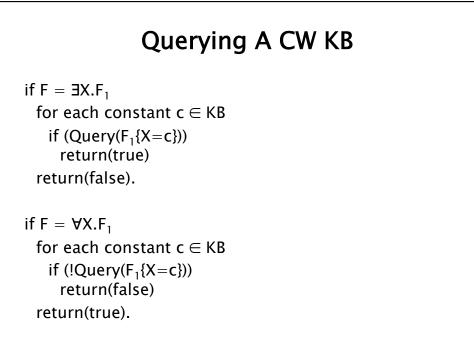


## Querying A CW KB

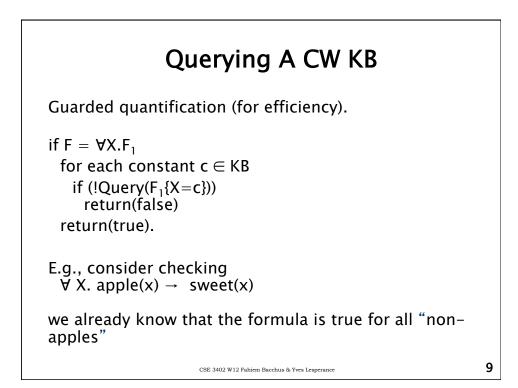
```
if F = F_1 \wedge F_2
return(Query(F_1) & Query(F_2))
if F = F_1 \vee F_2
return(Query(F_1) || Query(F_2))
if F = \neg F_1
return(! Query(F_1))
if F = F_1 \rightarrow F_2
return(!Query(F_1) || Query(F_2))
```

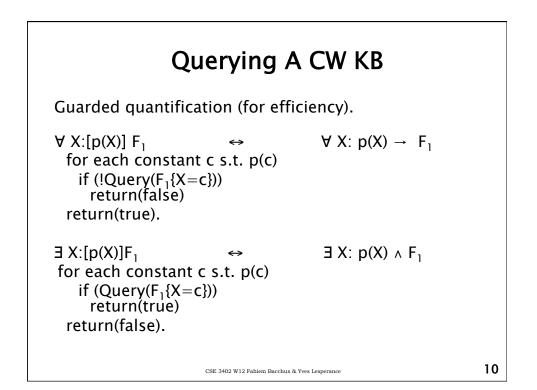


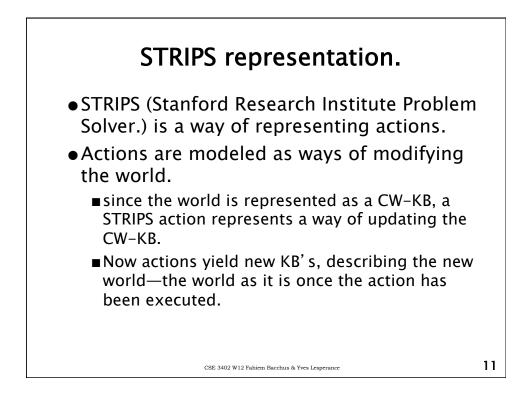
CSE 3402 W12 Fahiem Bacchus & Yves Lesperance

