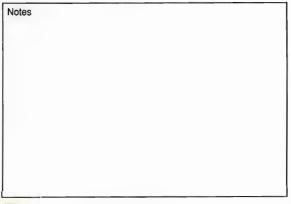


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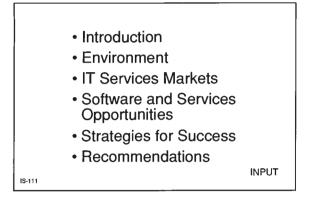


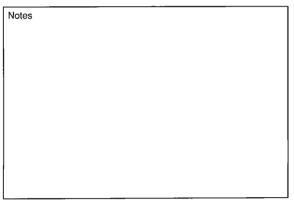
Opportunities and Conclusions

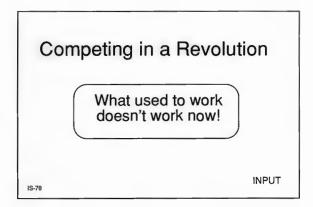
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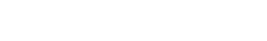


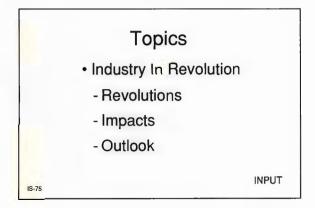


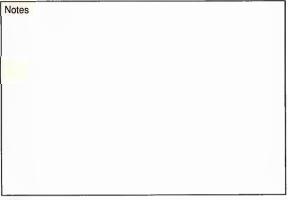


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U.S. Information Services Market Outlook

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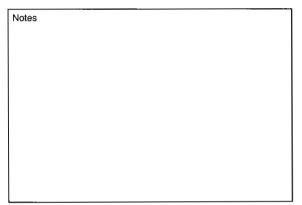




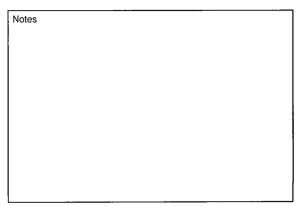


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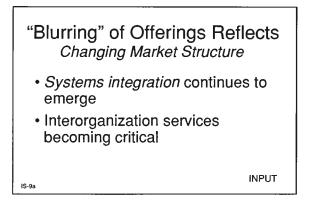


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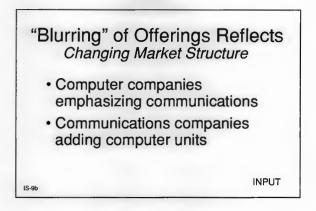
"Blurring" of Offerings Reflects Changing Market Structure
New technologies will create additional changes
 Object-oriented programming
 Client/server-based application
IS-6b INPUT

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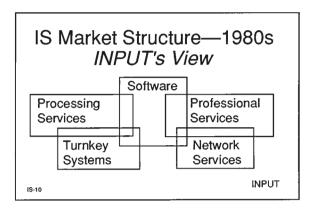


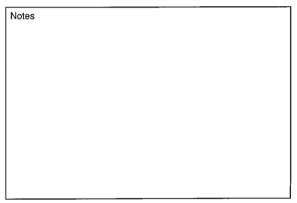
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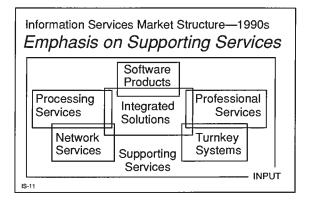


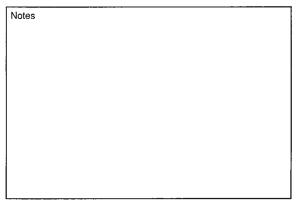
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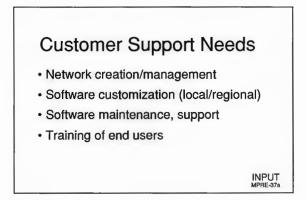
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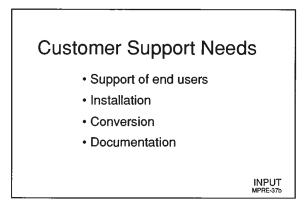


