2, 8)

VERTICES = 16 EDGES = 120

Chromatic polynomial of COMPLETE GRAPHS-15:

P(G, x) =
 1 x*(x-1)^ 15
 -105 x*(x-1)^ 14
 5005 x*(x-1)^ 13
 -143325 x*(x-1)^ 12
 2749747 x*(x-1)^ 11
 -37312275 x*(x-1)^ 10
 368411615 x*(x-1)^ 9
 -2681453775 x*(x-1)^ 8
 14409322928 x*(x-1)^ 7
 -56663366760 x*(x-1)^ 6
 159721605680 x*(x-1)^ 5
 -310989260400 x*(x-1)^ 4
 392156797824 x*(x-1)^ 3
 -283465647360 x*(x-1)^ 2
 87178291200 x*(x-1)^ 1