#include <iostream>

#include <fstream>

#include <string>

using namespace std;

int main() {

ofstream outTemplate;

ifstream inGen;

ifstream inTemplate;

string gen, line;

int genCount=1;

int m=10;

for (int j=2; j<42; j++)

{

for (int i =1; i<=(127/j); i=i+2)

{

inGen.open("/home/onta1/ASRz4/Lifted/shift1len"+ to\_string(i)+"z4Lift.txt");

if (inGen.is\_open())

{

while (getline(inGen, gen))

{

int lineNumber=1;

outTemplate.open("/home/onta1/ASRz43.0/inputMagmaProgs/l\_"+to\_string(j)+"/m\_"+to\_string(i)+"/g"+to\_string(genCount)+".txt");

inTemplate.open("/home/onta1/ASRz43.0/ASRtemplate3.txt");

while (getline(inTemplate, line))

{

outTemplate<<line<<endl;

if (lineNumber==8)

{

outTemplate<<"l:="+to\_string(j)+";";

}

if (lineNumber==9)

{

outTemplate<<"m:="+to\_string(i)+";";

}

if (lineNumber==18)

{

outTemplate<<"gen:="+gen+";";

}

if (lineNumber==59)

{

outTemplate<< "file:=\"/home/onta1/ASRz43.0/Output/l\_"+to\_string(j)+"/m\_"+to\_string(i)+"/g"+to\_string(genCount)+"Output.txt\";";

}

lineNumber++;

}

inTemplate.close();

genCount++;

outTemplate.close();

}

}

inGen.close();

genCount=1;

}

}

return 0;

}