CSC 373: Week 4 Tutorial

* Assignment 1 deadline has been extended to tomorrow Friday June 9th, 11:59pm
* This room(SS2118) will be our tutorial room from this week on
* Exam 1 next Thursday, June 15th

Example 1

Given: an array of m distinct natural numbers,

a natural number

Find: the number of distinct sets from the array that sum up to , with duplicates

of length

Want: is the number of sets that add up to

initially all 0

and …

for

for

if

return

20-1 20-20

16 – 5

Caching | 2 3 17 4 1 10 1 10 |

cache of size

initially empty

cache miss evict

| 17 1| | 1 2 2 1 3 3 1 2|

| 1 2 | 3

20 1 20 20 1 1 1

Furthest in future

OPT list of evictions

| 1 2|

| |1| |

| 2 1|

| |2| |

| 1 2 |