/\* Convert this program to C++

\* change to C++ io

\* change to one line comments

\* change defines of constants to const

\* change array to vector<>

\* inline any short function

\*/

#include <stdio.h>

#define N 40

void sum(int\*p, int n, int d[])

{

int i;

\*p = 0;

for(i = 0; i < n; ++i)

\*p = \*p + d[i];

}

int main()

{

int i;

int accum = 0;

int data[N];

for(i = 0; i < N; ++i)

data[i] = i;

sum(&accum, N, data);

printf("sum is %d\n", accum);

return 0;

}