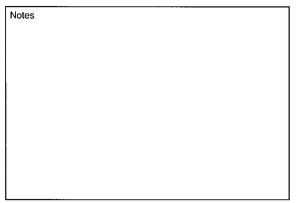




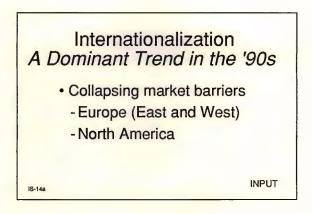


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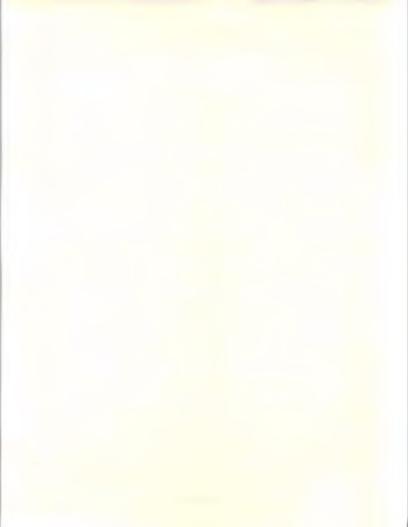








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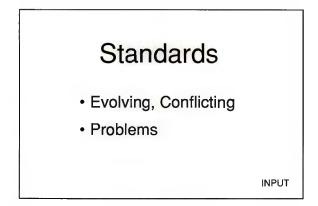






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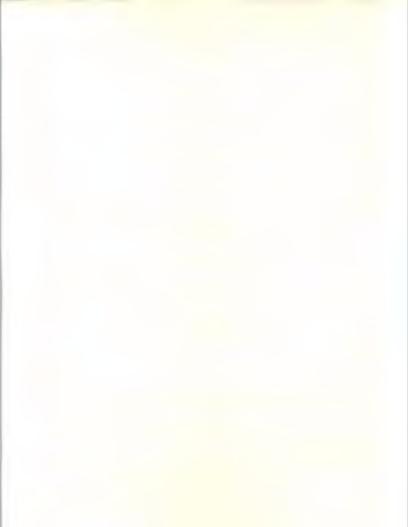


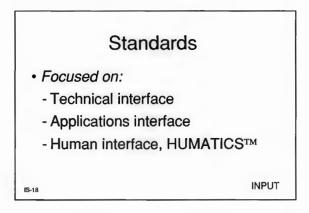
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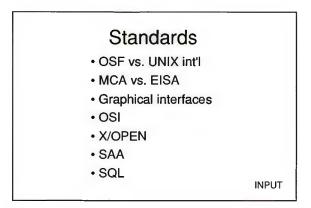


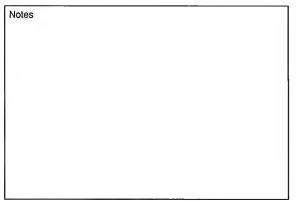
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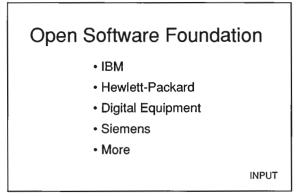


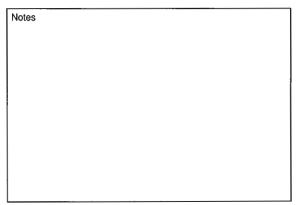


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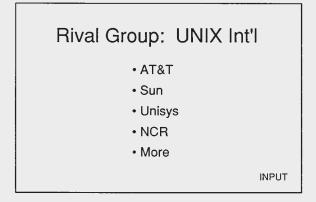




Two UNIX Standards Are Developing

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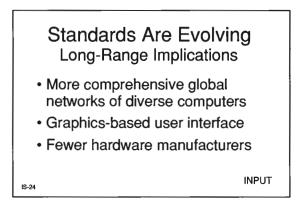


