**Длинное деление с периодом**

int N, D, r, fl = 1;

string convertInt(int number)

{

stringstream ss;

ss << number;

return ss.str();

}

void output(string answer){

if(answer.SZ <= 76) out << answer << endl;

else{

for(int i = 0; i < answer.length(); i += 76){

out << answer.substr(i, 76) << endl;

}

}

}

int main()

{

in >> N >> D;

int R[D];

memset(R, -1, sizeof(R));

r = N % D;

R[r] = 0;

string frac = "";

while(fl){

frac += convertInt(r \* 10 / D);

r = r \* 10 % D;

if(r == 0){

output(convertInt(N / D) + "." + frac);

return 0;

}

if(R[r] != -1) fl = 0;

else R[r] = frac.SZ;

}

frac = frac.substr(0, R[r]) + "(" + frac.substr(R[r], frac.SZ) + ")";

if(frac.substr(frac.SZ - 3, 3) == "(0)") frac = frac.substr(0, frac.SZ - 3);

output(convertInt(N / D) + "." + frac);

}