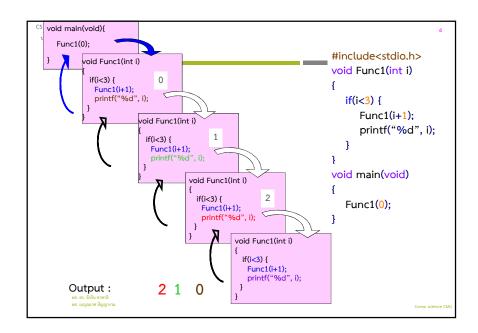
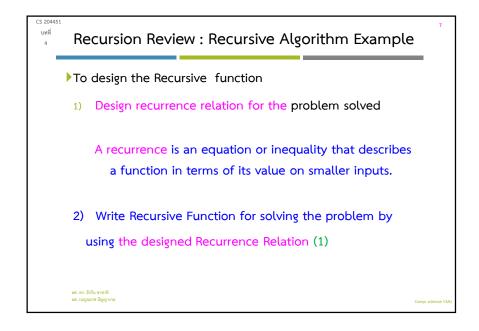
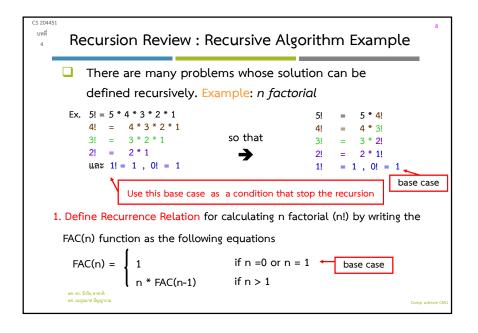
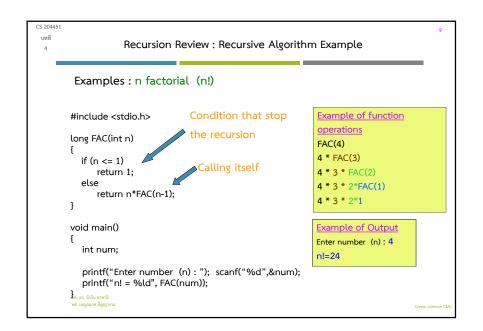


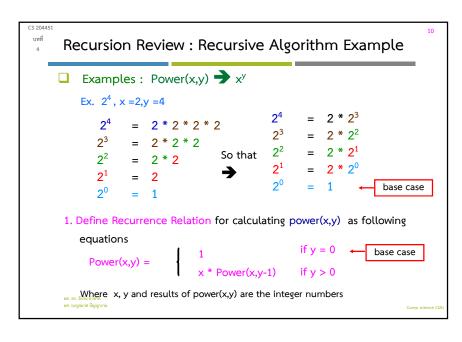
## Recursion Review: Recursion and memory The function solves a task by calling itself multiple times Each time, a copy of the local variables and parameters for that function, as well as the return address, are pushed onto the stack memory. When the function returns, the local variables, parameters and return addresses are popped from the stack frame. It's important: make sure that every function call eventually hits the base case in order to avoid infinite recursion.

