

# UK BEBRAS 2019

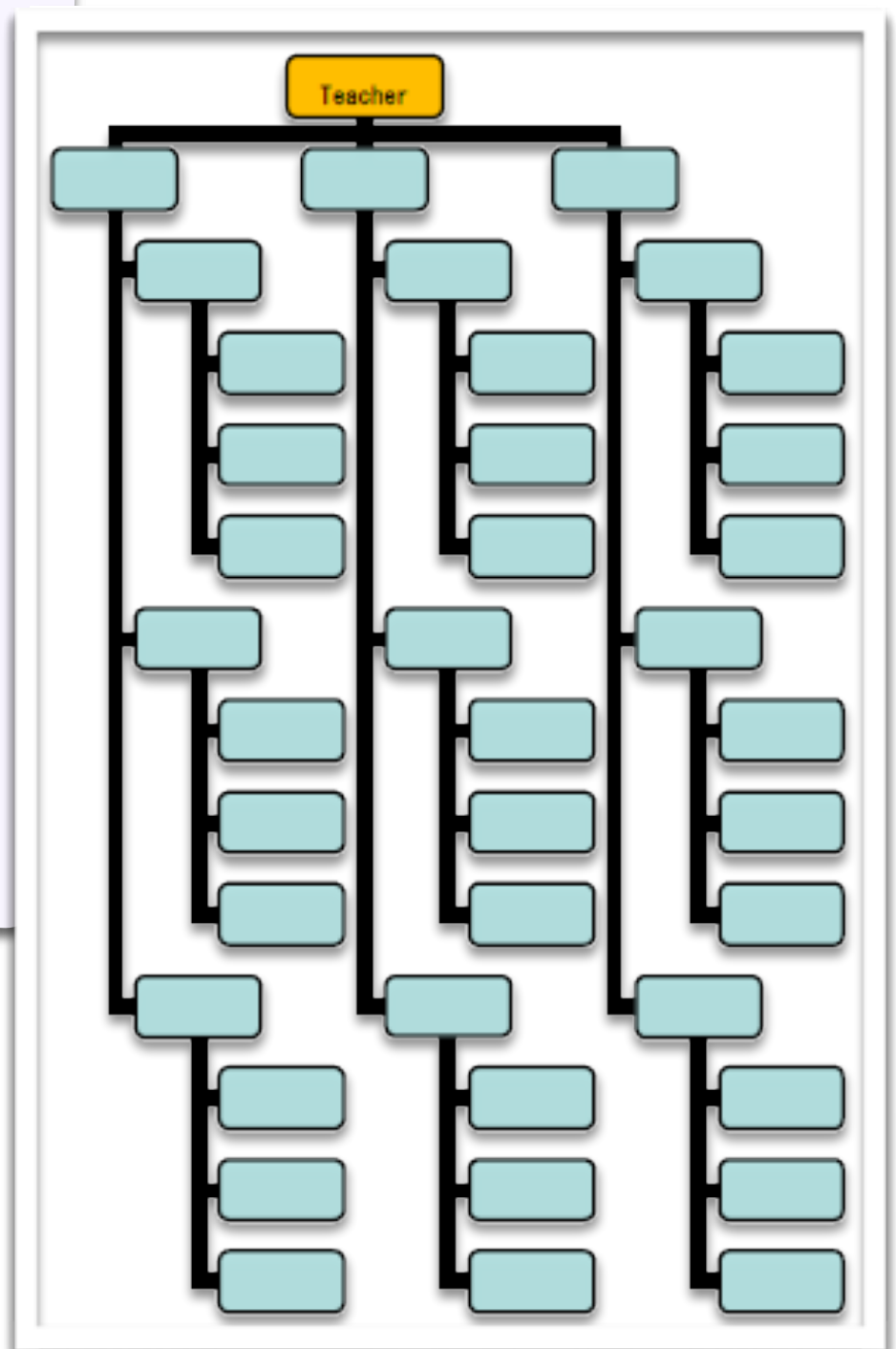
Computational Thinking Challenge

4<sup>TH</sup> - 15<sup>TH</sup> NOVEMBER



## Phone Messages

A class at Bebras High School has 39 students. The phone list shown here is used to pass messages from the teacher. Blue boxes correspond to students. Black lines connect each person with the people that they must phone. Each phone call lasts 3 minutes. Each person can only talk to a single person on the phone at a time. When the teacher starts the first phone call to announce a message, how many minutes go by until the message is completely delivered to all 39 students?



