

# MITx: The Learning Revolution

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# edX

- A not-for-profit online destination for learning from the world's great universities
- Founded by MIT and Harvard, supported by Berkeley, Caltech, Columbia, IIT Bombay, Tsinghua University, ETH Zurich – and more than 40 others
- OpenEdx is freeware platform created by edX
- Nearly 3 million enrollees from 195+ countries

# edX versus MITx

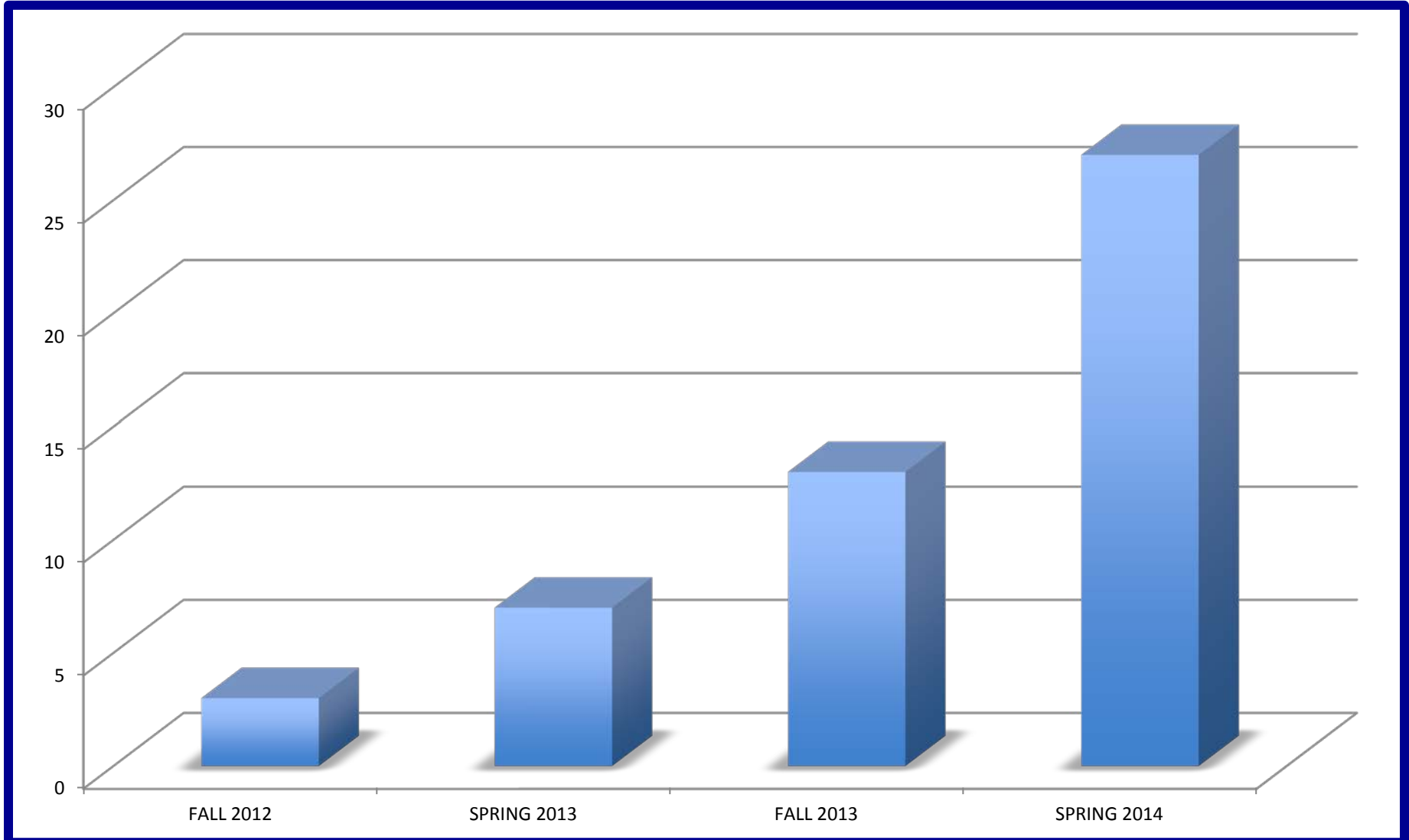


edX is the platform for a global audience



**MITx is the production house  
and the product**

# Internal adoption has been amazing



**WHY?**

**BECAUSE WE ARE CRACKING THE CODE  
ON LEARNING**