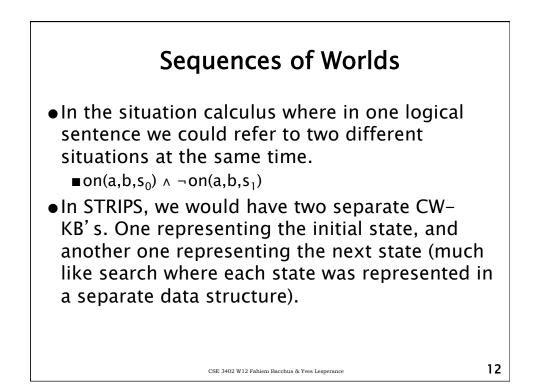
8

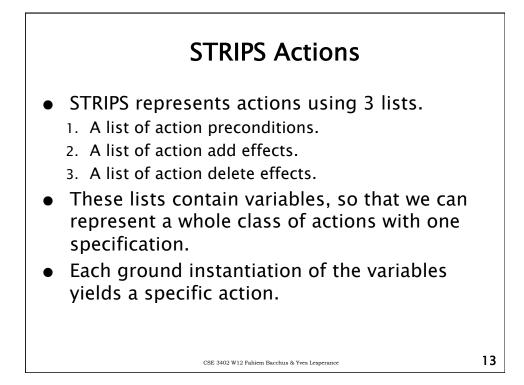
7

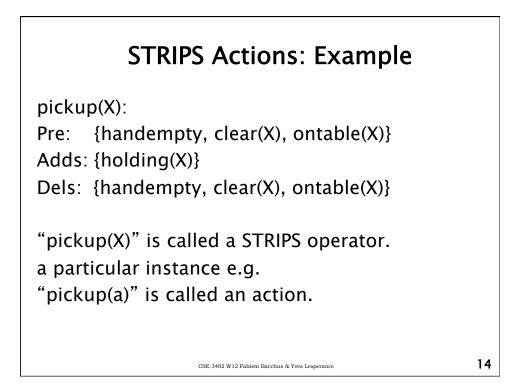


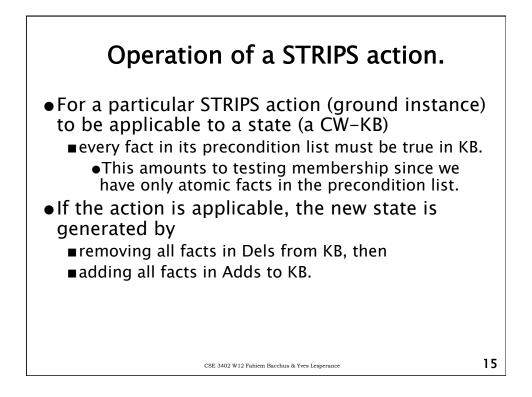


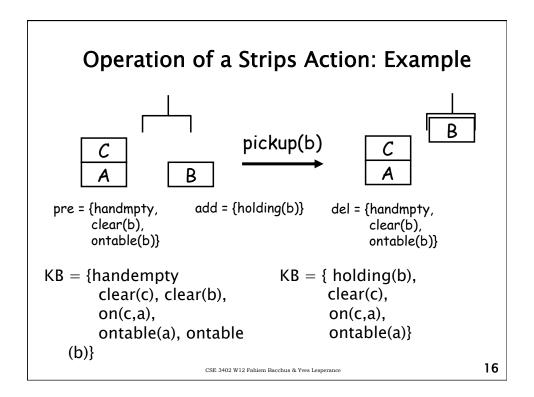


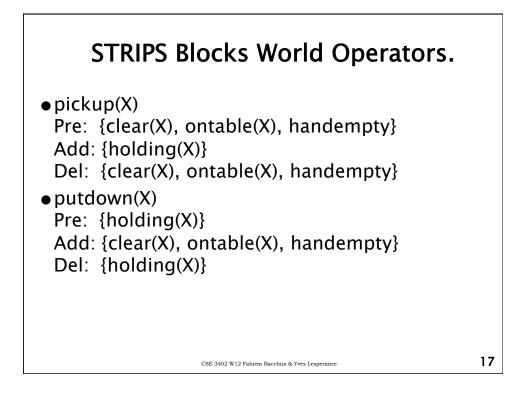


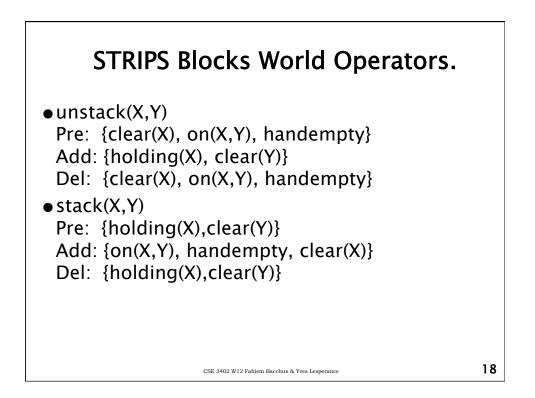


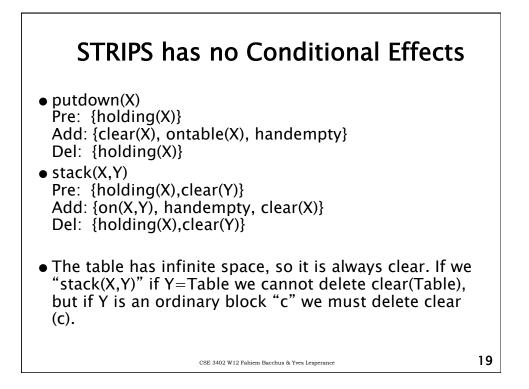


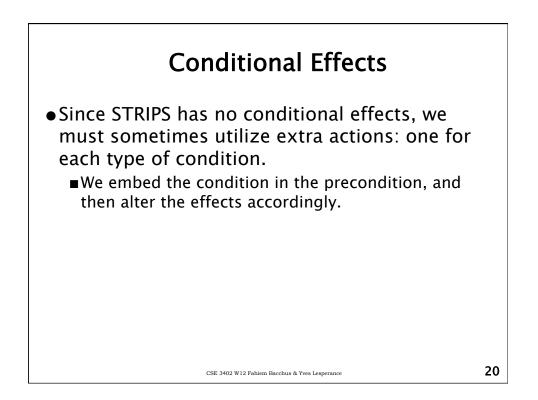


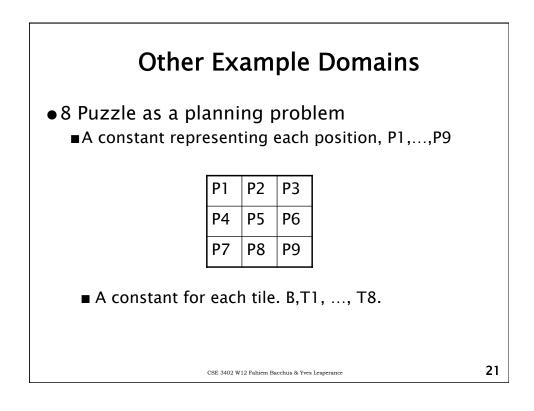


