

SRLG:

$R_{r1} = \{e_1, e_6, e_8\}$

$R_{r2} = \{e_3, e_{12}\}$

$R_{r3} = \{e_4, e_{10}\}$

$AP = \{e_1, e_2, e_3, e_4, e_5\}$

$ER = \{e_8, e_6, e_{12}, e_{10}\}$

$e_i:x$ ,  $x$  is capacity of edge  $e_i$ .

