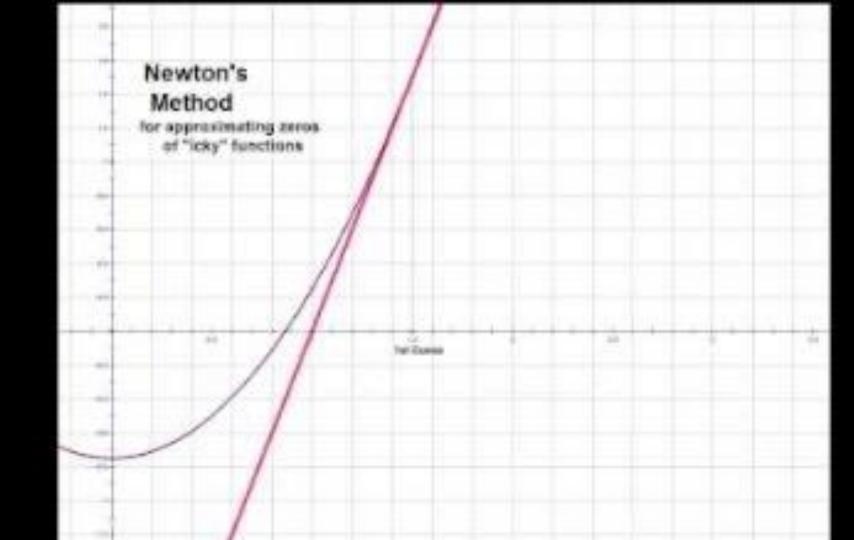
Topic V1D

Blackboard Architecture

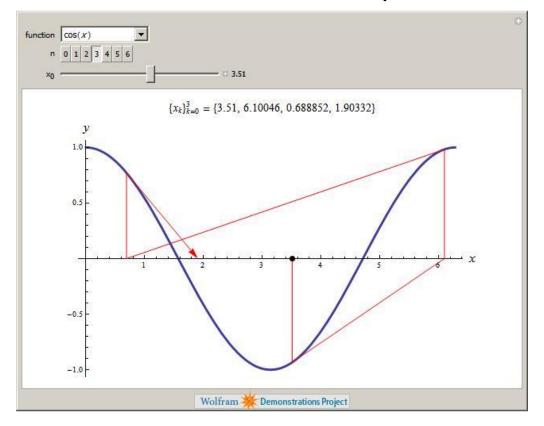
Readings pgs. 121-124 (Section 2.11)

Sample Problem:

find the minimum of a function



Blackboard Architecture (lock example)

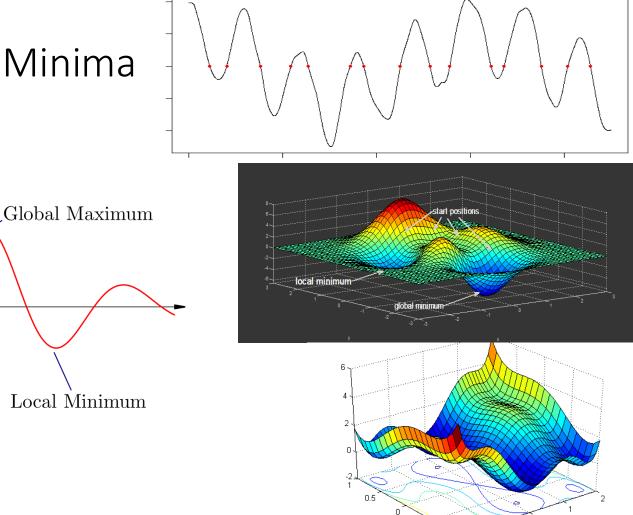


Newton Method

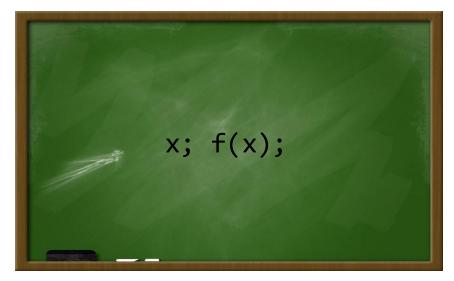
Multiple Local Minima

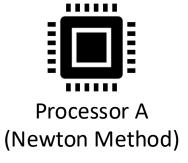
Local Maximum

Global Minimum



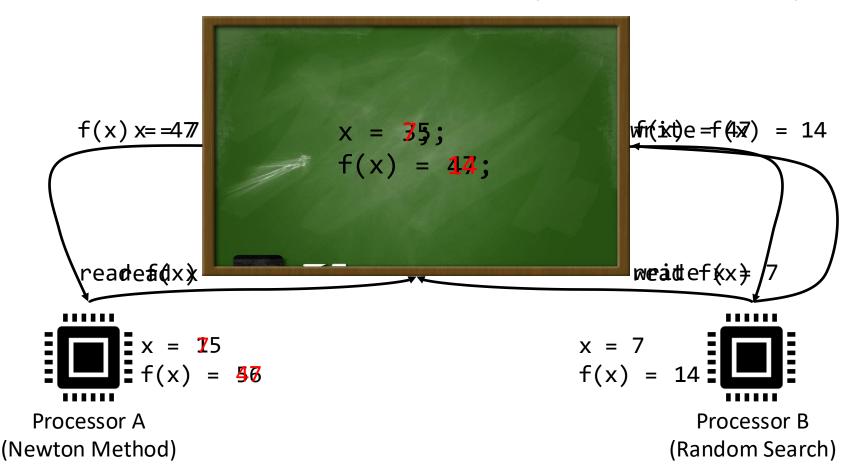
Blackboard Architecture



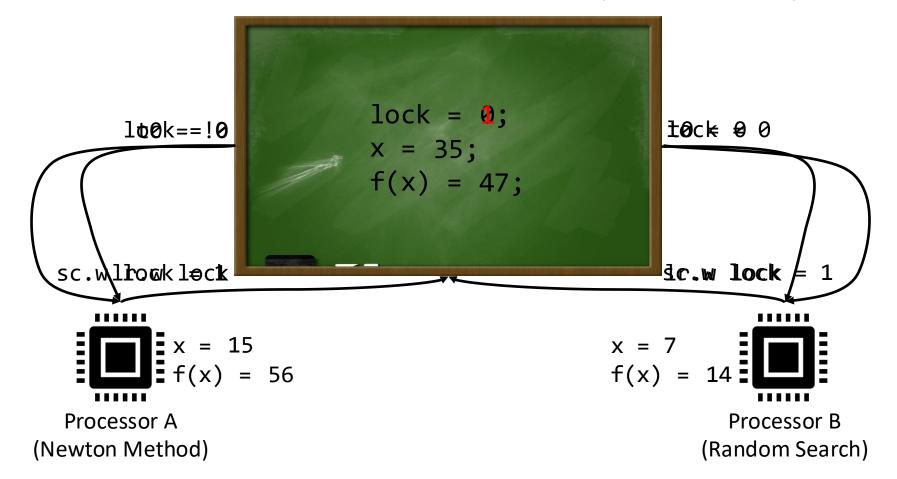




Blackboard Architecture (without lock)



Blackboard Architecture (with lock)



Related Terms

ritical Section

The shared resource

ace Condition

Trying to access resource at the same time

tarvation

One process fails to access resource for an extended amount of time

eadlock

No progress!