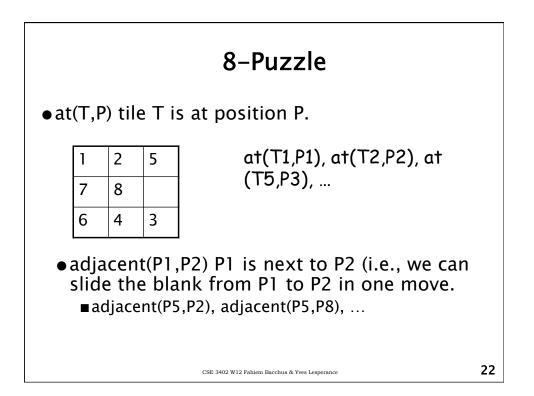


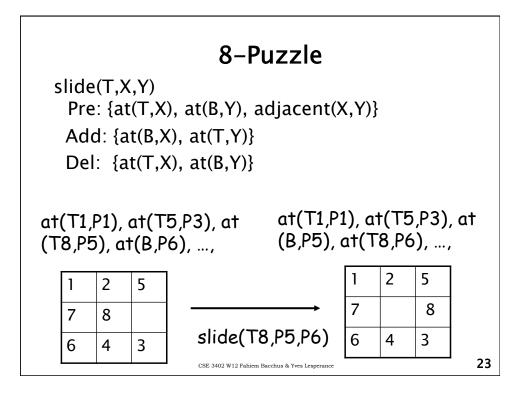


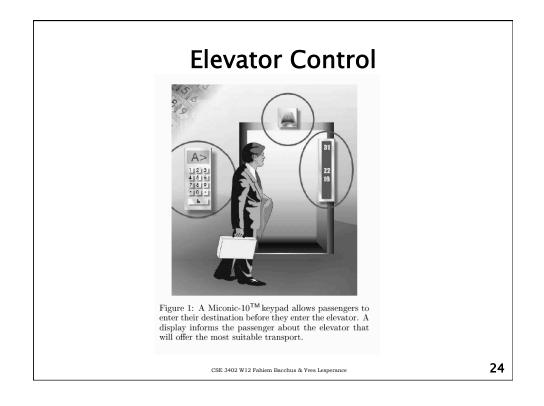


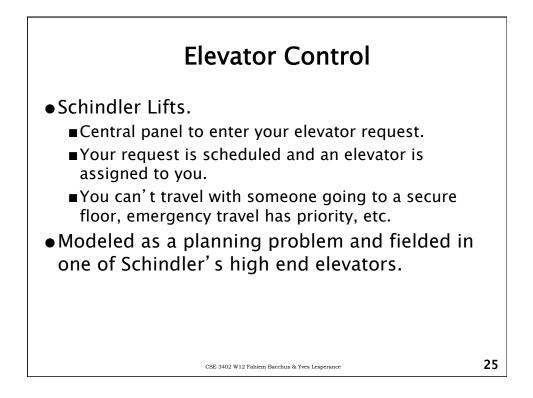


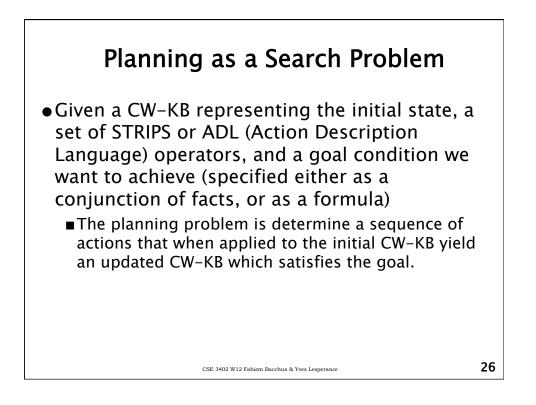


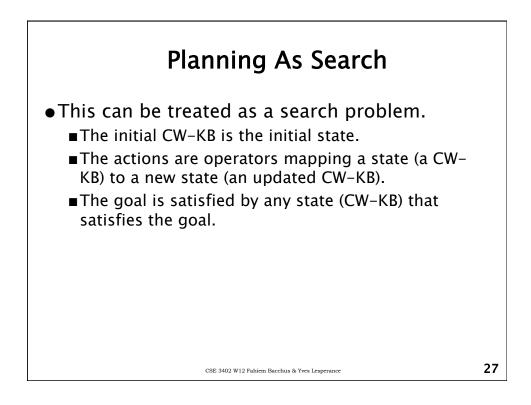


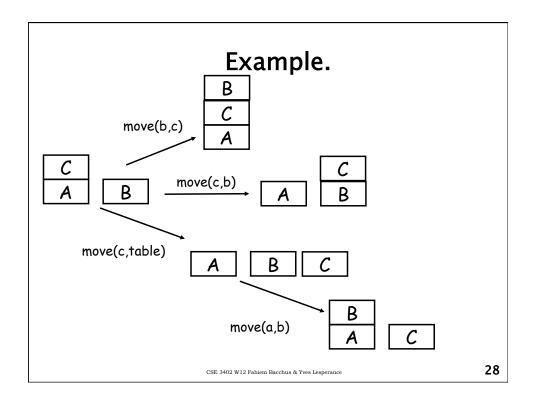


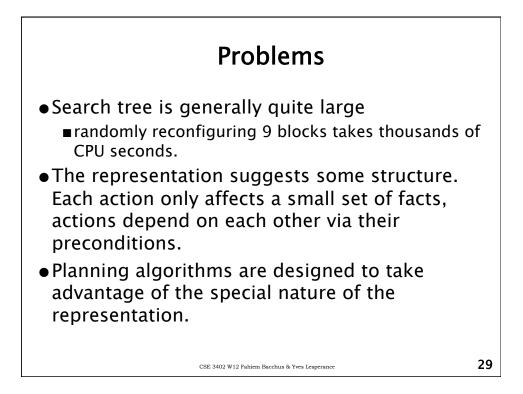


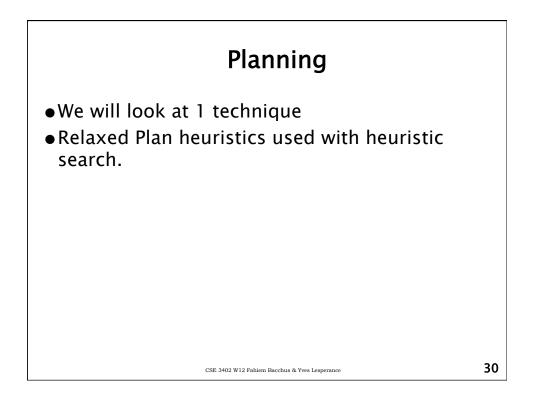


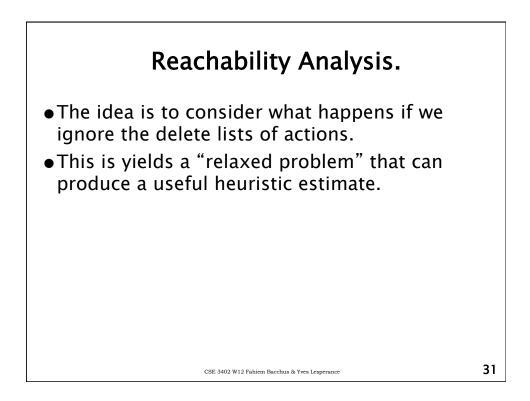


