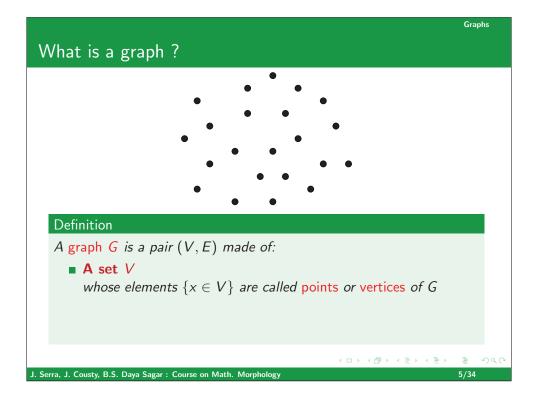
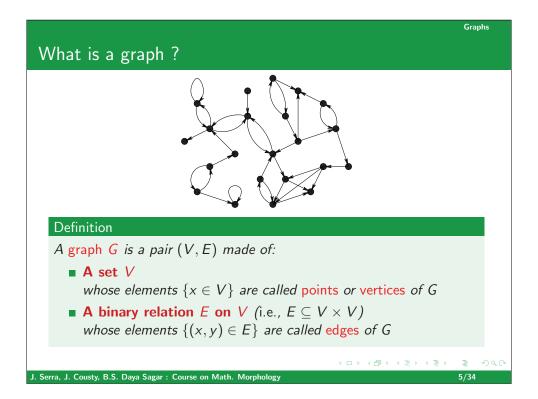
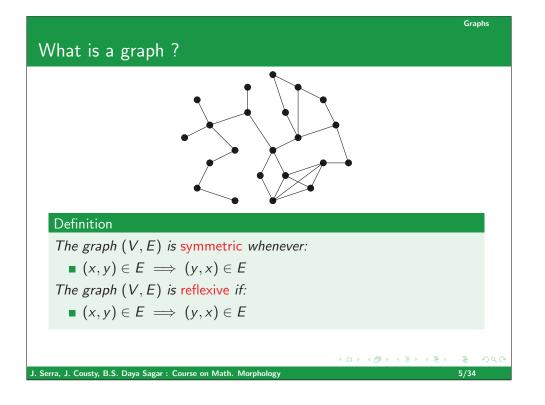
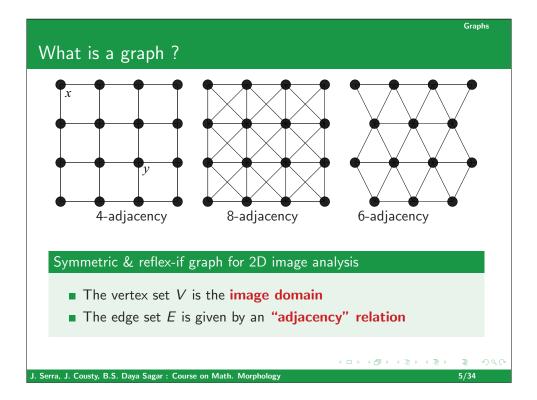


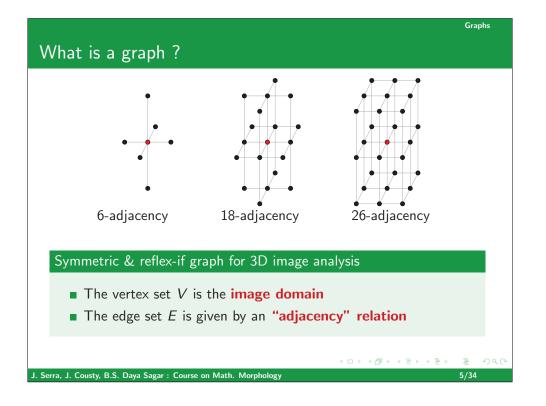
		Graphs
What is a graph ?		
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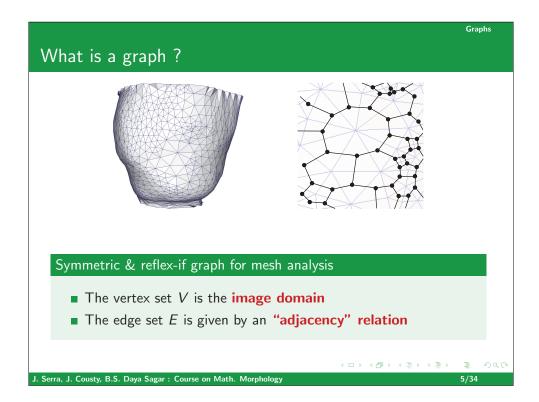


