

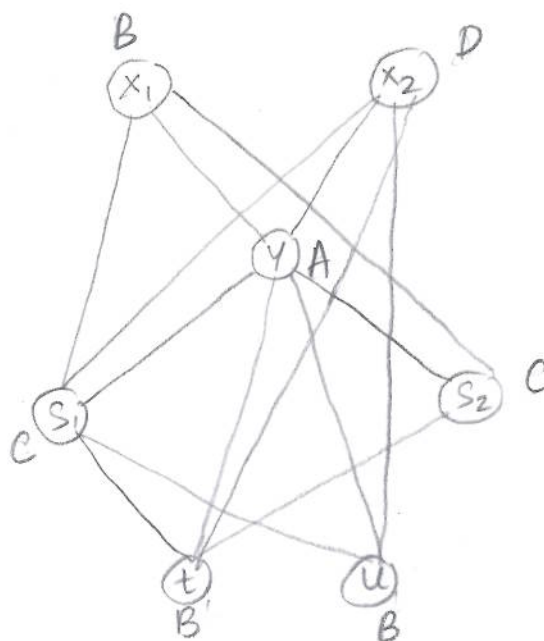
Fig (1a.) Code for Register Allocation Question

Merged Live Ranges :

$x_1, x_2$   
 $y \{y_1, y_2, y_3\}$  // equivalence class  
 $s_1, s_2$   
 $t \{t_1, t_2, t_3\}$  // equivalence class  
 $u$

Fig (1b.) Interference Graph

Colors =  $\{A, B, C, D\}$



Nodes Edges

$y: s_1, s_2, x_1, x_2, t, u$

$x_1: s_1, s_2, y$

$x_2: s_1, y, u, t$

$s_1: x_1, x_2, y, t, u$

$s_2: x_1, y, t$

$t: s_1, s_2, y, x_2$

$u: s_1, x_2, y$