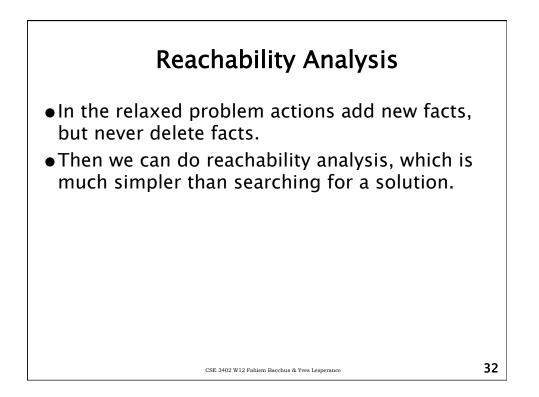


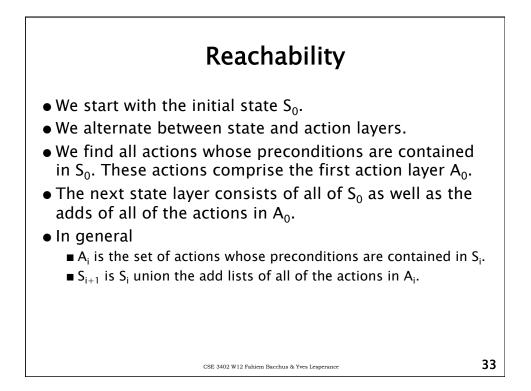


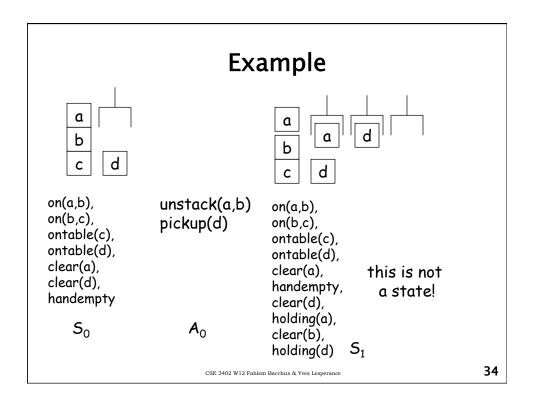


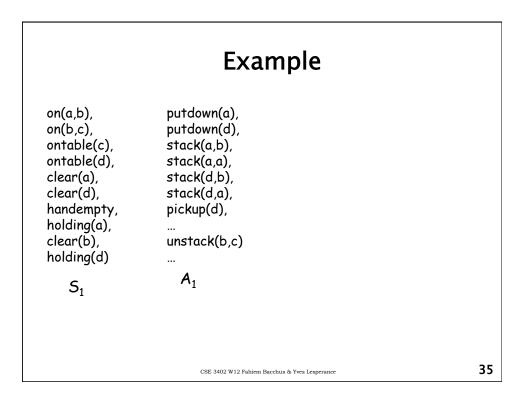


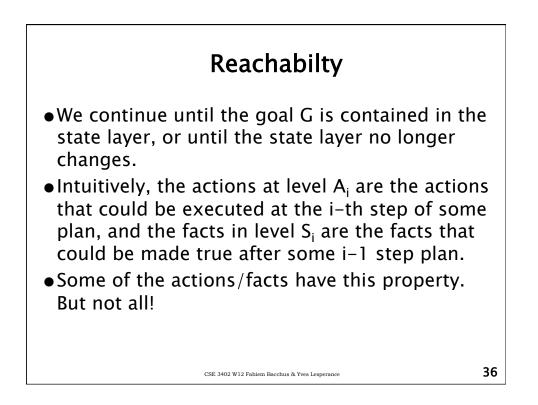


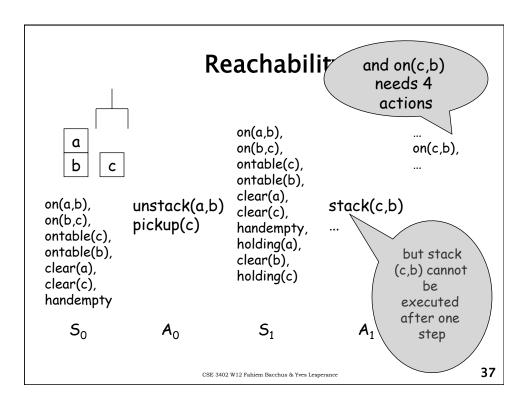


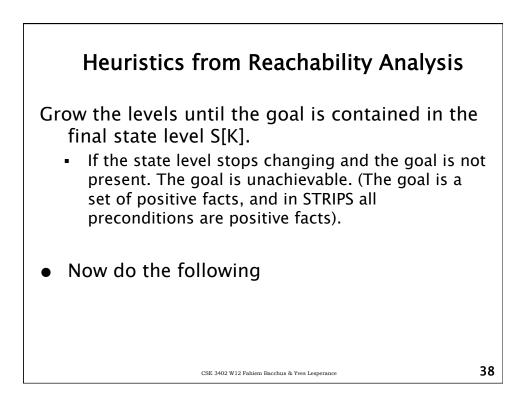


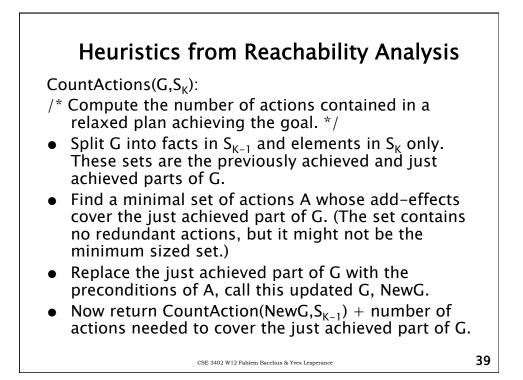


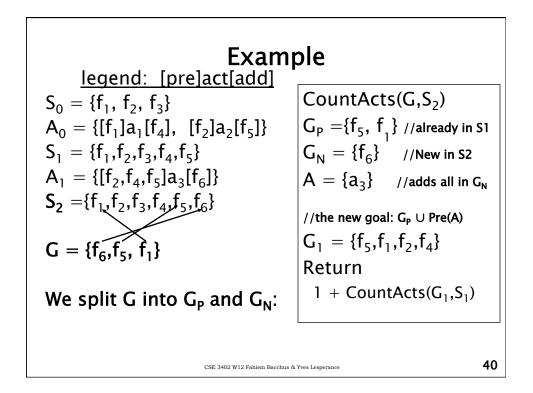