### Possible Answers:

- 18 minutes
- 27 minutes
- 39 minutes
- 117 minutes





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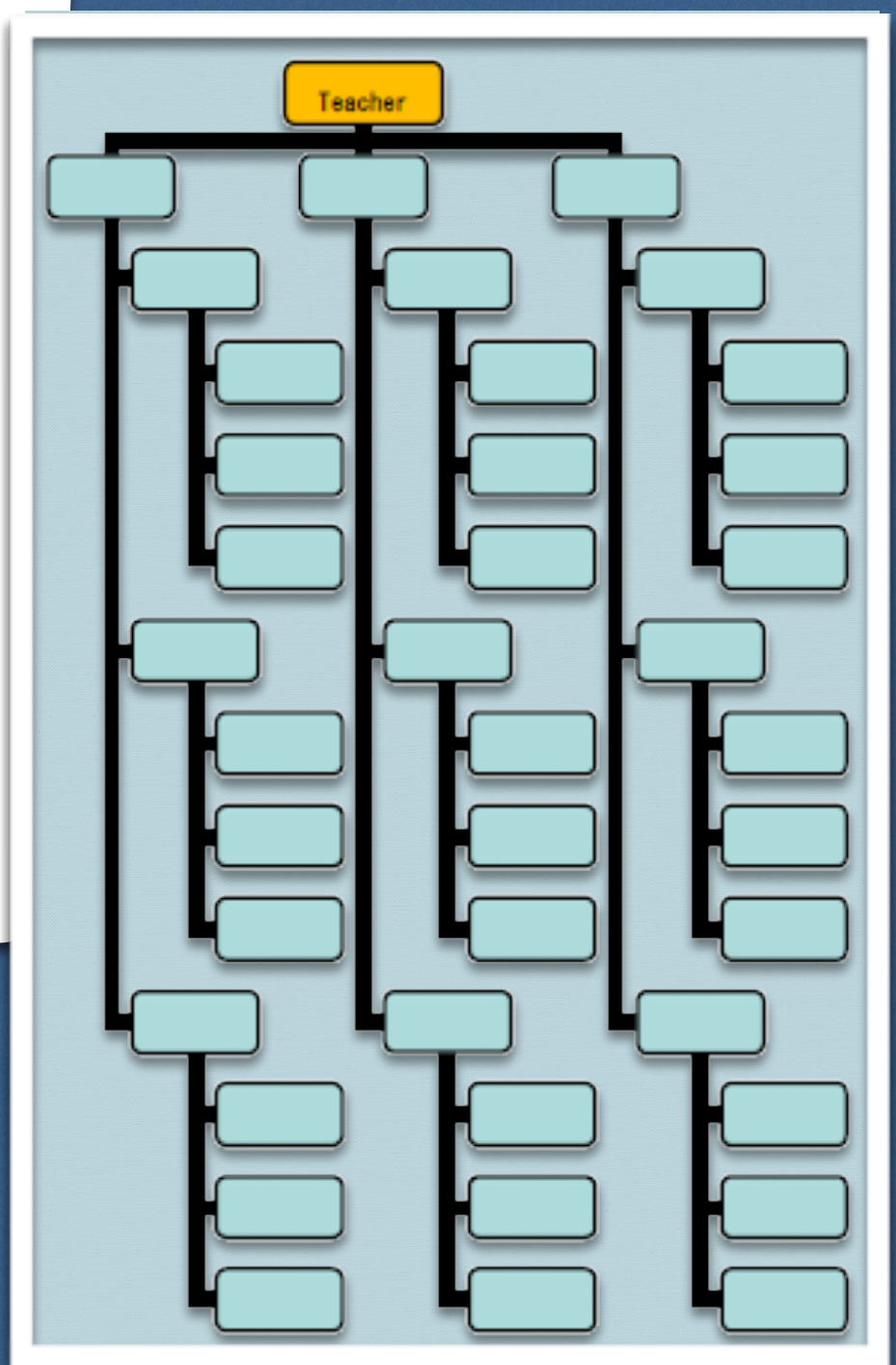
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UNIVERSITY OF  
OXFORD

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