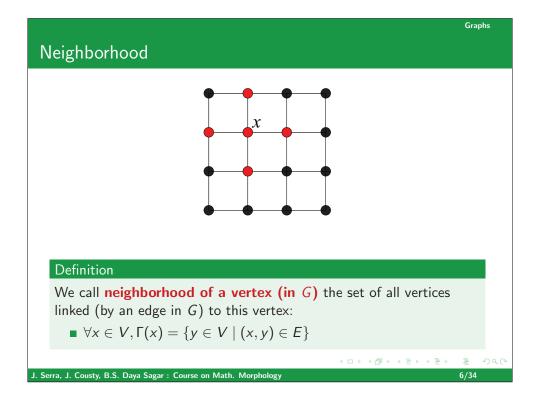


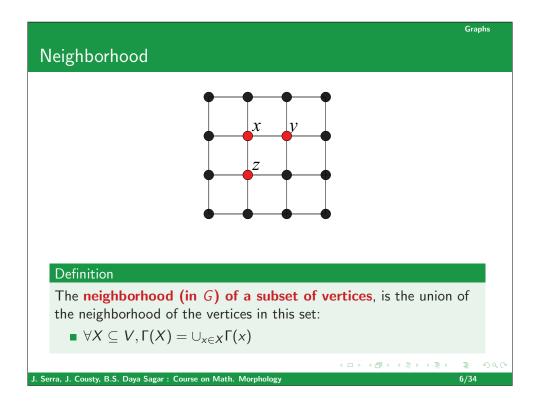


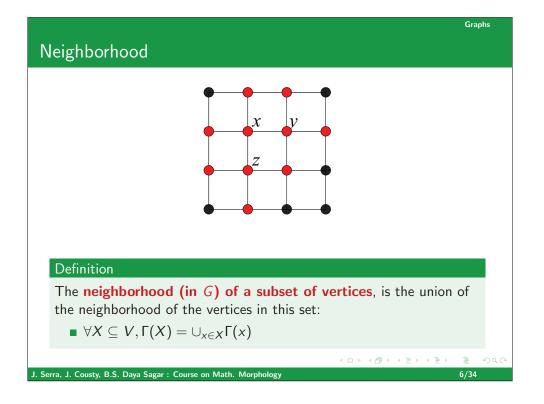


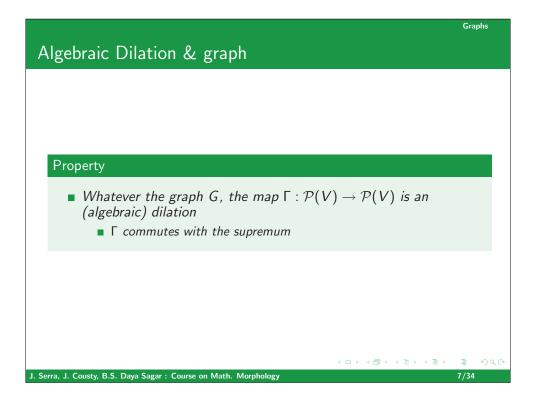




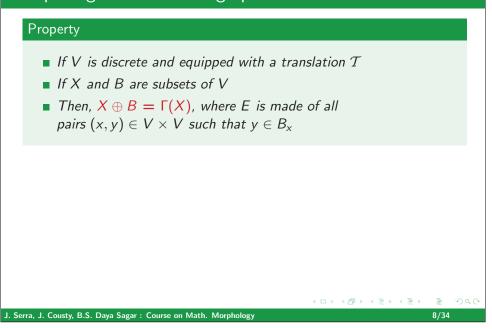




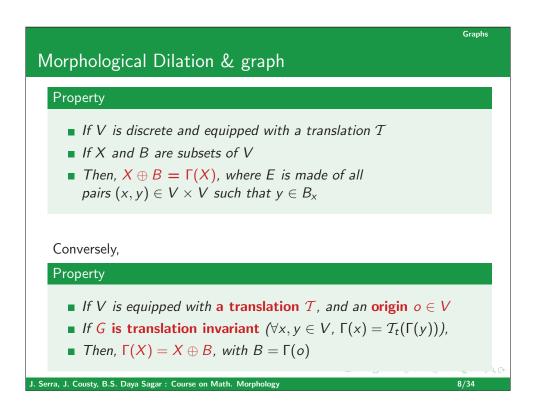


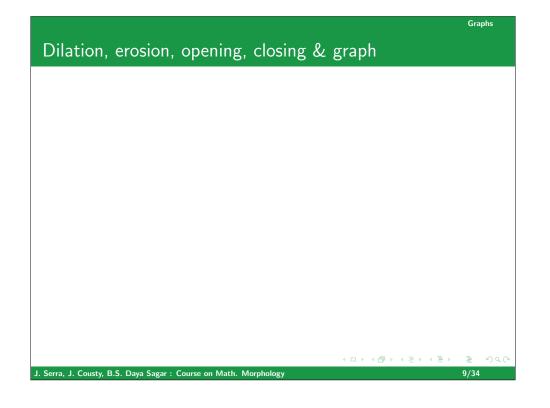


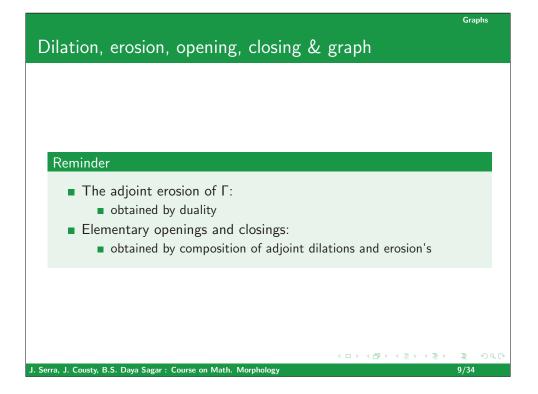
Morphological Dilation & graph

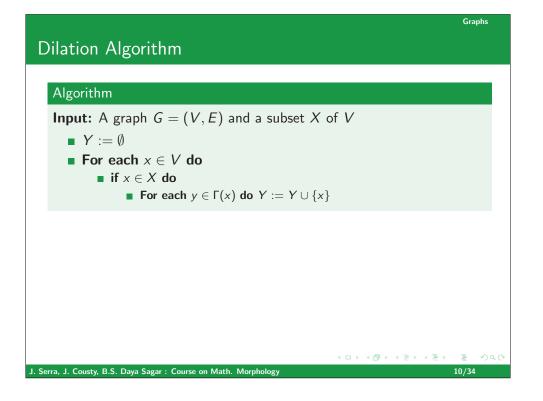


Graphs

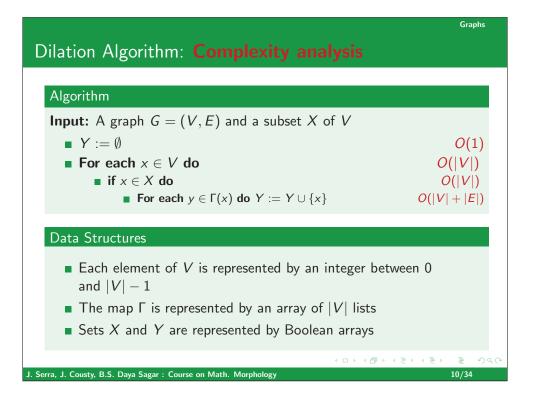


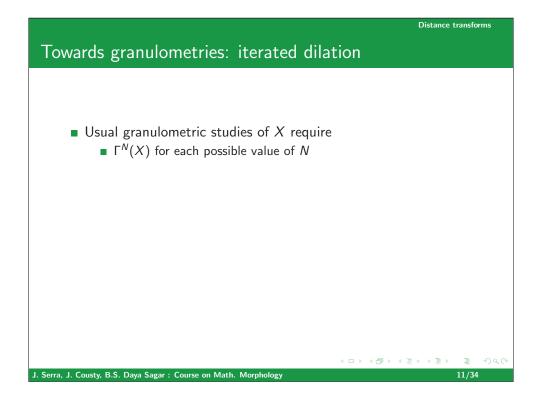


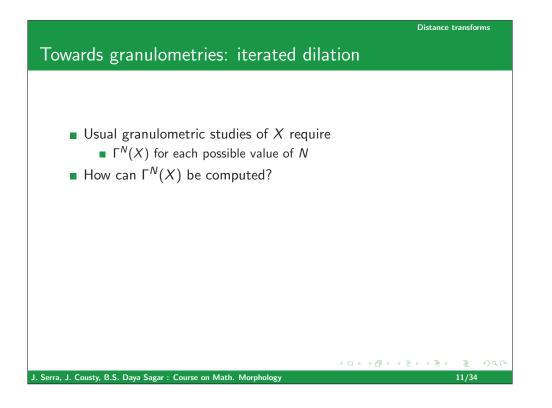


