<?php

/\*\*

 \* 此方法由@Tonton 提供

 \* http://my.oschina.net/u/918697

 \* @date 2012-12-12

 \*/

function genTree5($items) {

    foreach ($items as $item)

        $items[$item['pid']]['son'][$item['id']] = &$items[$item['id']];

    return isset($items[0]['son']) ? $items[0]['son'] : array();

}

/\*\*

 \* 将数据格式化成树形结构

 \* @author Xuefen.Tong

 \* @param array $items

 \* @return array

 \*/

function genTree9($items) {

    $tree = array(); //格式化好的树

    foreach ($items as $item)

        if (isset($items[$item['pid']]))

            $items[$item['pid']]['son'][] = &$items[$item['id']];

        else

            $tree[] = &$items[$item['id']];

    return $tree;

}

$items = array(

    1 => array('id' => 1, 'pid' => 0, 'name' => '江西省'),

    2 => array('id' => 2, 'pid' => 0, 'name' => '黑龙江省'),

    3 => array('id' => 3, 'pid' => 1, 'name' => '南昌市'),

    4 => array('id' => 4, 'pid' => 2, 'name' => '哈尔滨市'),

    5 => array('id' => 5, 'pid' => 2, 'name' => '鸡西市'),

    6 => array('id' => 6, 'pid' => 4, 'name' => '香坊区'),

    7 => array('id' => 7, 'pid' => 4, 'name' => '南岗区'),

    8 => array('id' => 8, 'pid' => 6, 'name' => '和兴路'),

    9 => array('id' => 9, 'pid' => 7, 'name' => '西大直街'),

    10 => array('id' => 10, 'pid' => 8, 'name' => '东北林业大学'),

    11 => array('id' => 11, 'pid' => 9, 'name' => '哈尔滨工业大学'),

    12 => array('id' => 12, 'pid' => 8, 'name' => '哈尔滨师范大学'),

    13 => array('id' => 13, 'pid' => 1, 'name' => '赣州市'),

    14 => array('id' => 14, 'pid' => 13, 'name' => '赣县'),

    15 => array('id' => 15, 'pid' => 13, 'name' => '于都县'),

    16 => array('id' => 16, 'pid' => 14, 'name' => '茅店镇'),

    17 => array('id' => 17, 'pid' => 14, 'name' => '大田乡'),

    18 => array('id' => 18, 'pid' => 16, 'name' => '义源村'),

    19 => array('id' => 19, 'pid' => 16, 'name' => '上坝村'),

);

echo "<pre>";

print\_r(genTree5($items));

print\_r(genTree9($items));

//后者输出格式，前者类似，只是数组键值不一样，不过不影响数据结构

/\*

Array

(

[0] => Array

    (

        [id] => 1

        [pid] => 0

        [name] => 江西省

        [son] => Array

            (

                [0] => Array

                    (

                        [id] => 3

                        [pid] => 1

                        [name] => 南昌市

                    )

                [1] => Array

                    (

                        [id] => 13

                        [pid] => 1

                        [name] => 赣州市

                        [son] => Array

                            (

                                [0] => Array

                                    (

                                        [id] => 14

                                        [pid] => 13

                                        [name] => 赣县

                                        [son] => Array

                                            (

                                            [0] => Array

                                                (

                                                    [id] => 16

                                                    [pid] => 14

                                                    [name] => 茅店镇

                                                    [son] => Array

                                                        (

                                                        [0] => Array

                                                            (

                                                            [id] => 18

                                                            [pid] => 16

                                                            [name] => 义源村

                                                            )

                                                        [1] => Array

                                                            (

                                                            [id] => 19

                                                            [pid] => 16

                                                            [name] => 上坝村

                                                            )

                                                        )

                                                )

                                            [1] => Array

                                                (

                                                    [id] => 17

                                                    [pid] => 14

                                                    [name] => 大田乡

                                                )

                                            )

                                    )

                                [1] => Array

                                    (

                                        [id] => 15

                                        [pid] => 13

                                        [name] => 于都县

                                    )

                            )

                    )

            )

    )

[1] => Array

    (

        [id] => 2

        [pid] => 0

        [name] => 黑龙江省

        [son] => Array

            (

                [0] => Array

                    (

                        [id] => 4

                        [pid] => 2

                        [name] => 哈尔滨市

                        [son] => Array

                            (

                            [0] => Array

                                (

                                    [id] => 6

                                    [pid] => 4

                                    [name] => 香坊区

                                    [son] => Array

                                        (

                                        [0] => Array

                                            (

                                                [id] => 8

                                                [pid] => 6

                                                [name] => 和兴路

                                                [son] => Array

                                                    (

                                                        [0] => Array

                                                            (

                                                            [id] => 10

                                                            [pid] => 8

                                                            [name] =>

                                                             东北林业大学

                                                            )

                                                        [1] => Array

                                                            (

                                                            [id] => 12

                                                            [pid] => 8

                                                            [name] =>

                                                            哈尔滨师范大学

                                                            )

                                                    )

                                            )

                                        )

                                )

                            [1] => Array

                                (

                                    [id] => 7

                                    [pid] => 4

                                    [name] => 南岗区

                                    [son] => Array

                                        (

                                        [0] => Array

                                            (

                                            [id] => 9

                                            [pid] => 7

                                            [name] => 西大直街

                                            [son] => Array

                                                (

                                                [0] => Array

                                                    (

                                                    [id] => 11

                                                    [pid] => 9

                                                    [name] =>

                                                     哈尔滨工业大学

                                                    )

                                                )

                                            )

                                        )

                                )

                            )

                    )

                [1] => Array

                    (

                        [id] => 5

                        [pid] => 2

                        [name] => 鸡西市

                    )

            )

    )

)\*/