# SHORT LECTURES, INSTANT FEEDBACK, REPEATED PRACTICE

THIN SLICES, INSTANT FEEDBACK





PRACTICE


ERIC S. LANDER: Last time, we talked about how DNA goes to RNA goes to protein. We gave the simple story. DNA replicates transcription.

Week 1  
Administrivia and Circuit Elements  
Lecture Sequence  
Circuit Analysis Toolchest  
Lecture Sequence  
Week 1 Tutorials  
Homework 1  
Homework due September 16  
Lab 1  
Lab due September 16

This problem investigates how resistors combine. Consider the three resistor networks shown below:

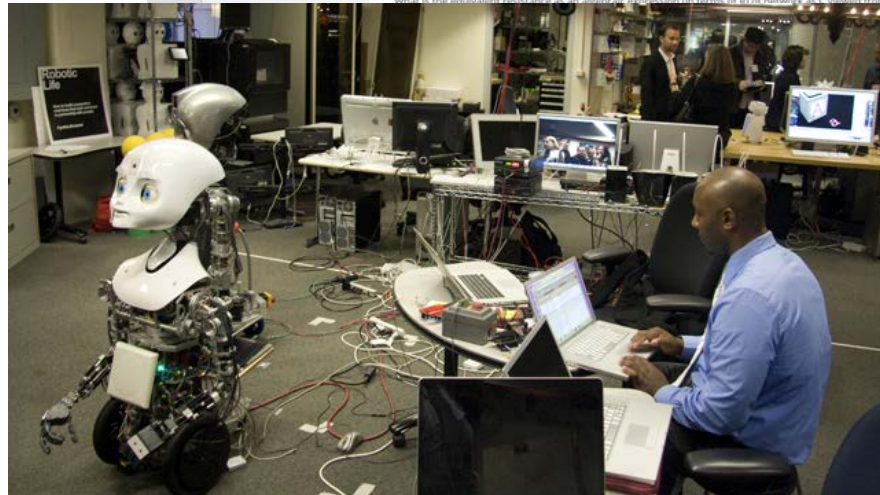
Network A: 

Network B: 

Network C: 