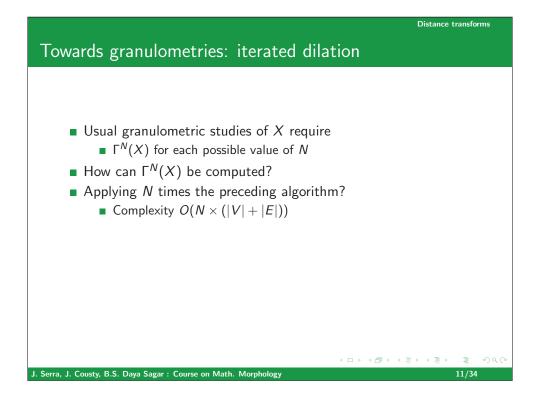


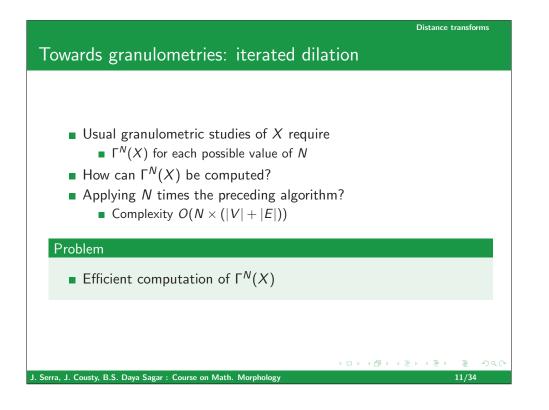
Dilation Algorithm	Graphs
Algorithm	
Input: A graph $G = (V, E)$ and a subset X of V	
• $Y := \emptyset$	
For each $x \in V$ do	
• if $x \in X$ do	
For each $y \in \Gamma(x)$ do $Y := Y \cup \{x\}$	
Data Structures	
 Each element of V is represented by an integer between 0 and $V - 1$ 	
• The map Γ is represented by an array of $ V $ lists	
■ Sets X and Y are represented by Boolean arrays	
(□) (2) (2) (2)	E 990
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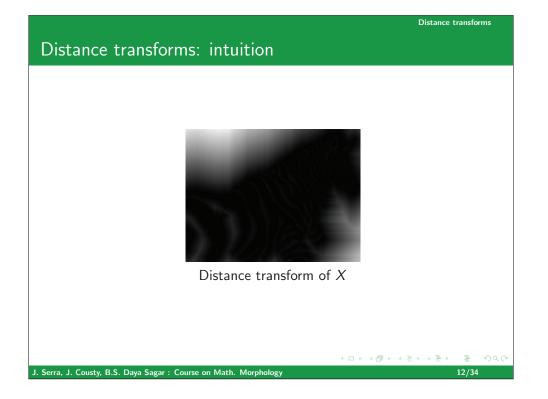


