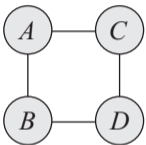


$\phi_2$	$a^0$	$a^1$
$c^0$	5	0.2
$c^1$	0.2	5

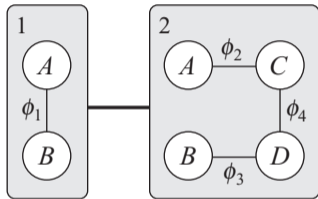
$\phi_1$	$a^0$	$a^1$
$b^0$	10	0.1
$b^1$	0.1	10



$\phi_4$	$c^0$	$c^1$
$d^0$	0.5	20
$d^1$	1	2.5

$\phi_3$	$b^0$	$b^1$
$d^0$	5	0.2
$d^1$	0.2	5

(a) Markov network



(b) cluster tree