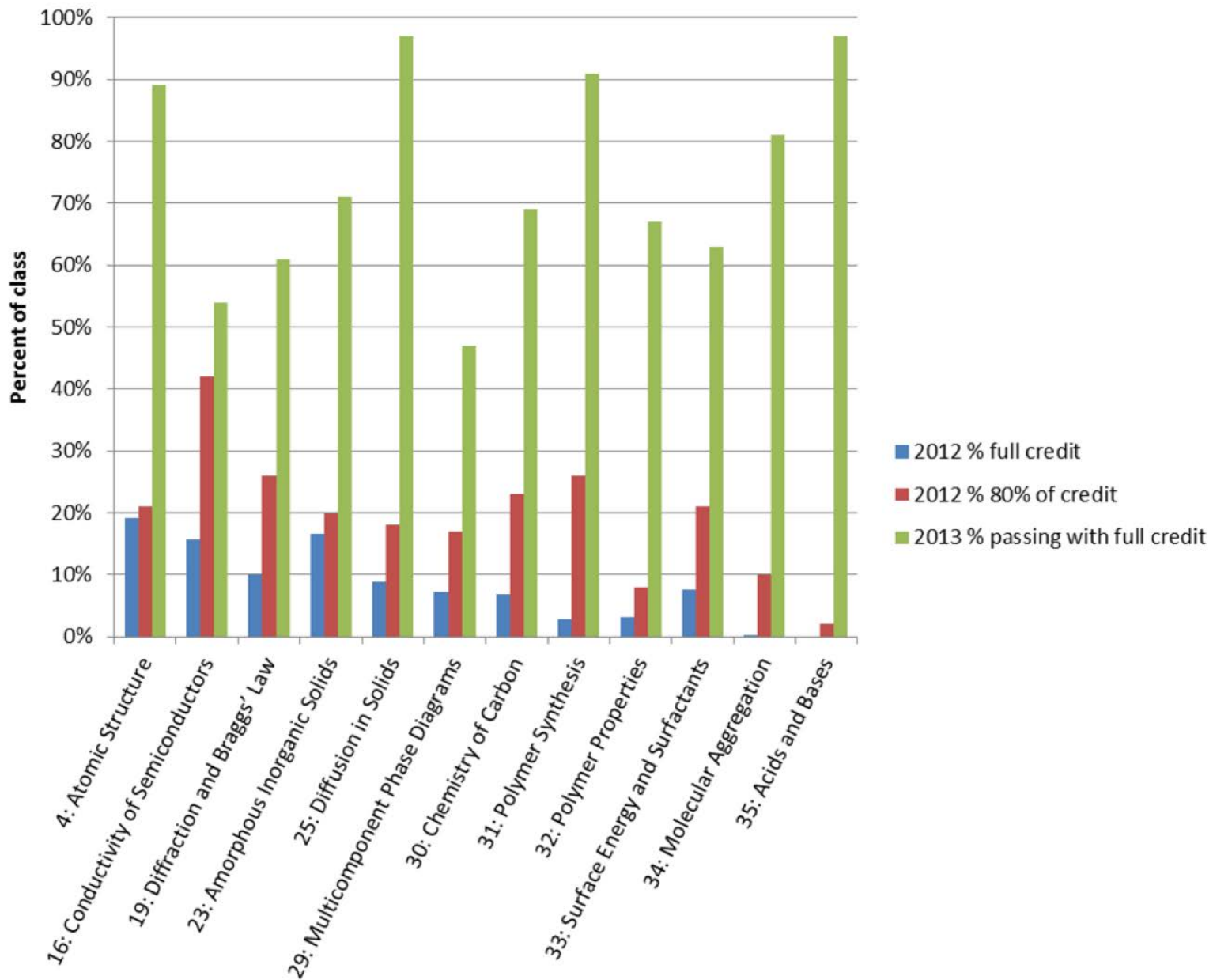
What is the equivalent resistance as an algebraic expression (in terms of R) of network A as viewed from its port?  
 =

What is the equivalent resistance as an algebraic expression (in terms of R) of network B as viewed from its port?  
 =

