## HW9 - Dynamic Programming

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1.	For the following graph,	use Warshal	l's to compute the transitive clos	ure.	Show a	all step	s (6 R	
	matrices).				1			1

	is to compute the transitive closure. Show all steps (6 R
matrices).	abode
	$R^{(0)} = \begin{array}{c} 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 &$
P(0) - 600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	R(2) a 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
(3) = c de a 1 1 0 1 b 1 1 0 1 e 1 1 0 1 e 1 1 0 1	A R C I I O

0(0)	a [	_a_1	h 11	<i>C</i> / /	000	e-	
K	c	1	1	1	0		
	d	1	1	1	0		
	4		1	1	0	1	

2. For the following graph, use Floyd's to computer the all pairs shortest paths. Show all steps (6 D Matrices).