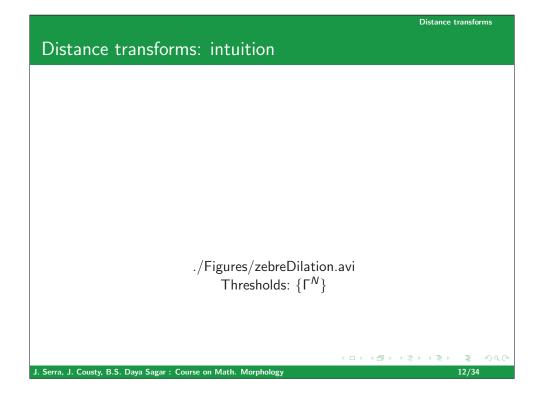


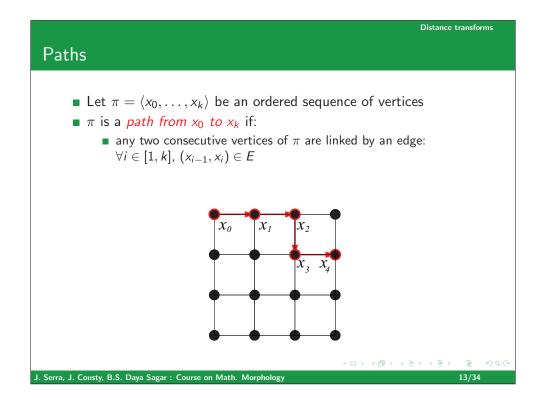


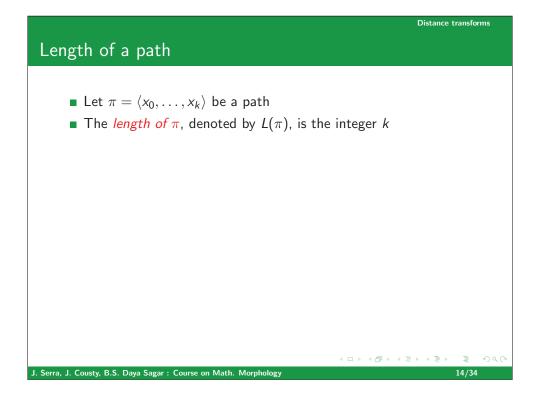


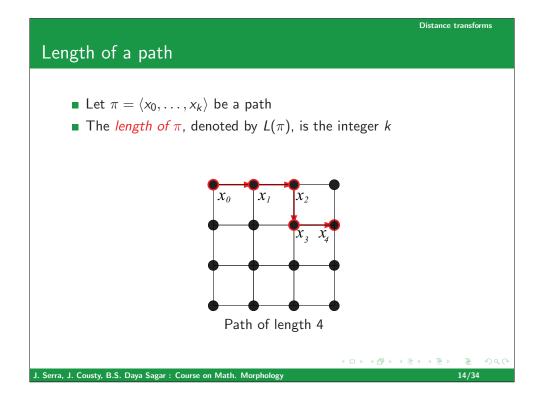


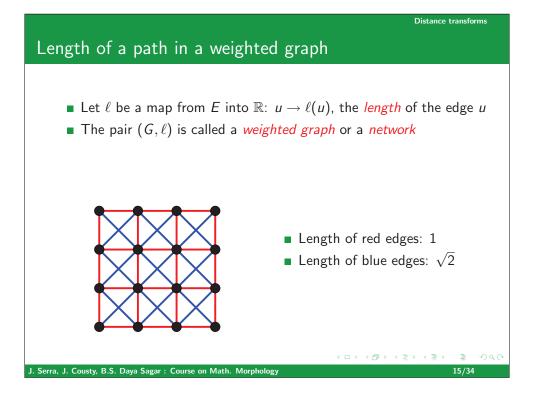


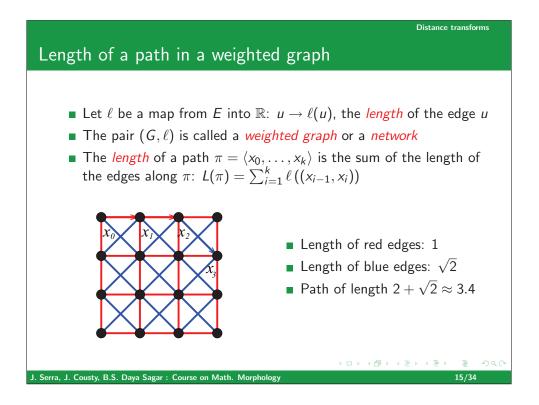


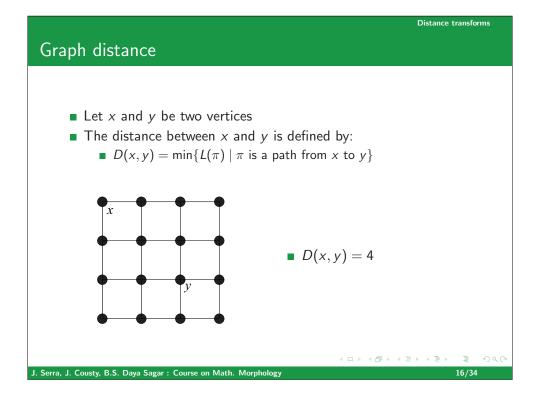


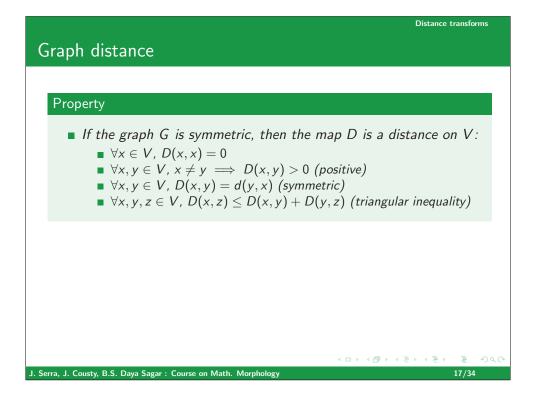


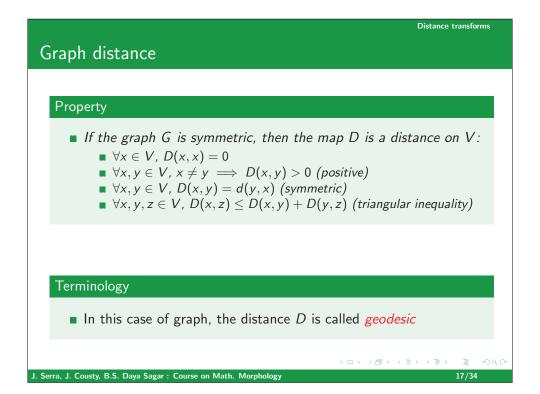


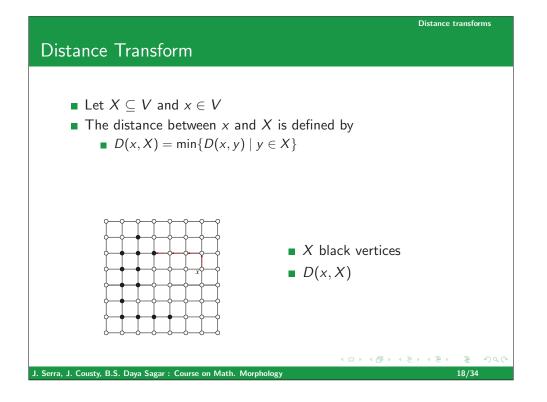