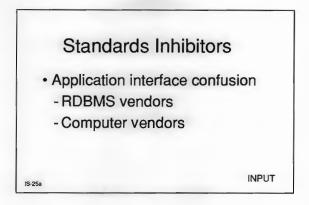




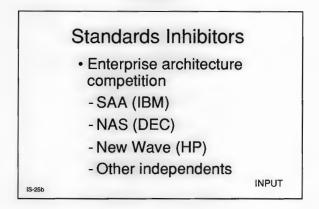
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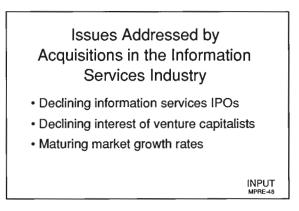


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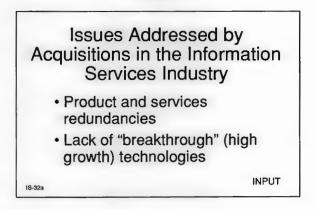
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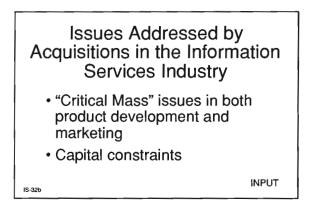
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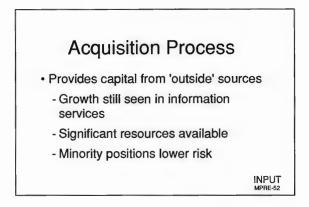


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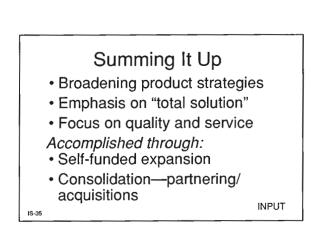
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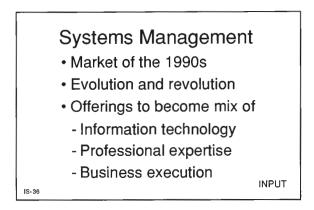
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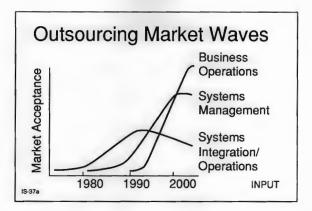
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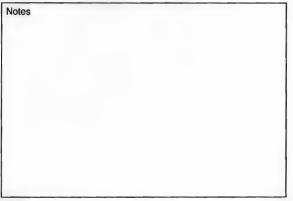


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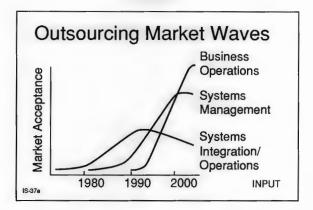


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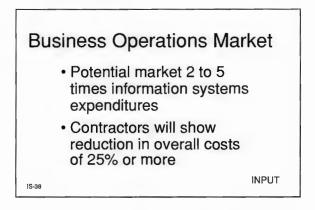


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Business Operations Examples

- Insurance claims processing
- Telephone company yellow pages
 operation
- Credit card operations
- Coupon processing for retailers
- Fulfillment for direct marketing INPLIT

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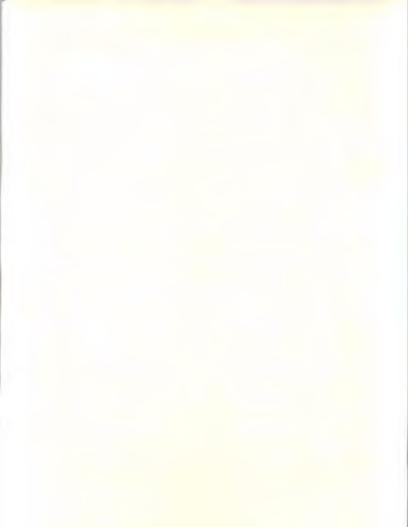