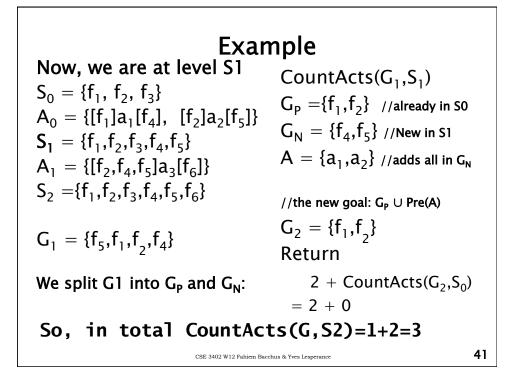


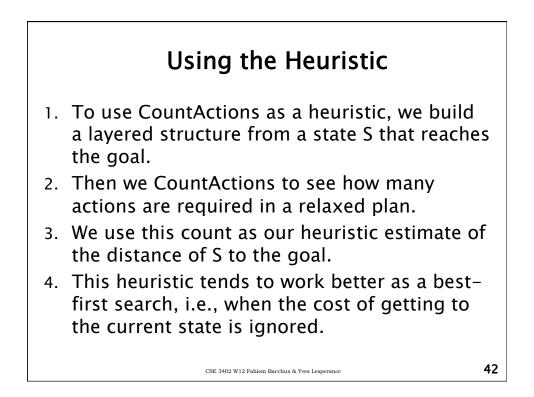


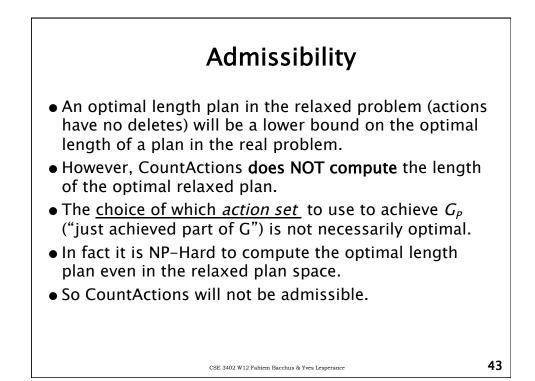


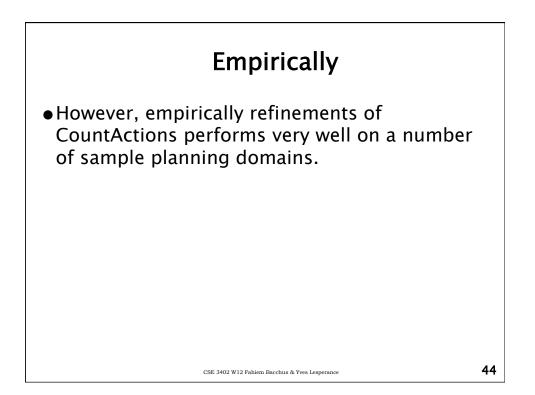


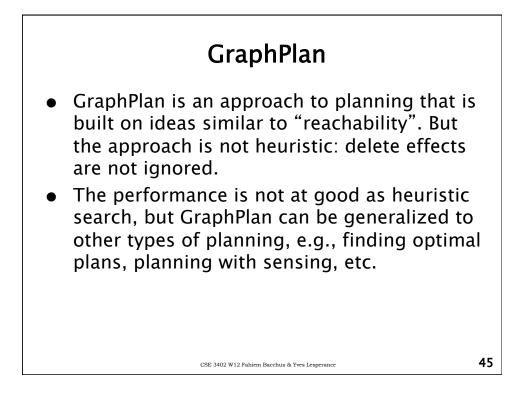


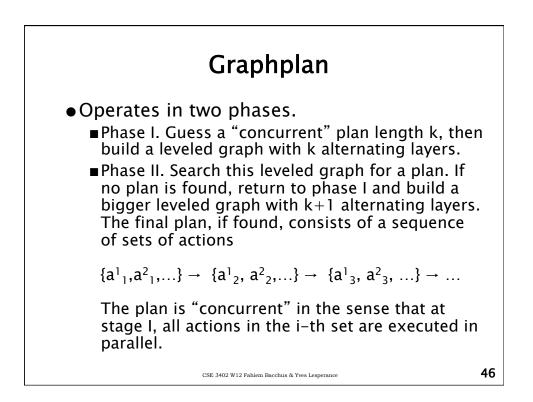


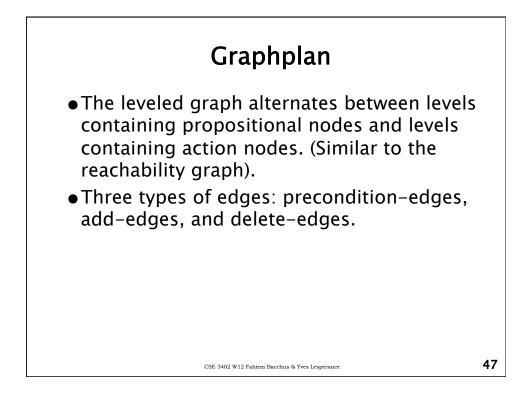


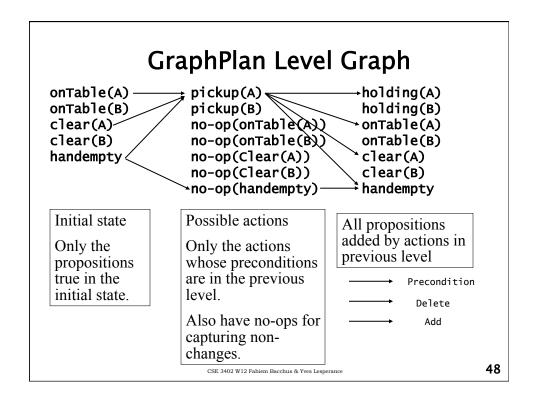


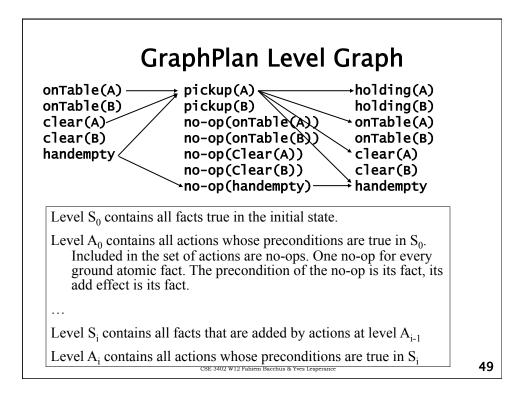


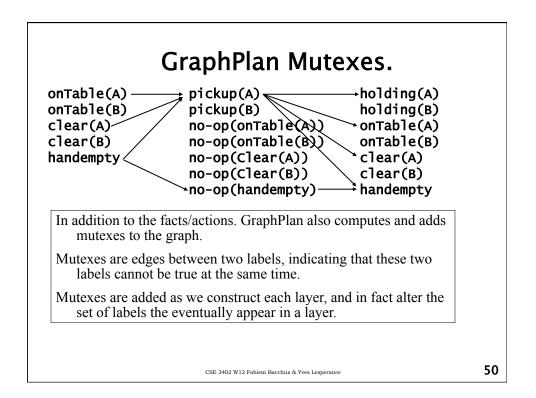


