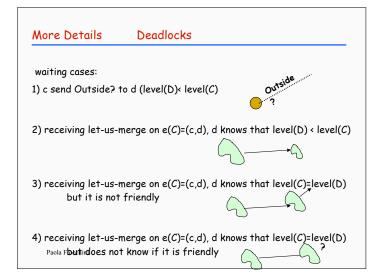
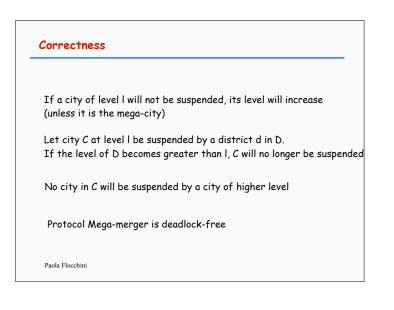


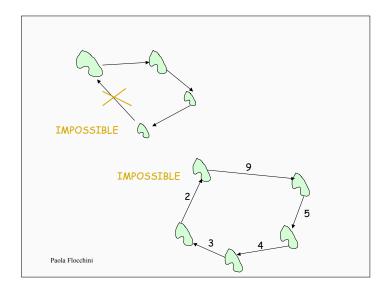
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More Details	Discovering a friendly merger
	level(A) = level(B) and e(A) = e(B
To decide, b needs	to know e(A) and e(B)
	How does b know e(B)?
e(B) is chosen by	D(B), which will send the request through b
When	n receiving the request, b will know
So,	
If e(A) =e(B), b will	eventually know
If e(A) ≠ e(B), b is r	not the exit point, it will never know what e(B) is.
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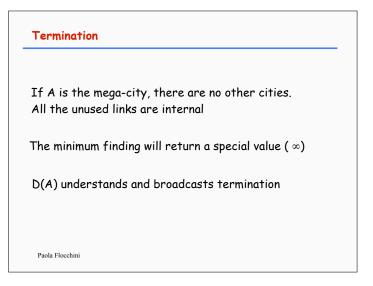
More Details	Discovering a friendly merger
	e(A) = e(B) and $e(A) = e(B)$
Receiving a let-us-	merge:
If b has alread	dy received a let-us-merge from D(B) to be sent to a
bot	h b and a will know that this is a friendly merger
Otherwise	
b wo	aits
or its	tually, either it will know that it is a friendly merger s level will be increased (because of ests from B to other cities)
	evel(B) will become greater than level(A).







Complexity	
Number of messages per level: CITY A	
For each friendly merger from level i-	1 to level i
Computation of merge links:	2 (n(A)-1)
Forwarding of let-us-merge from D(A) to e(A)	: n(A)
Broadcast info about new city:	n(A)-1
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Complexity	
Number of messages per level : CITY C	
C absorbed at level i	
Computation of merge links:	2 (n(C)-1)
Forwarding of let-us-merge from D(C) to e(C):	n(<i>C</i>)
Broadcast info about new city:	n(<i>C</i>)
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