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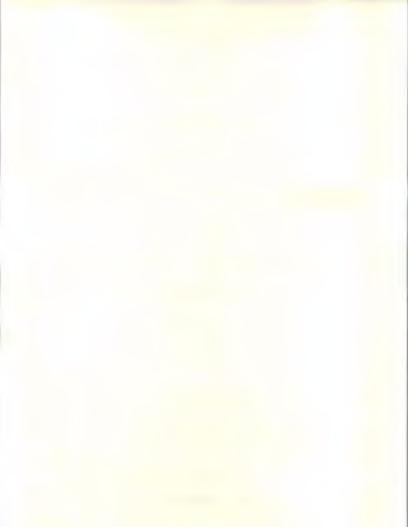
Information Services Industry, 1980 vs. 1990			
Difference Implication			
Five times as big	Slowing growth		
Many large vendors	Consolidation and dominance		
Stronger vendors	Greater reliance by user		
IS-41	INPUT		

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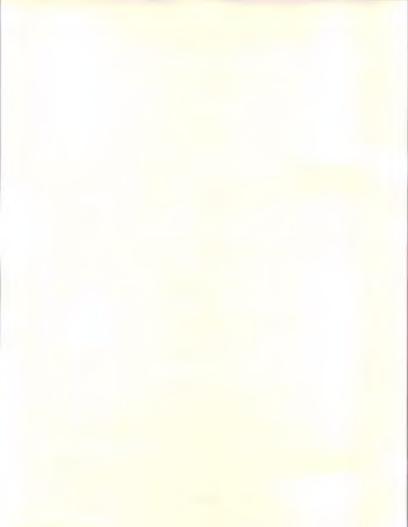
Information Services Industry, 1980 vs. 1990			
Difference	Implication		
Willingness to outsource operations	Processing services shifts to systems operations		
More technological alternatives	More services required to integrate		
IS-42	INPUT		

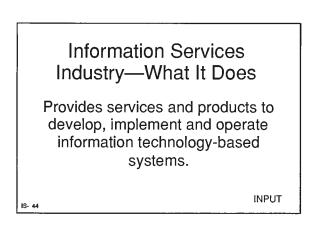
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Information Services Industry, 1980 vs. 1990		
Difference	Implication	
Greater variety of services	Changing distribution channels	
Worldwide Breadth and complexity of service offerings		
Many small vendors	Alliances to succeed	
15-43	INPUT	

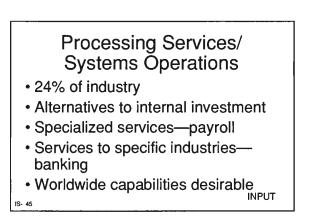
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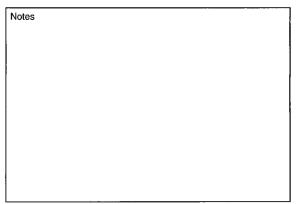


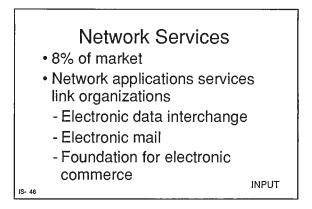


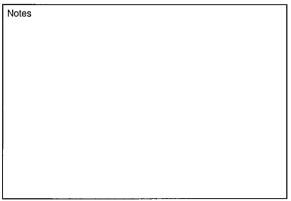
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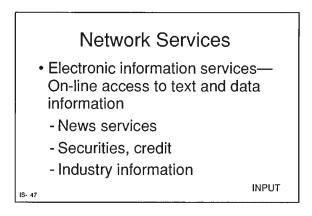
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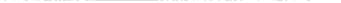














- Alternative to internal employment
- · Access to skills and technology
- Solutions oriented services
- · Developer of IT professionals

IS- 48

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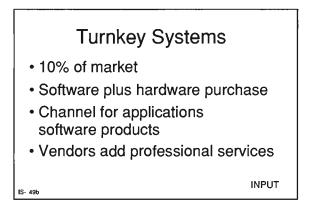


