GraphA: TR = { 1, 2, 3, 4, 5, 6, 7, 8, 9 }

Test Paths = { [ 1, 3, 5, 6, 7, 8, 6, 9 ],

[ 1, 3, 4, 9],

[ 1, 2, 9 ] }

graph = { 1: [2, 3, 10], 2: [3, 4], 3: [ ], 4: [5] }

Test 1: graph , start = 2, path= [ 1]

Test 2: graph , start = 3, path= [ 1]

Test 3: graph , start = 10, path= [ 1]

GraphB :输入多了一个i，path变为修改后的path

TR = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 }

Test Paths = { [ 1, 2, 5, 6, 7, 8, 6, 10 ],

[ 1, 3, 10 ],

[1, 4, 9, 10 ] }

graph = { 1: [2, 3, 10], 2: [3, 4], 3: [1，4], 4: [2，3] }

Test 1: graph , start = 2, path= [ 1，2 ]，i=1（这时node就是4）

Test 2: graph , start = 3, path= [ 1，2 ，3]，i=0 （这时node就是1）

Test 3: graph , start = 4，path= [ 1，2，3，4]，i=0 （这时node就是2，但这时第一次出现在path中且不是起点，path[1,2,3,4]还未被添加进paths，但如果i=1，则node为3，满足第一个条件，但[1,2,3,4]在i=0就被添加进去，此时就不会再走图中的结点9了，所以i=0）