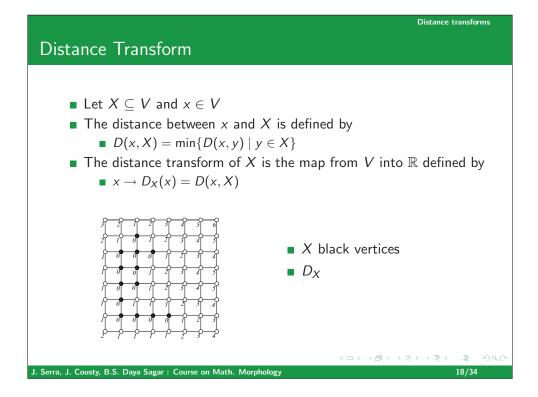


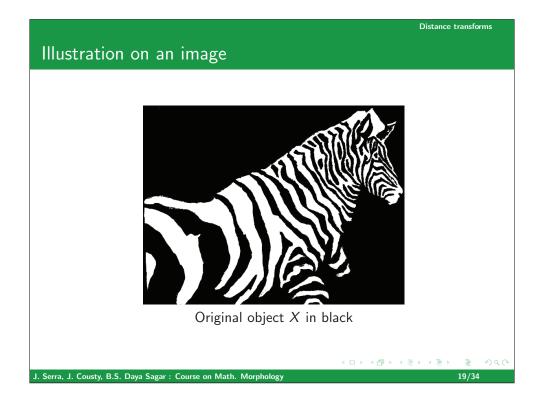


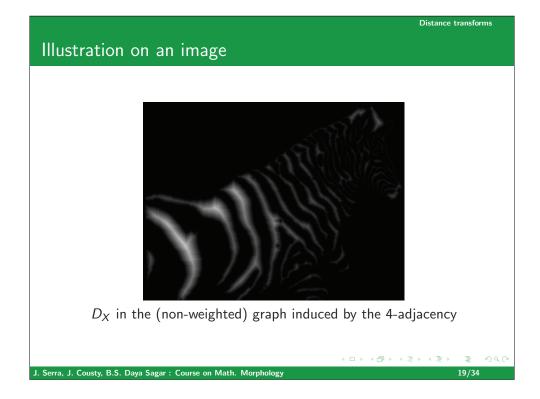


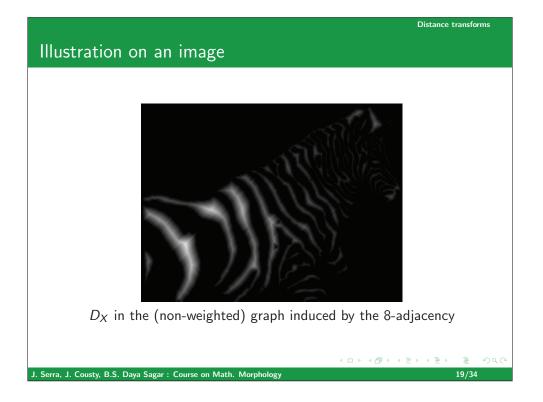


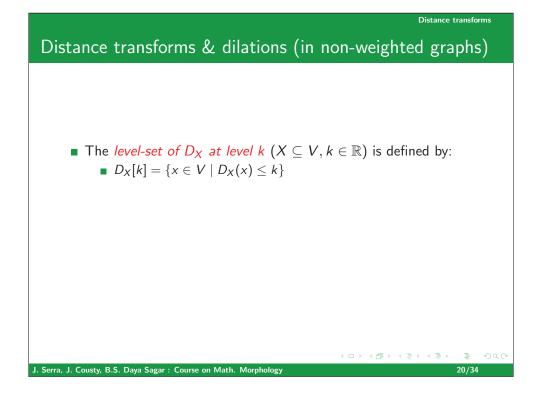


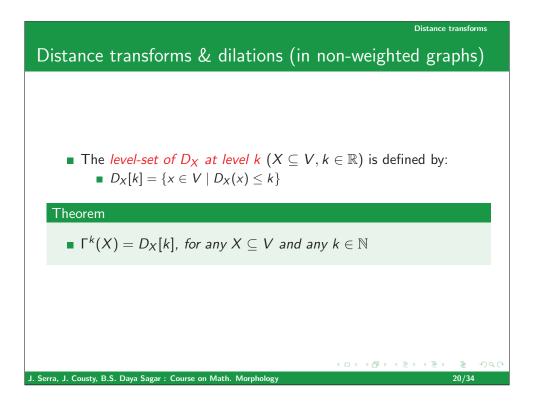


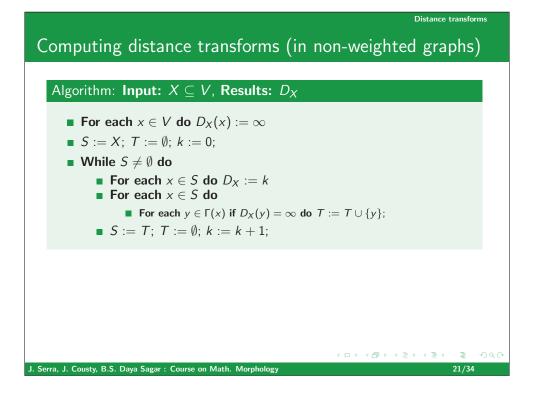


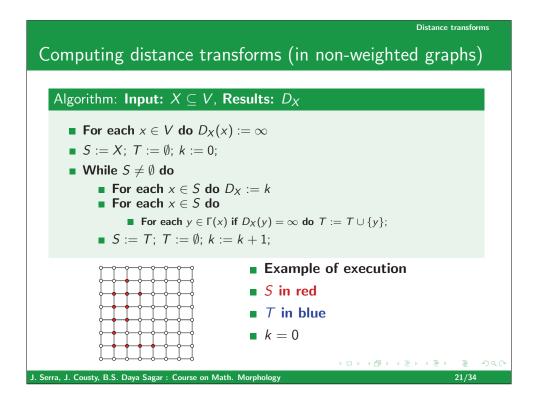


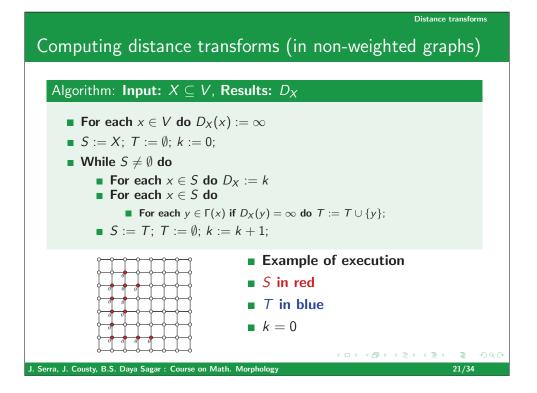


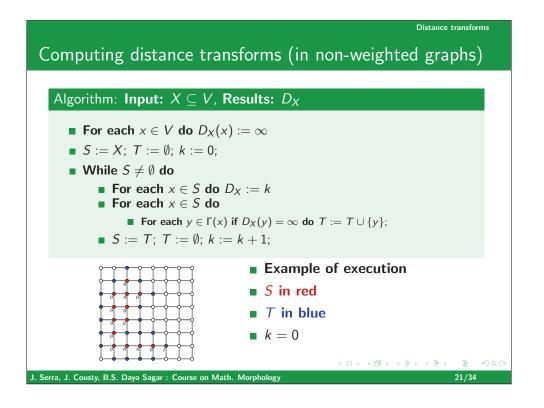


