

GAMES COURSE

HOMEWORK 5

1. Staple the HW and put your NAME on it clearly.
2. Fix up the last homework if you need to do that.
3. For every value of $2 \leq g < 17$ decide whether g is a "good" generator (i.e. whether it covers the entire set $\{1, \dots, p-1\}$). REMEMBER there is a shortcut!!!
4. Find one good generator and one bad generator for prime $p = 19$.
5. Given a (complete) binary tree with n leaf nodes, what is its depth in terms of n ? You can see a picture of a complete binary tree here:
<http://e-learning.mfu.ac.th/mflu/1302251/img/tree2.gif>