## HC2 2012 Prefix

Given a set of binary codes, decide

- (1) whether they are prefix-free
- (2) whether the set is full,
- (3) the minimum number of codes to make it full
  - (1) Easy subtask:
    Enumerate each pair of codes,
    and check whether one is
    the prefix of the other.

Mic void main(String argv[]) [

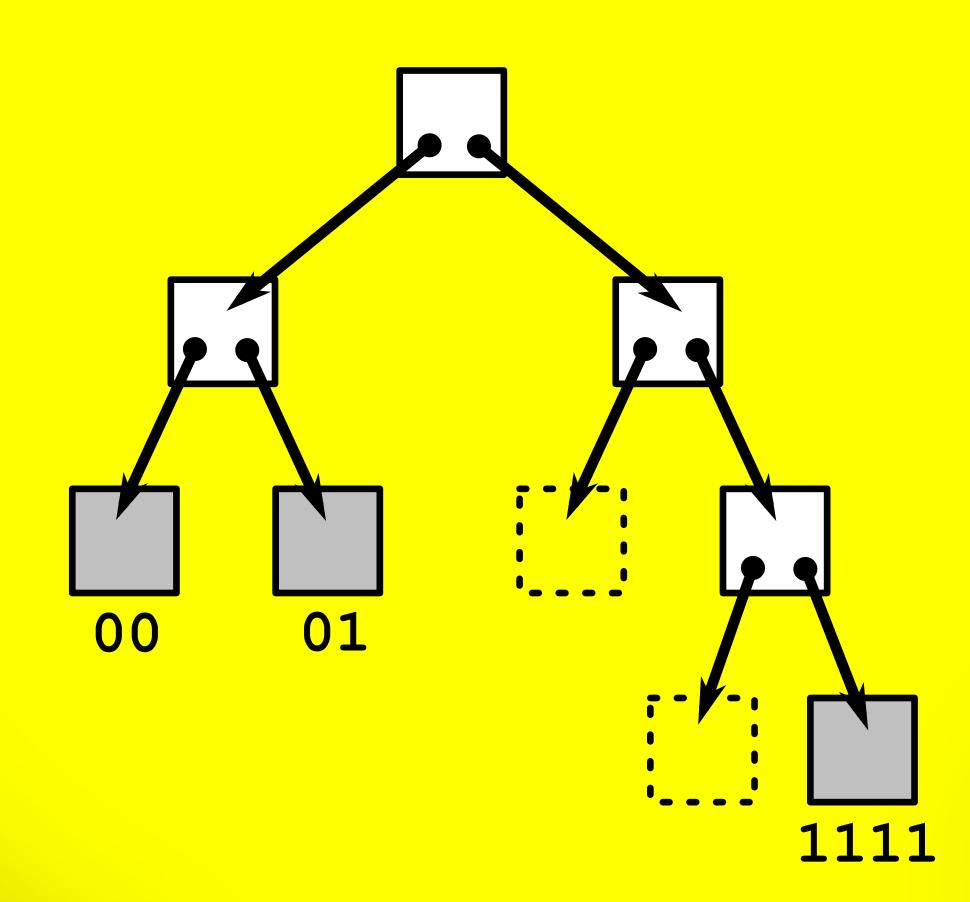
SpaceTimeCoord whereAmil(Duste 1 - Place
TimeZone tz[allKrooms\*\* lacks\*\*

hc2.inviteParticipants(STUDENTS, WIGH\_SCHOOL, PYE); hc2.setAttr("fun", "a lot!");

Contest hc2 = new HC2; hc2.setDate("March 17, 2012");

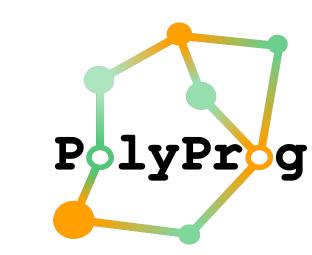
hc2.timeWarp(3,14192+42/27);

For the medium and hard subtasks, you need to build a binary tree (or trie in this case):



(2) For the medium subtask,
you're asked whether
there are any free nodes:

(3) In the hard subtask, you have to count them.



in a team of up to three nts (high school, rsity, PhD)

correct code in C, C++



7 0

public class GregorianCalendar

extends jeve.util.Colendar



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