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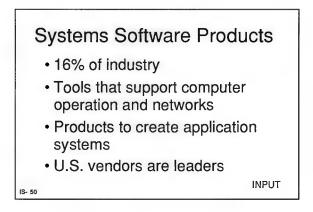


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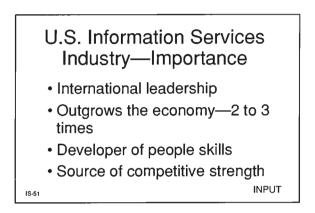
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U.S. Information Services Industry			
Sector	No. of Companies		
Software products	2,900		
Turnkey systems	2,500		
Professional services/	1,800		
Systems integration			
IS-52a	INPUT		

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U.S. Information Services Industry			
Sector	No. of Companies		
Processing services/ Systems operations	3,500		
Network services	500		
Total 11,200			

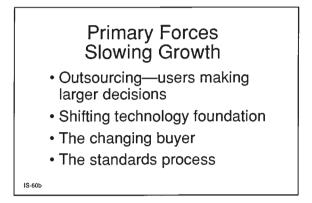
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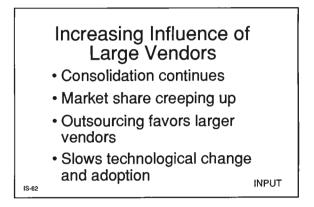


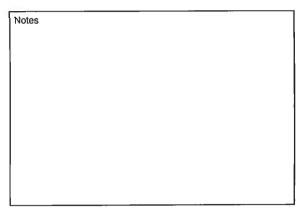
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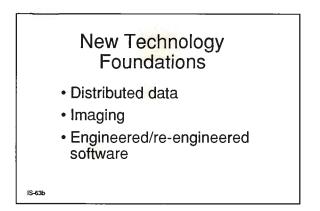




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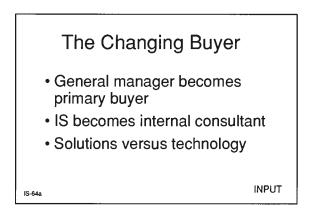
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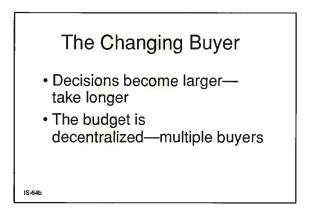


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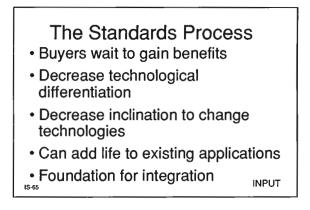


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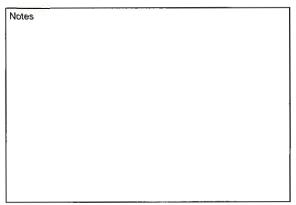
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Why Alliances Don't Work	١
Alliances require synergy—	
<i>Millar:</i> "Synergy is an unnatural act"	
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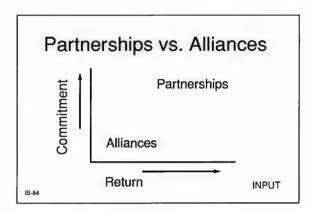
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Partnerships vs. Alliances			
Partnerships	Alliances		
Marriage Cohabitation			
Joint ownership License to Distribute			
Shared financing Own financing			
Formal	Convenient		
IS-83			

Notes			

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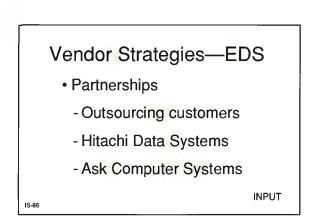
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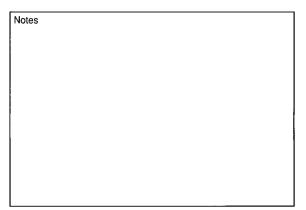
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Vendor Strategies					
Company	Partnerships	ships Alliances			
EDS	Few	Few			
Andersen	Few	Many			
IBM	Increasing	Many			
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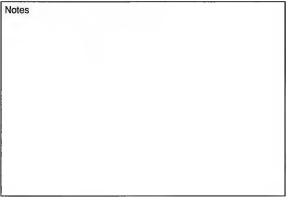






