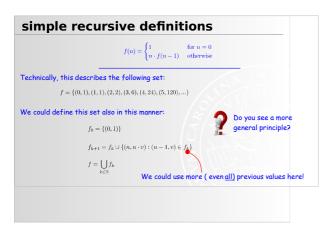
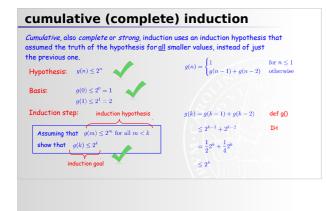


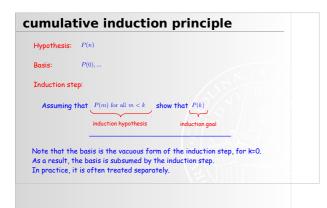
efining large (inf	
nember these from the first lectu	re?
recursive definition	(we will discuss this have)*)
enumeration w/ suspension points/	'ellipsis
$\{1, 2, 3, 4, 5,\}$	

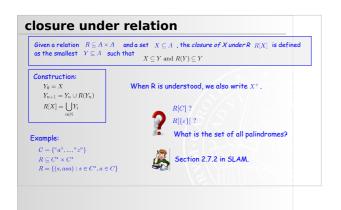


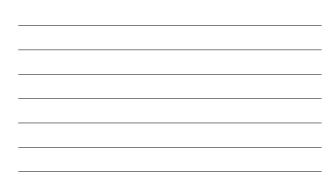


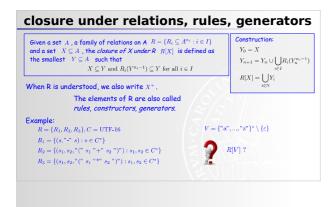


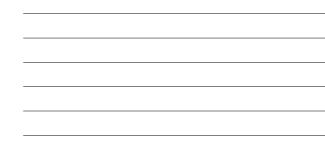








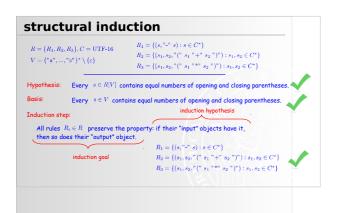


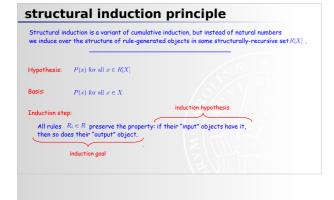


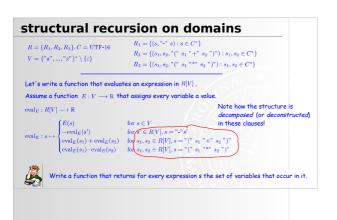


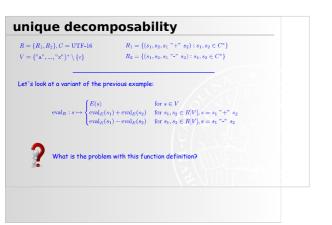
Syntax of statements in C Statements in C are defined using extended BNF as follow: <stmt>::=:

Statements in c. are been to using extended ther as lowows. Statements in c. are been to using extended there as lowows. (sturn-lists) [(sturn-lists) [(sturn-lists)] [public adversed class layerD {... public adversed layerD factureSD(); public adverset layerD factureSD(); public class Bild> : Listerb (... public corrected listerb flattersO() (roturn new BildO();) public class Constd> : Listerb (... A heady Listerb tall; public corrected listerD flattersO() (Consclint(SD) files (ConstList(SD)) (abject) this; return Bischad AppendThist tall (RittersO());)





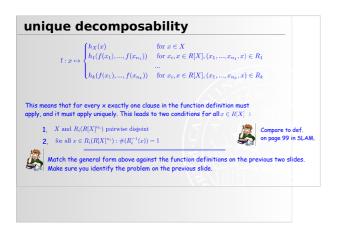


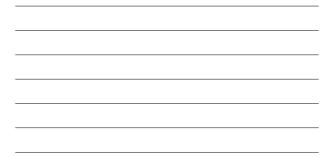


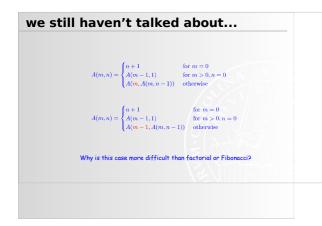


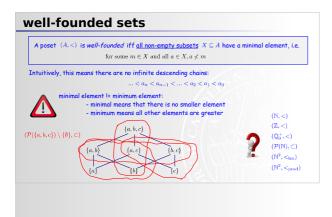
unique d	ecomposa	bility
Suppose we have gene	erators $R=\{R_1,,R_k\}$	with $R_k \subseteq A^{n_k+1}$, and basis $X \subseteq A$.
The <u>general form</u>	of a recursive function	$f:R[X]\longrightarrow V$ is
$f:x\mapsto$	$\begin{cases} h_X(x) \\ h_1(f(x_1),,f(x_{n_1})) \\ h_k(f(x_1),,f(x_{n_k})) \end{cases}$	$\begin{array}{l} \text{for } x \in X \\ \text{for } x_i, x \in R[X], (x_1,,x_{n_1},x) \in R_1 \\ \\ \cdots \\ \text{for } x_i, x \in R[X], (x_1,,x_{n_k},x) \in R_k \end{array}$
It is only well-de	fined if all $x \in R[X]$ ar	e uniquely decomposable.



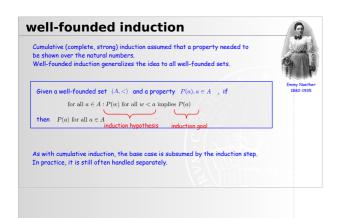


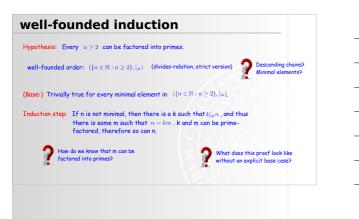


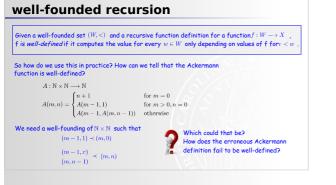












$\label{eq:constraint} \begin{split} & \operatorname{ction} f: W \longrightarrow X , \\ & \operatorname{values} \operatorname{of} f \operatorname{for} v < w \ , \end{split}$	
1 * 5	
e? neous Ackermann	
e well-defined?	