#include <iostream>

#include <cmath>

using namespace std;

int bin2Dec(const string& binaryString)

{

int result = 0;

int indexcount = 0;

for (int i = binaryString.length() - 1; i >= 0; i--)

{

if (binaryString[i] == '1')

{

result += pow(2, indexcount);

}

indexcount++;

}

return result;

}

int main()

{

string str;

cout << "Enter a binary string: ";

cin >> str;

cout << "The decimal result: " << bin2Dec(str);

return 0;

}

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