digraph G {

10->1

10 [ style = filled, color=yellow ];

9->81

81->65

65->61

61->37

37->58

58->89

89->145

145->42

42->20

20->4

4->16

16->37

9 [ style = filled, color=green ];

8->64

64->52

52->29

29->85

85->89

8 [ style = filled, color=green ];

7->49

49->97

97->130

130->10

7 [ style = filled, color=yellow ];

6->36

36->45

45->41

41->17

17->50

50->25

25->29

6 [ style = filled, color=green ];

5->25

5 [ style = filled, color=green ];

4 [ style = filled, color=red ];

3->9

3 [ style = filled, color=green ];

2->4

2 [ style = filled, color=green ];

1 [ style = filled, color=yellow ];

}