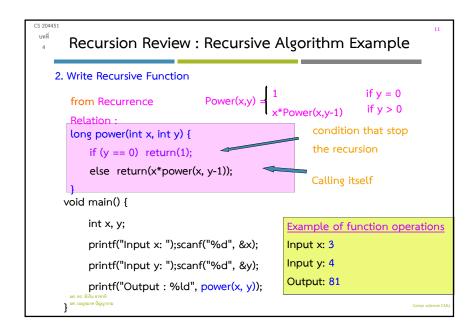


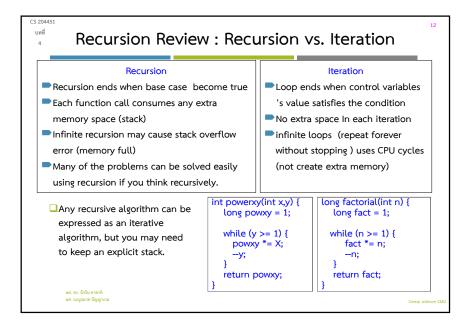


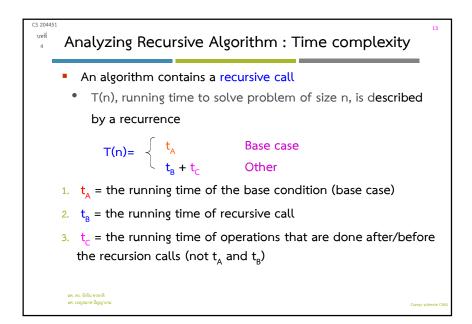


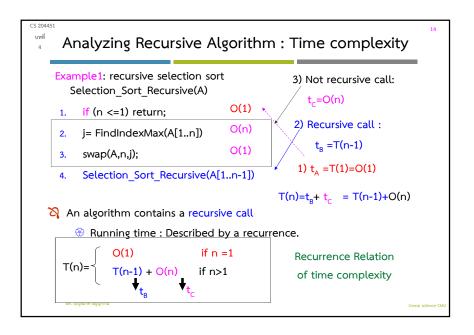


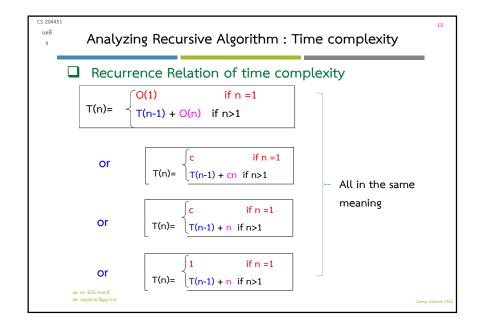


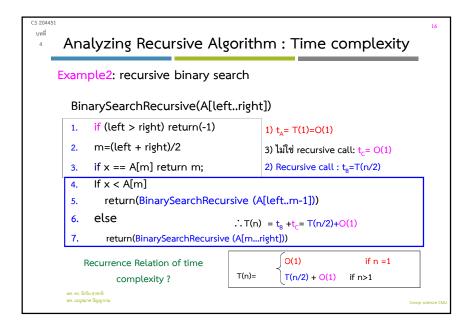


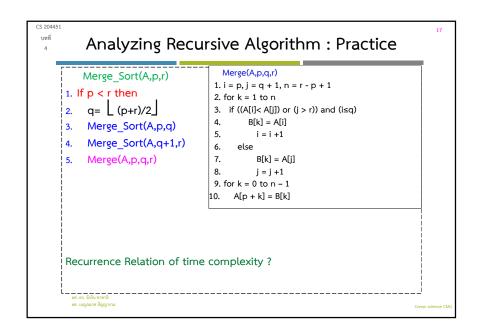


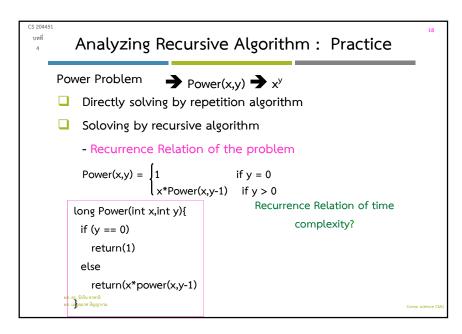


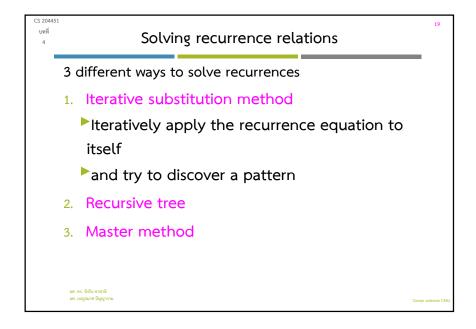


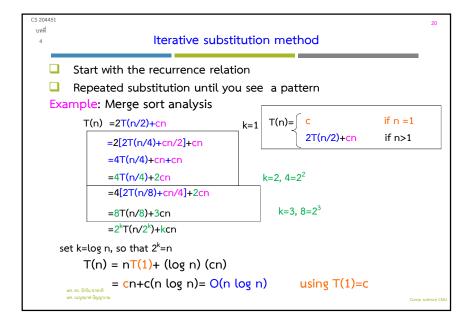


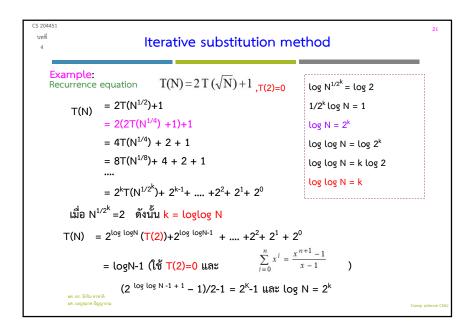


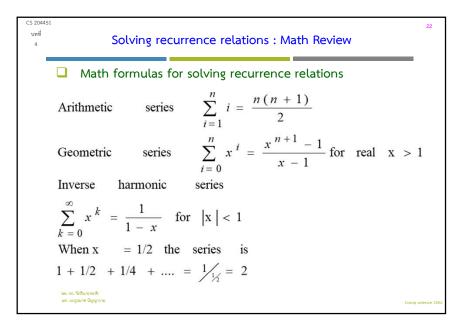


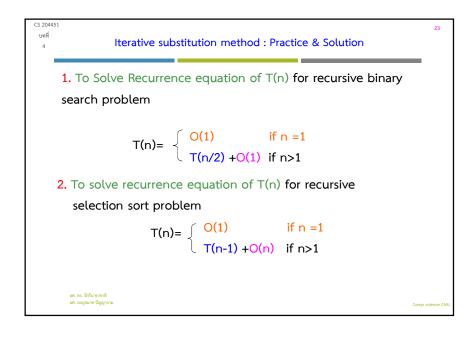












To solve each recurrence relation in practice sheet: Assignment#03 by using

1) Iterative substitution method OR Recursion-tree Method

2) Master Theorem

All R. Solvered Beggerts

Let M. Magnet Beggerts

Let M. Magnet Beggerts

Comp science CAU

CS 204451