

*****COMPLETE GRAPH-10*****

Edges of COMPLETE GRAPH-10:

```
( 2, 9) ( 2, 10) ( 1, 10) ( 1, 7) ( 3, 8) ( 4, 5) ( 8, 10)
( 4, 9) ( 9, 10) ( 1, 9) ( 3, 10) ( 6, 8) ( 2, 7) ( 1, 5)
( 5, 8) ( 3, 7) ( 6, 9) ( 4, 7) ( 2, 8) ( 3, 9) ( 7, 8)
( 6, 7) ( 4, 8) ( 3, 6) ( 5, 10) ( 7, 9) ( 5, 6) ( 3, 5)
( 2, 4) ( 8, 9) ( 7, 10) ( 5, 7) ( 1, 6) ( 1, 3) ( 1, 2)
( 4, 10) ( 2, 5) ( 1, 8) ( 6, 10) ( 4, 6) ( 5, 9) ( 3, 4)
( 2, 6) ( 2, 3) ( 1, 4)
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VERTICES = 10 EDGES = 45

Chromatic polynomial of COMPLETE GRAPH-10:

```
P(G, x) =      1 x*(x-1)^ 9
              -36 x*(x-1)^ 8
              546 x*(x-1)^ 7
             -4536 x*(x-1)^ 6
             22449 x*(x-1)^ 5
            -67284 x*(x-1)^ 4
            118124 x*(x-1)^ 3
           -109584 x*(x-1)^ 2
            40320 x*(x-1)^ 1
```