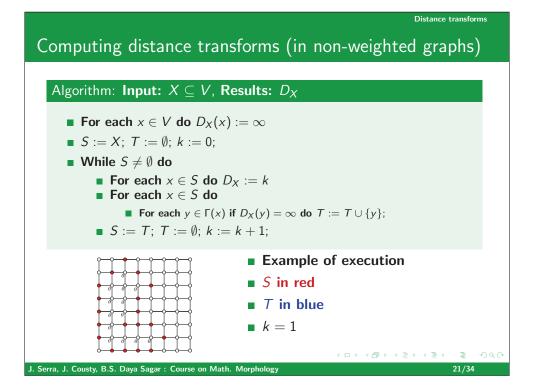


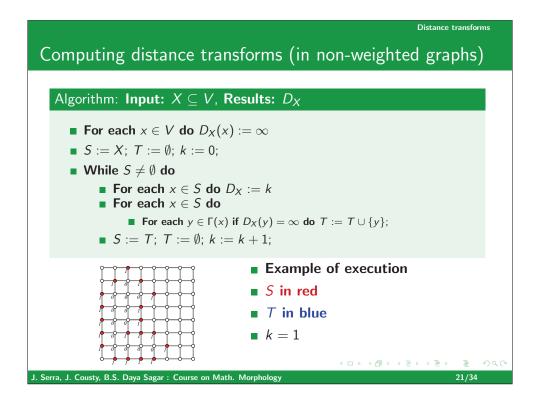


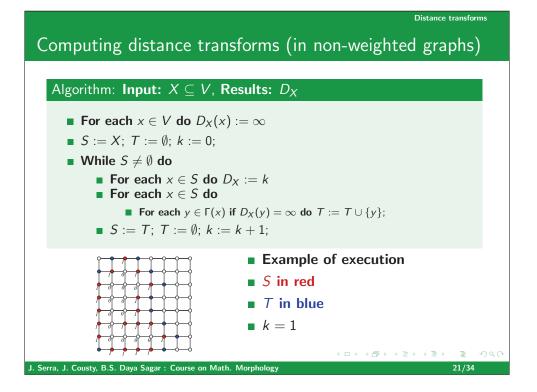


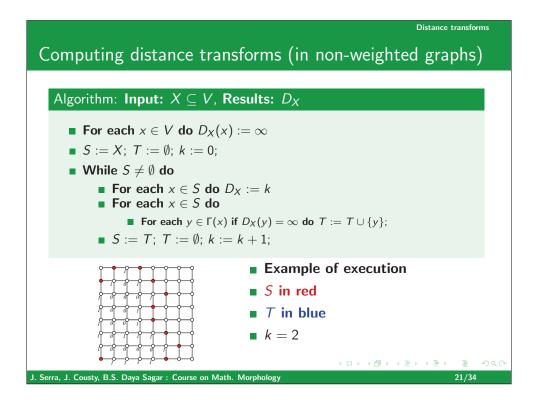


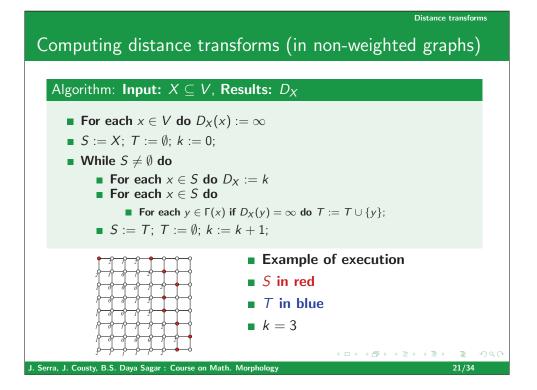


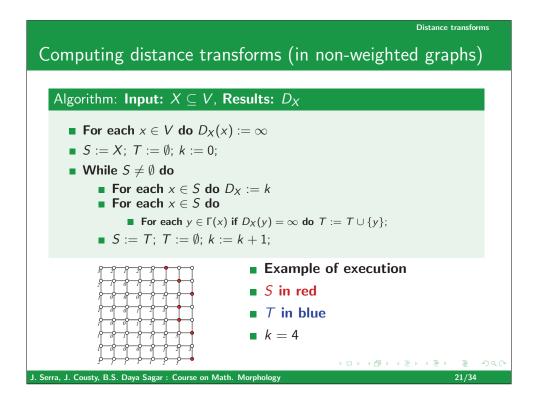


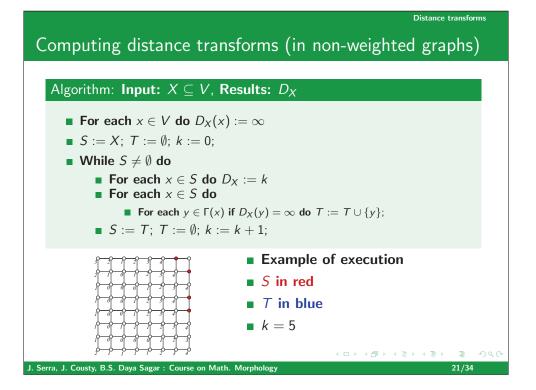


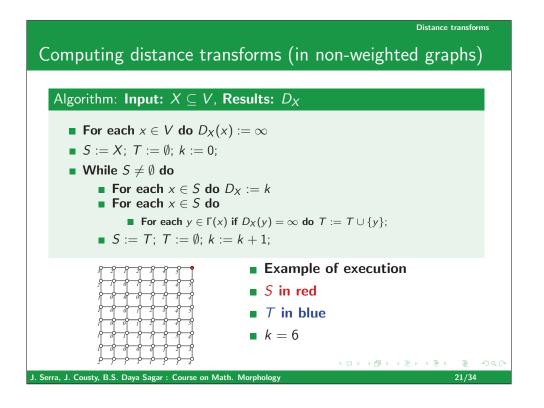


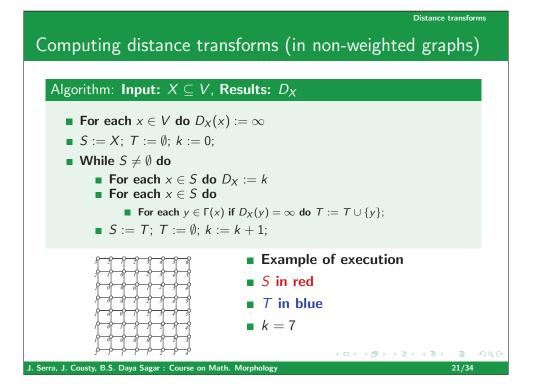


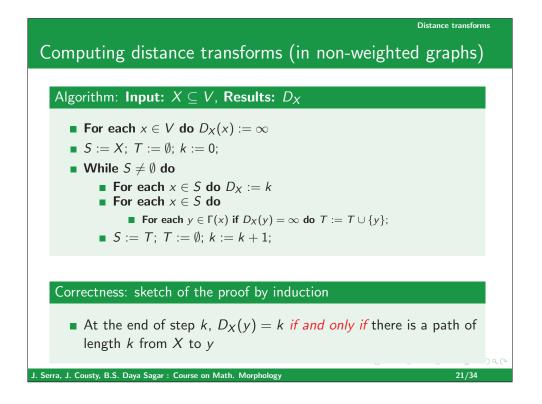


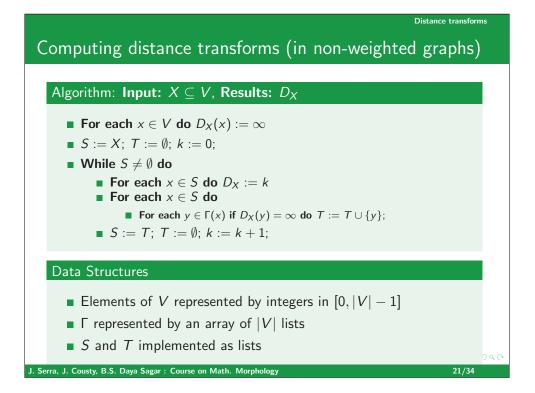