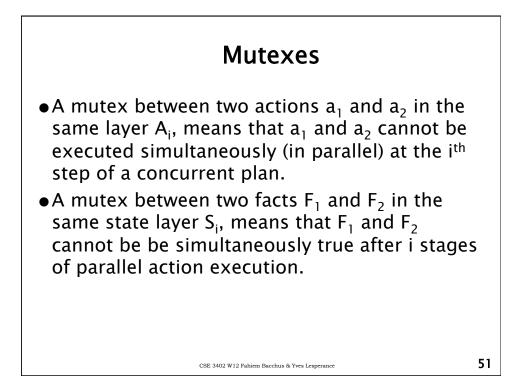


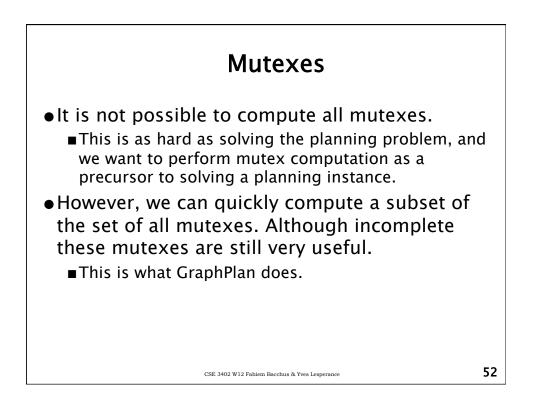


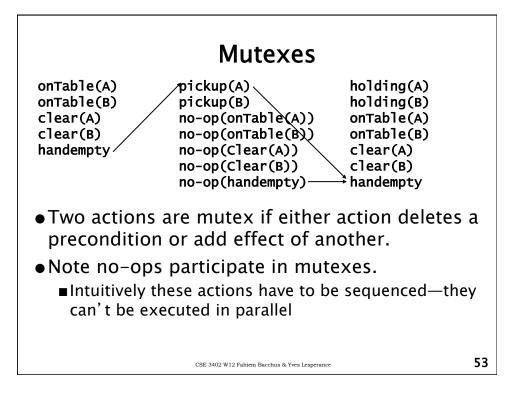




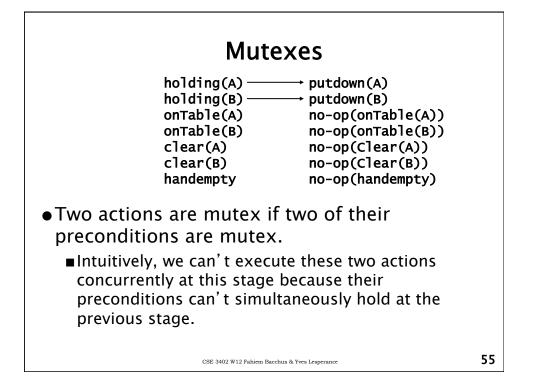


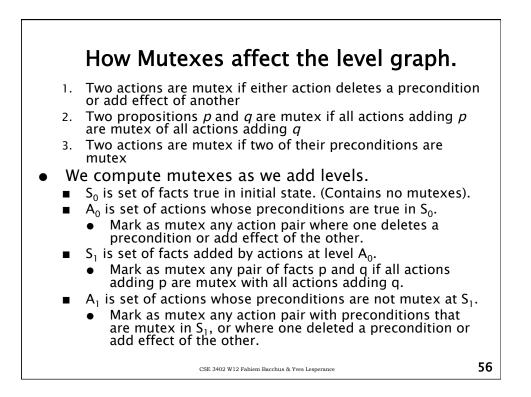


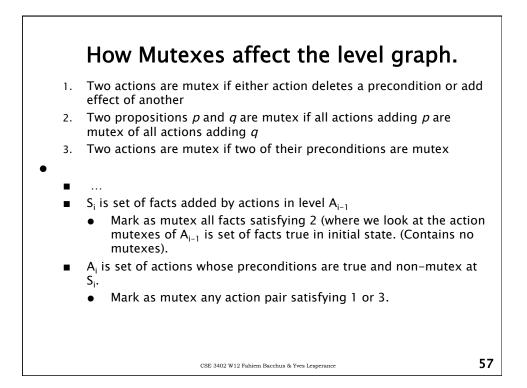


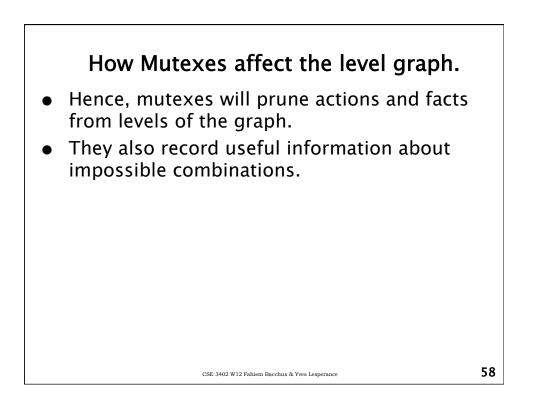


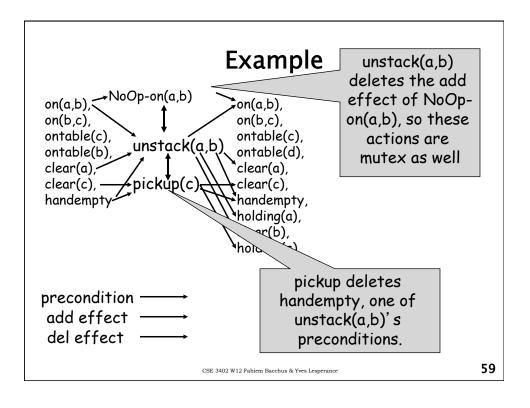
	Mutexes		
onTable(A) onTable(B) clear(A) clear(B) handempty	pickup(A) pickup(B) no-op(onTable(A)) no-op(onTable(B)) no-op(Clear(A)) no-op(Clear(B)) no-op(handempty)	→holding(A) →holding(B) onTable(A) onTable(B) clear(A) clear(B) handempty	
	sitions <i>p</i> and <i>q</i> are n ding <i>p</i> are mutex of a		
∎Intuitively stage bec	at all pairs of actions th , can't achieve p and q ause we can't concurrer actions for them at the	together at this ntly execute	
	CSE 3402 W12 Fahiem Bacchus & Yves Lesperance		54

