



Assign each variable a register (M: V->R) S,t. no two variables adjacent in I have the same mapping  $\forall (u,v) \in E$ .  $M(u) \pm M(v)$ 

feasible: Avalid solution optimal: Most preferred

Max clique size is the minimum registers if > \*Lof regs

M': V >> N feasible: some assignment
optimal: smallest (minimize muxime M(v))

If m'(v) = i and i < Hof regs, then wse reg;
o.w. use stack location(i- Hofregs)

Graph Coloring



