

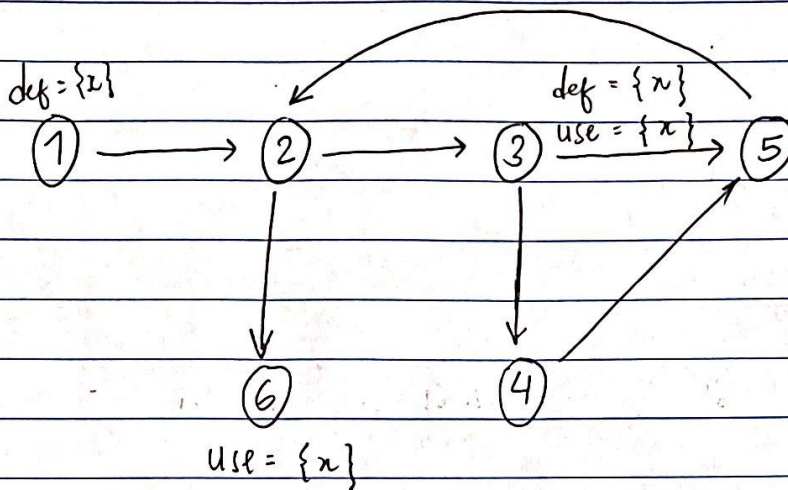
Hw 5

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1)

Graph II

a)



b) $\{ [1, 2, 3], [1, 2, 6], [3, 4, 5, 2, 3], [3, 5, 2, 3], [3, 4, 5, 2, 6], [3, 5, 2, 6] \}$

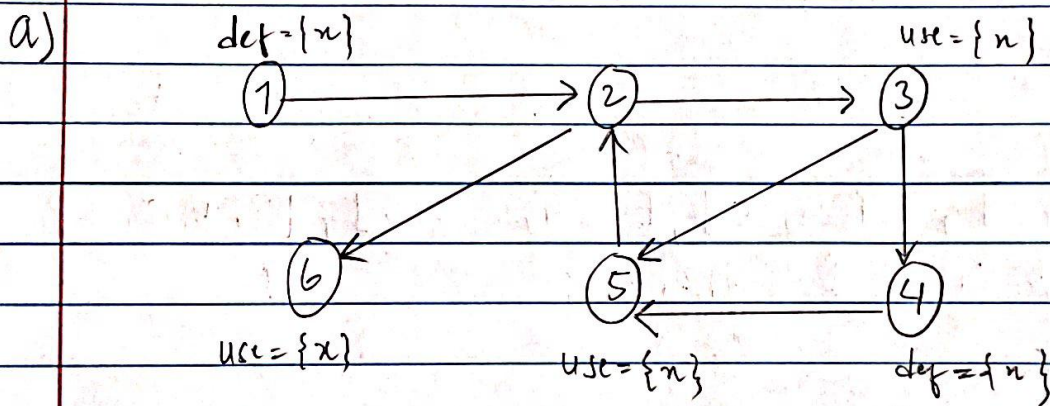
c)	Test paths	du-paths
	t_1	$[1, 2, 6]$
	t_2	$[1, 2, 3], [3, 4, 5, 2, 3], [3, 5, 2, 6]$
	t_3	$[1, 2, 3], [3, 4, 5, 2, 6], [3, 5, 2, 3]$
	t_4	$[1, 2, 3], [3, 5, 2, 6]$

d) t_2 or t_3 or t_4

e) $\{t_1, t_2\}$ or $\{t_1, t_3\}$

f) $\{t_1, t_2, t_3\}$

Graph III



b) $\{[1, 2, 3], [1, 2, 6], [1, 2, 3, 5], [4, 5], [4, 5, 2, 3], [4, 5, 2, 6]\}$

c)	Test paths	du-paths	
		direct touring	side trips
	t_1	$\{[1, 2, 3], [1, 2, 3, 5]\}$	$\{[1, 2, 6]\}$
	t_2	$\{[1, 2, 3], [4, 5, 2, 6], [4, 5]\}$	$\{[1, 2, 6]\}$

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d) $\{ t_2 \}$

e) $\{ t_1, t_2, [1, 2, 6], [4, 5, 2, 3, 5, 2, 6] \}$

f) $\{ t_1, t_2, [1, 2, 6], [4, 5, 2, 3, 5, 2, 6] \}$