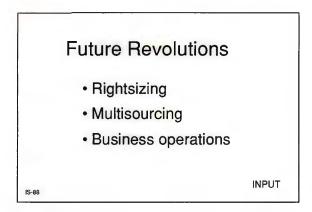
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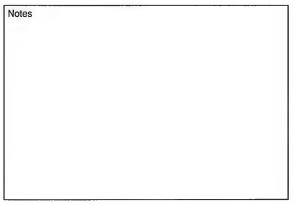


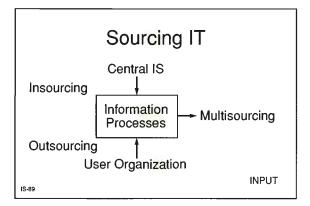


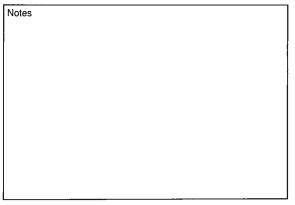


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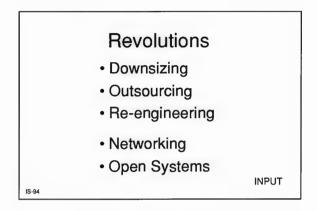


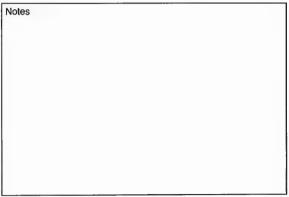




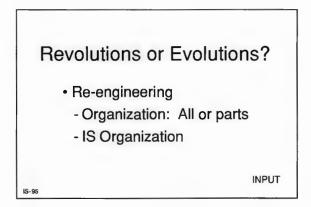








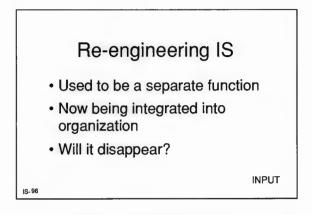
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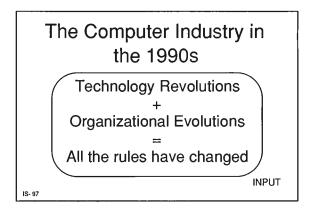


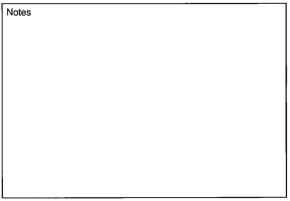
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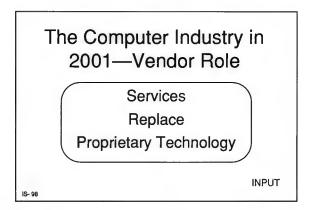
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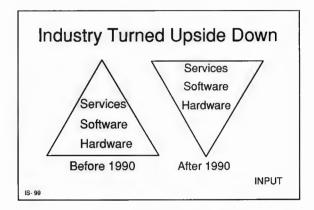


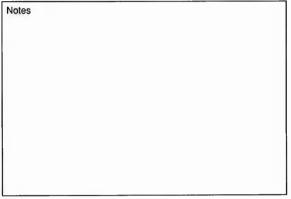
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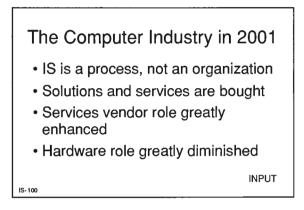
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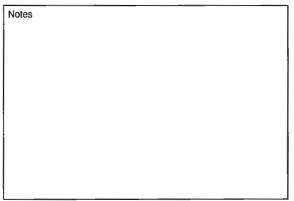
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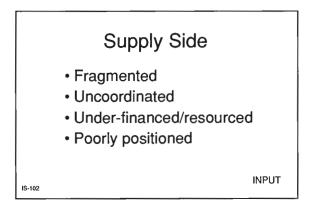
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