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Prove that there exist integers  $k(g)$   
for  $g = 0, 1, 2, \dots$  with the following property:

Every 3-colorable graph embeddable in  
a surface of (Euler) genus  $\leq g$  has  
at most  $k(g)$  Kempe equivalence  
classes of 4-colorings.

$$k(0) = 1$$