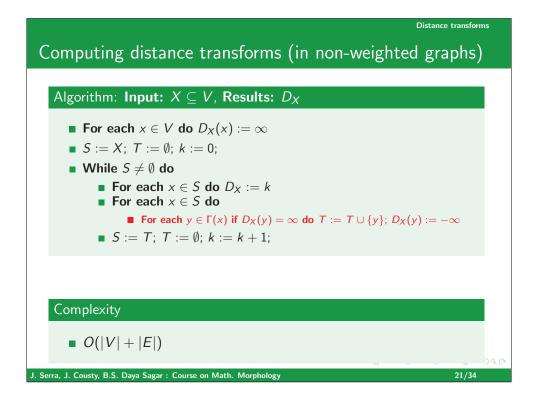


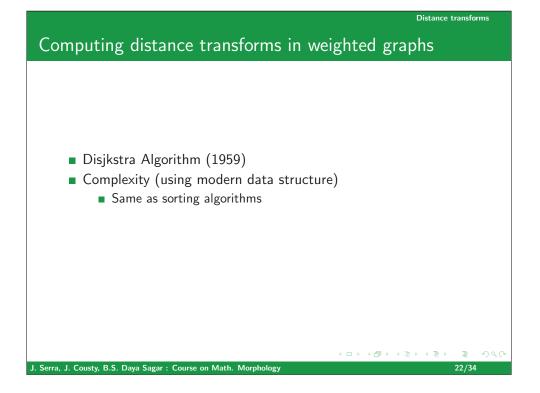


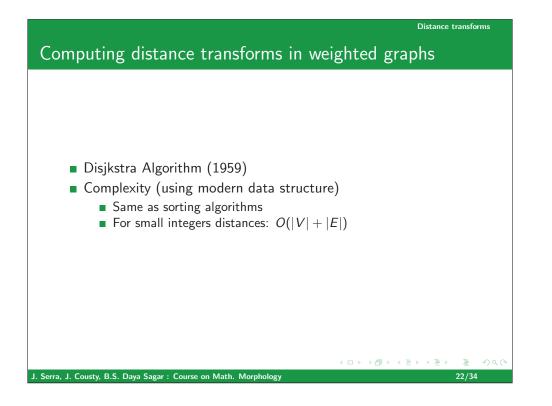


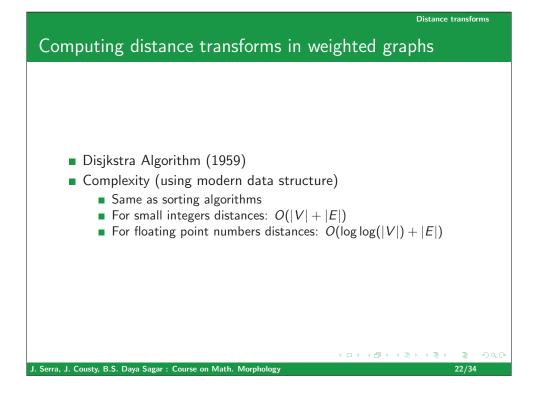


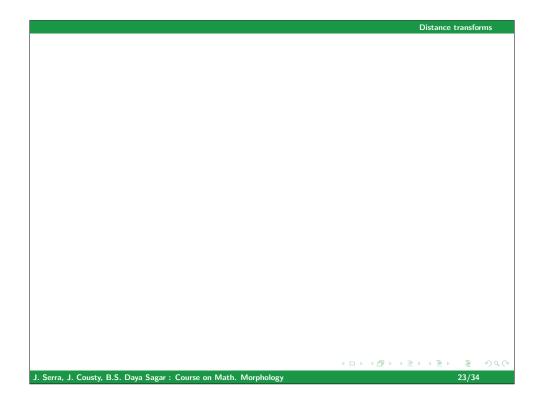




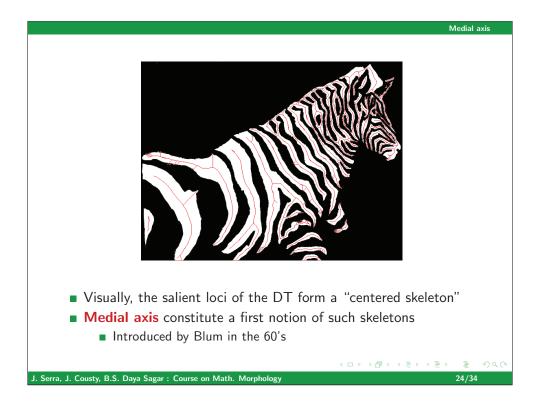




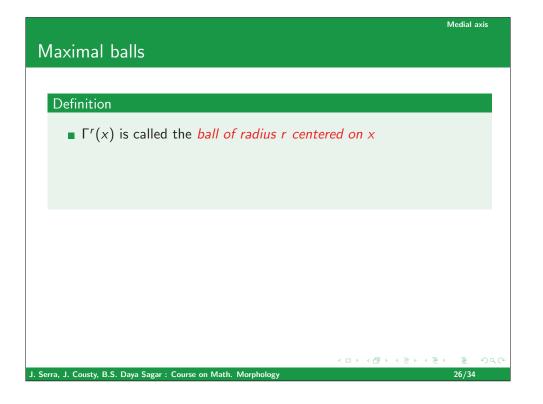


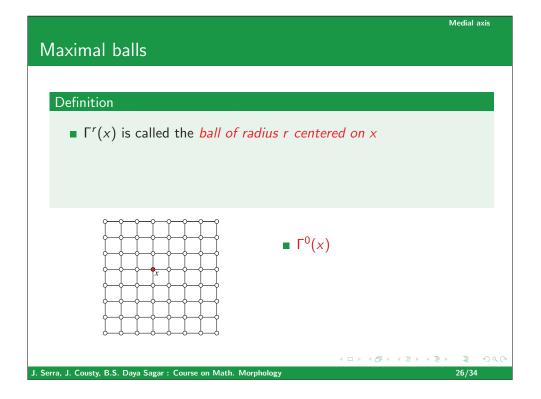


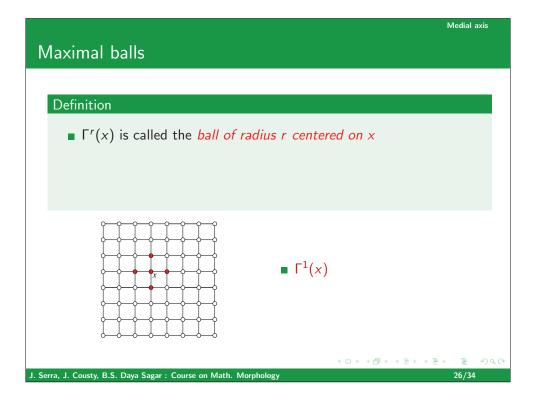


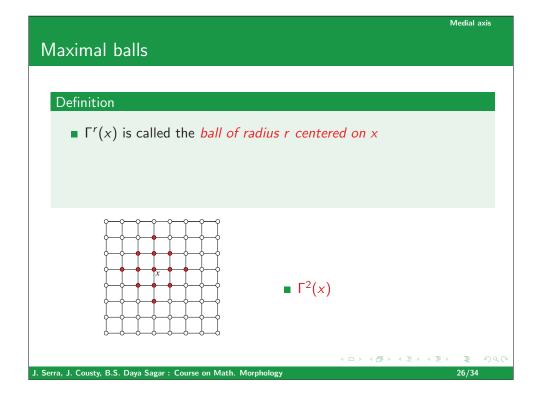


