CS540 Section 4 HW3 04/16/2015

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P2.

(a)   A={1}

B={1,2,3}

C={3}

D={1,2,3}

E={2}

F={1,3}

G={1,3}

(b)   Final Solution:

A:1, B:2, C:3, D:1, E:2, F:3, G:1

(c)   When revised, add (xk,xj) to the end of the queue. Initialize the queue with all arcs in alphabetical order. This state is the state when the AC-3 algorithm terminated.

A={1}

B={1}

C={2}

D={2,3}

E={3}

F={2}

G={}

(d)   Final Solution:

A:1, B:2, C:3, D:1, E:2, F:3, G:1