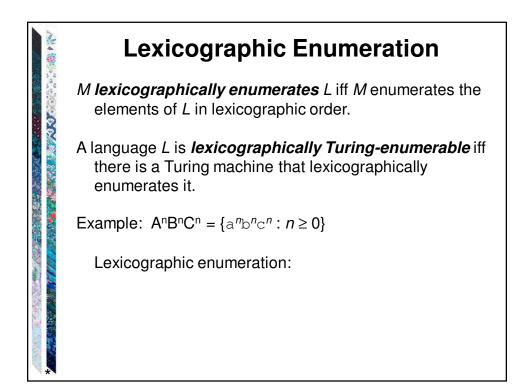
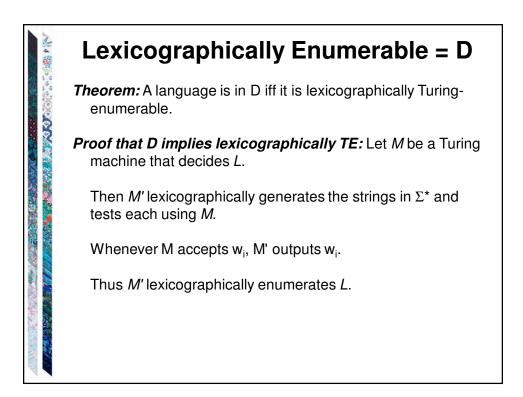
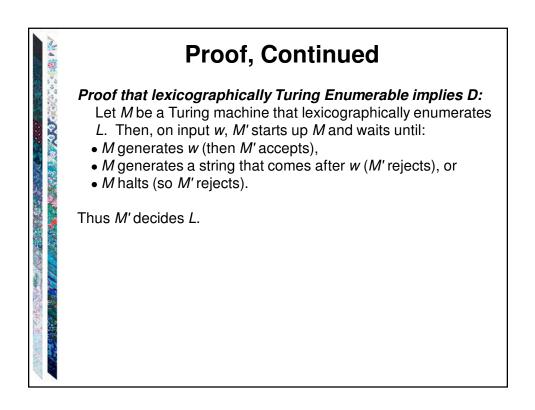
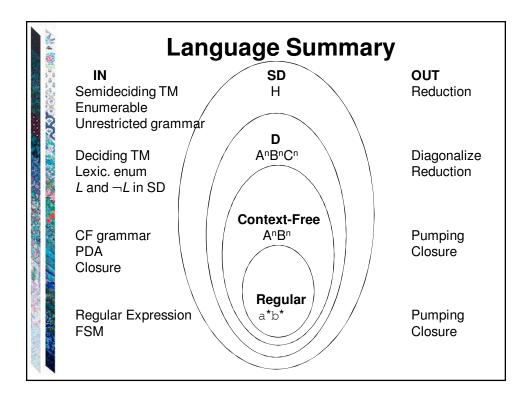


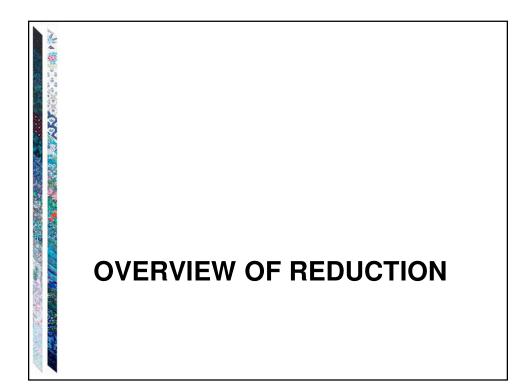
	Soluti	on: "Do	ovetail''	the cor	nputati	ons			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
	A procedure to enumerate all elements of <i>L</i> : 1. Enumerate all $w \in \Sigma^*$ lexicographically. 2. As each string $w_i$ is enumerated: 1. Start up a copy of <i>M</i> (call it M <sub>i</sub> )with $w_i$ as its input. 2. Execute one step of each $M_j$ (j < i), excluding those $M_j$ that have previously halted. 3. Whenever an $M_i$ accepts, output $w_i$ .								