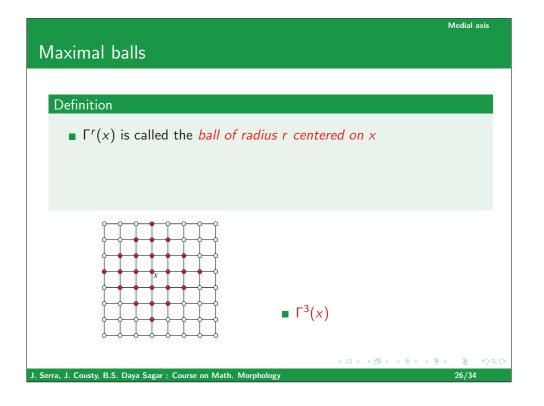


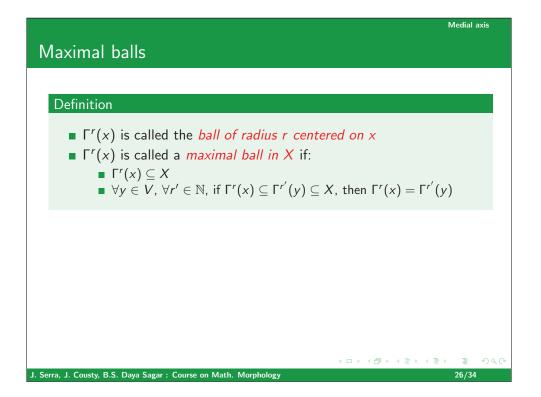


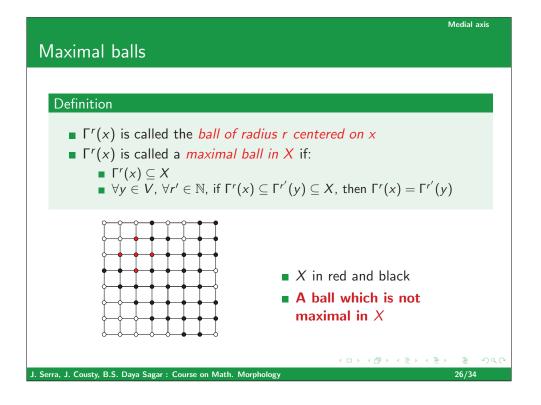


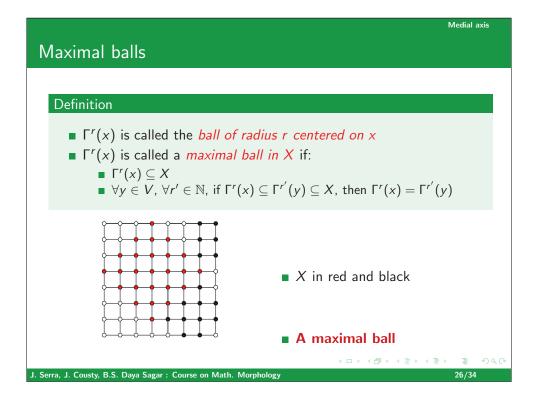


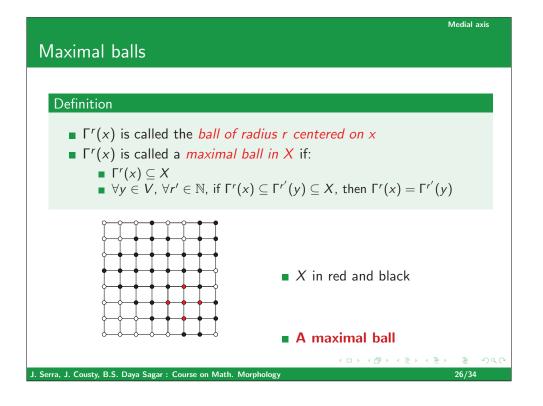












	Medial axis
Medial Axis	
Definition	
 The medial axis of X is the set of centers of maximal base of MA(X) = {x ∈ X ∃r ∈ N, Γ^r(x) is a maximal ball in X 	
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