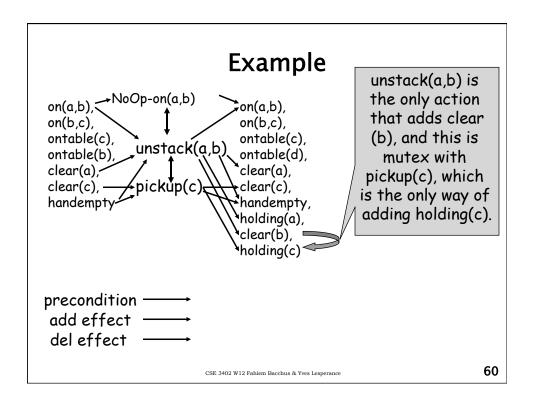


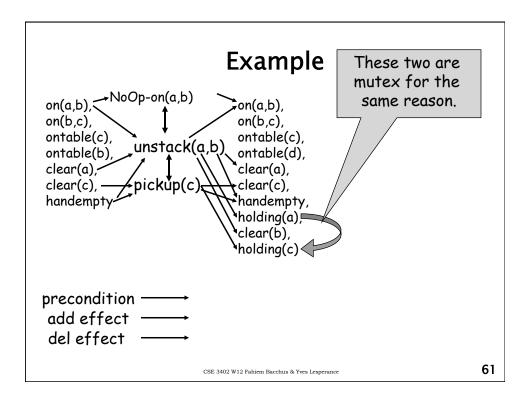


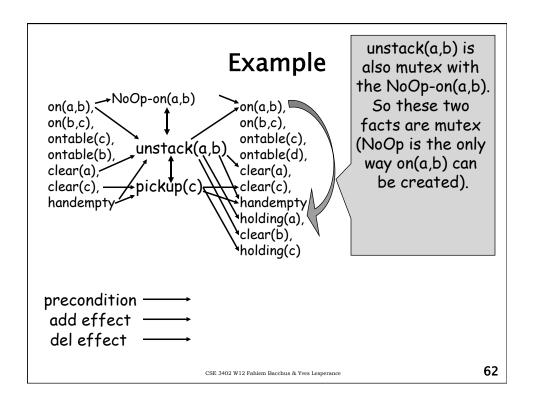


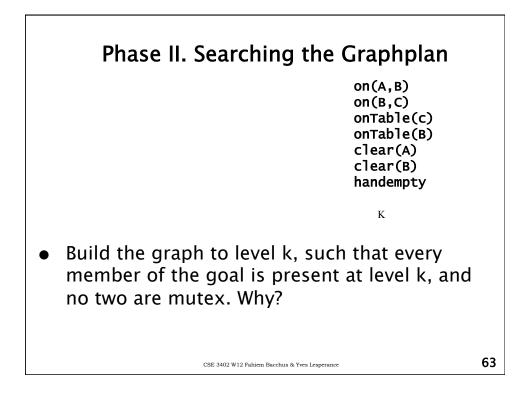


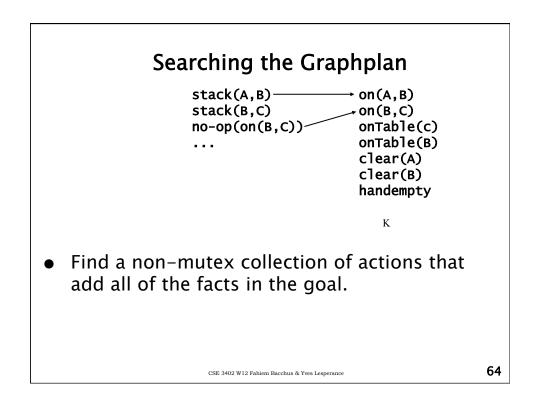


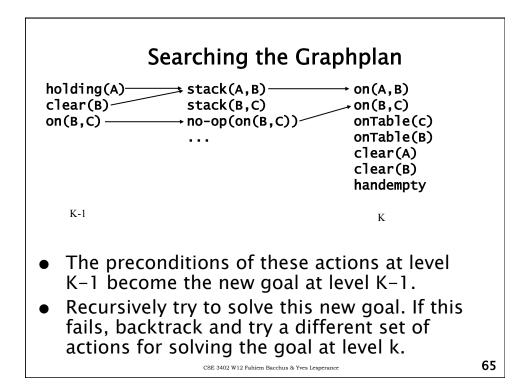


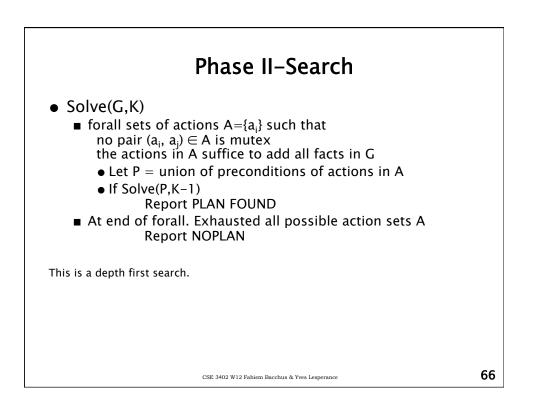


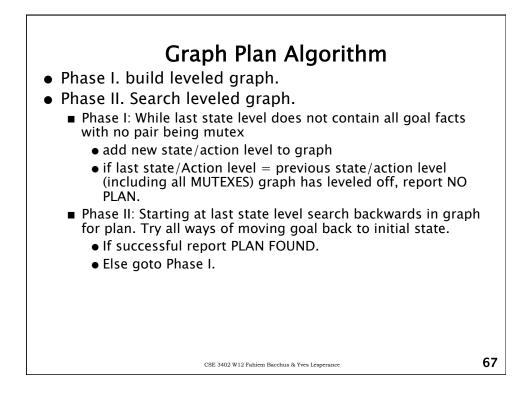












	Dinner Date Example			
Initial State	-			
{dirty, clea	InHands, quiet}			
<ul> <li>Goal</li> </ul>				
{dinner, pr	resent, clean}			
<ul> <li>Actions</li> </ul>				
Cook:	Pre: {cleanHands} Add: {dinner}			
∎ Wrap:	Pre: {quiet} Add: {present}			
■ Tidy:	Pre: {} Add: {clean} Del: {cleanHands, dirty}			
∎ Vac:	Pre: {} Add: {clean} Del: {quiet, dirty}			
	CSE 3402 W12 Fahiem Bacchus & Yves Lesperance	68		