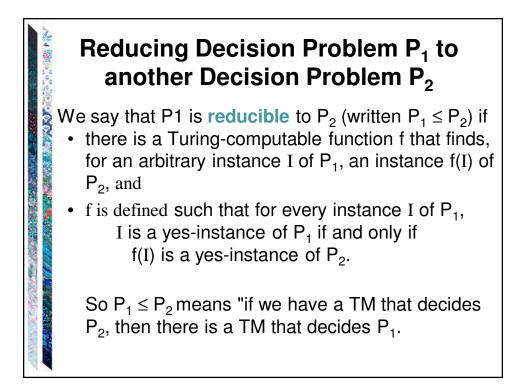


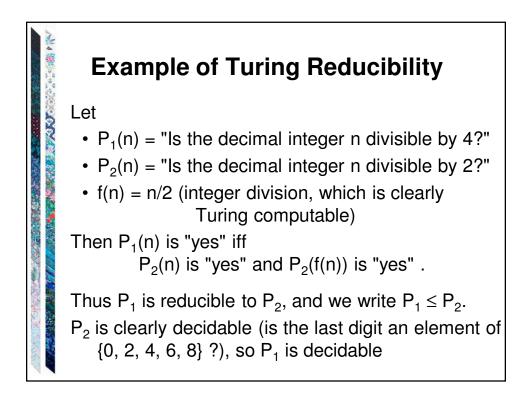


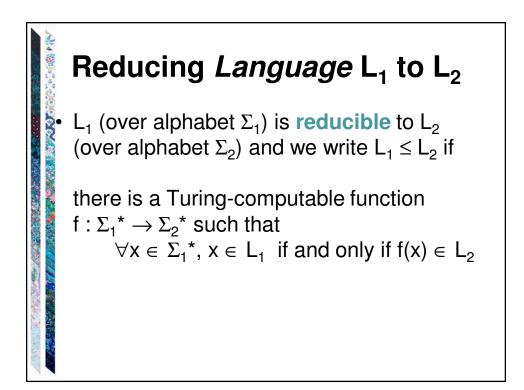


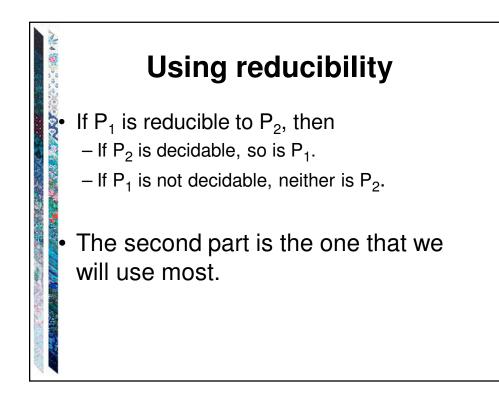


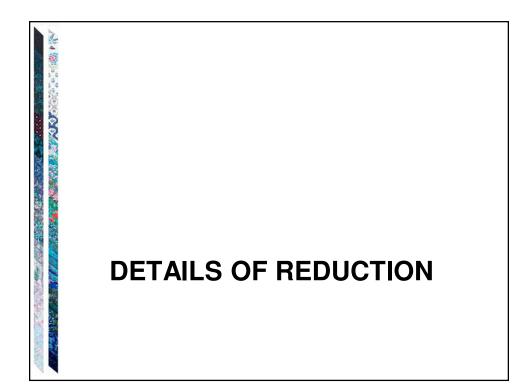


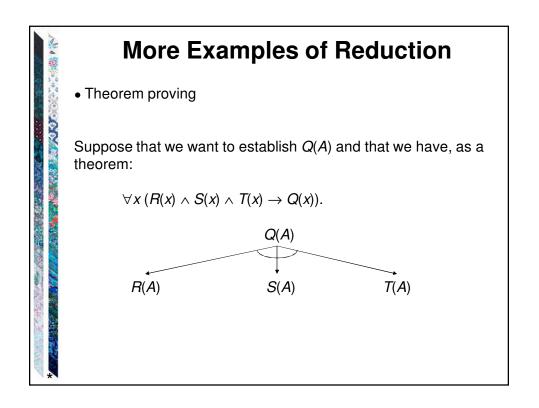


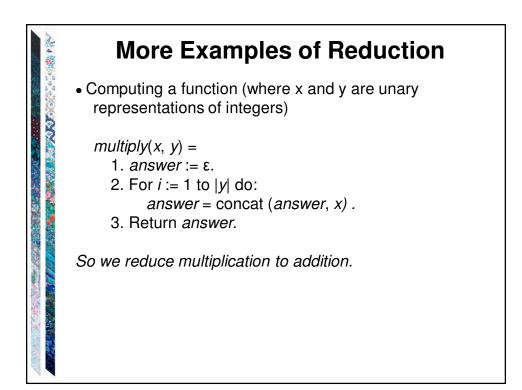


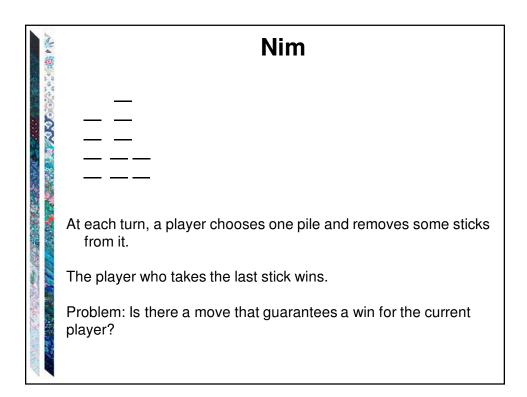












ALA	Nim						
0.000 a "	<ul> <li>Obvious approach: search the space of possible moves.</li> </ul>						
	<ul> <li>Reduction to an XOR computation</li> <li>problem:</li> </ul>						
		100 101 <u>010</u> 011	1 <u>1</u> 0	10 <u>01</u> 11			
	<ul> <li>XOR them together:</li> <li>0<sup>+</sup> means state is losing for current player</li> <li>otherwise current player can win by making a move that makes the XOR 0.</li> </ul>						