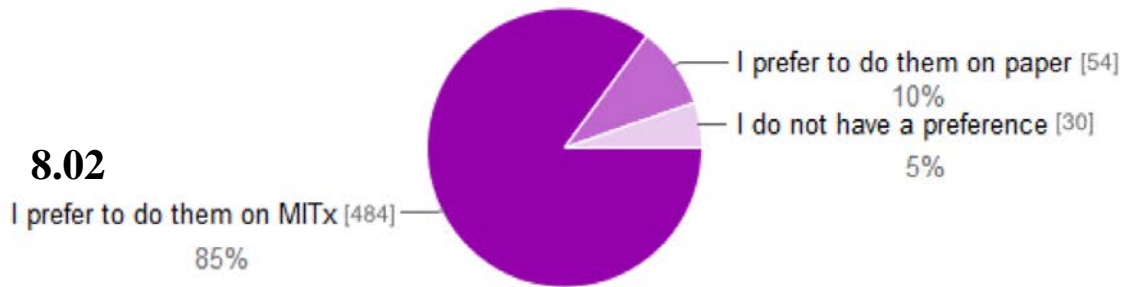


# Cracking the Code?

## Outcomes: 2012 versus 2013



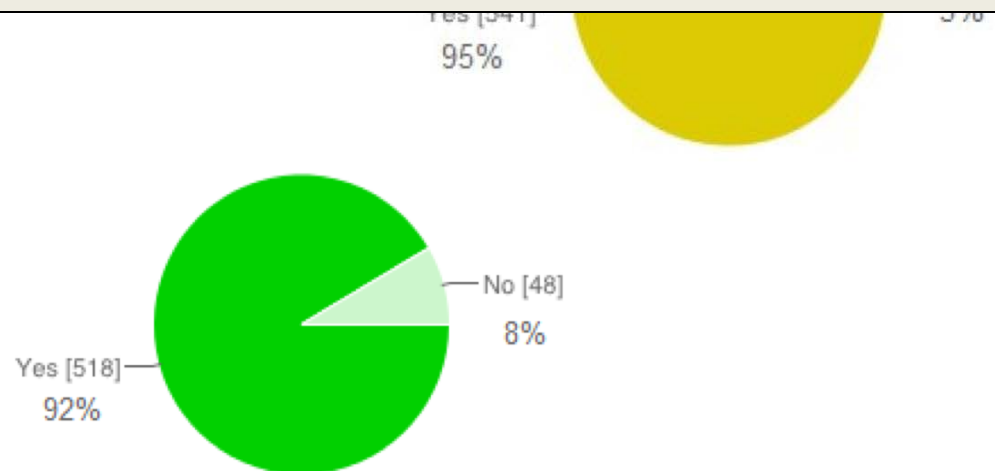
# Students are beginning to like it



***Student feedback: “Instant feedback = better study habits and I'm able to retain the right material right away”***

## ► ***Other Physics Courses***

*["Do you think that other physics courses could benefit from using MITx? (e.g. 8.01, 8.03)"]*





# Objects and Plan

OF AN

## INSTITUTE OF TECHNOLOGY;

INCLUDING

A SOCIETY OF ARTS, A MUSEUM OF ARTS, AND A  
SCHOOL OF INDUSTRIAL SCIENCE.

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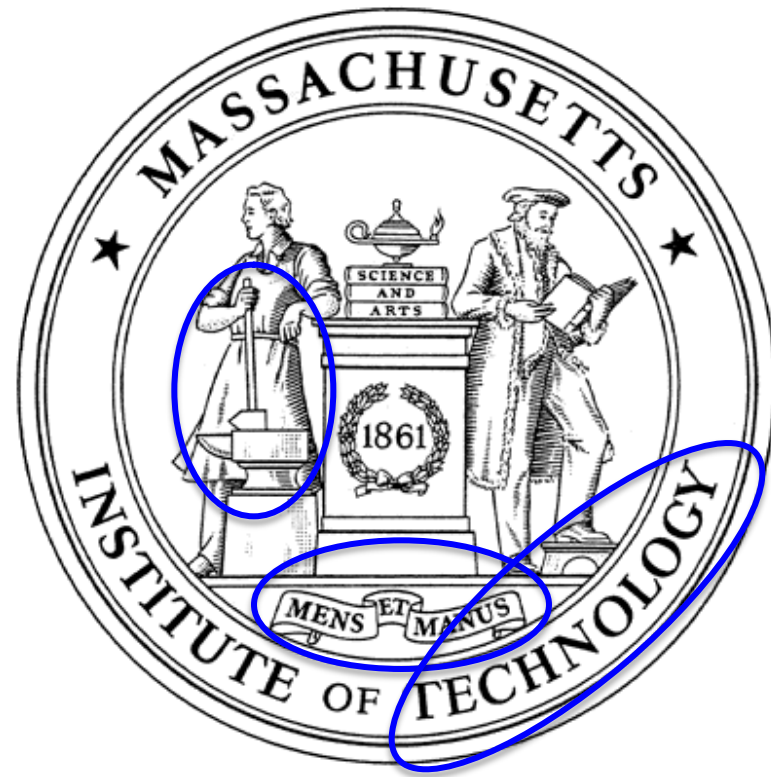
PROPOSED TO BE ESTABLISHED IN BOSTON.

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Prepared by Direction of the Committee of Associated Institutions of Science and Arts;

AND ADDRESSED TO

MANUFACTURERS, MERCHANTS, MECHANICS, AGRICULTURISTS, AND  
OTHER FRIENDS OF ENLIGHTENED INDUSTRY  
IN THE COMMONWEALTH.



...the interests of Commerce and the Arts, as well as of General Education, call for the most earnest co-operation of intelligent culture with industrial pursuits.