## 震

## 3-Color Planar Crossover Gadget

(due to Larry Stockmeyer ACM SIGACT News July 1973, pp 19-25)
Any assignment of colors to
u and v can be extended to
a 3-coloring of the gadget



- Any assignment of colors to $u$ and $v$ can be extended to a 3-coloring of the gadget
- In any 3-coloring, the colors of $u$ and $w$ are the same, and the colors of $v$ and $x$ are the same




