https://github.com/enkidomusic/labs.git

#include <iostream>

#include <vector>

#include <algorithm>

using namespace std;

int main() {

int task;

do {

cout << "choose your task. type 0 to exit" << endl;

cin >> task;

switch(task) {

case 1:

{

int A,B;

cin >> A >> B;

if (A>2 == B <= 3) cout << "true" << endl;

else cout << "false" << endl;

break;

}

case 2:

{

int A,B,C;

cin >> A >> B >> C;

if (A<B && B < C) cout << "true" << endl;

else cout << "false" << endl;

break;

}

case 3:

{

int A;

cin >> A;

if (A%2==0 && A/100 == 0 && A/10 < 10) cout << "true" << endl;

else cout << "false" << endl;

break;

}

case 4:

{

int A;

cin >> A;

if (A/100 > A/10%10 && A/10%10 > A%10 || A/100 < A/10%10 && A/10%10 < A%10) cout << "true" << endl;

else cout << "false" << endl;

break;

}

case 5:

{

int a;

cin >> a;

if (a/1000 == a%10 && a/100%10 == a%100/10) cout << "true" << endl;

else cout << "false" << endl;

break;

}

case 6:

{

vector <int> verticies;

for (int i=0;i<3;i++) {

int a;

cin >> a;

verticies.push\_back(a);

}

sort(verticies.begin(),verticies.end());

if (verticies[2]\*verticies[2]==verticies[0]\*verticies[0]+verticies[1]\*verticies[1]) cout << "true" << endl;

else cout << "false" << endl;

break;

}

case 7:

{

int a,b,c;

cin >> a >> b >> c;

if (a+b>c && a+c>b && b+c>a) cout << "true" << endl;

else cout << "false" << endl;

break;

}

}

}

while (task!=0);

}