1.

# include<stdio.h>

# include<stdbool.h>

int shx(int n)

{

int sum = 0;

do

{

sum += (n%10) \* (n%10) \* (n%10);

n /= 10;

}while(n > 0);

return sum;

}

int main(void)

{

int n, i;

int sum;

int k = 0;

scanf("%d", &n);

for(i=100; i<=n; ++i)

{

sum = shx(i);

if(sum == i)

{

printf("%d ", i);

k += 1;

}

}

printf("\n%d", k);

return 0;

}

/\*

在devc++中的运行结果为

5000

153 370 371 407

4

\*/

2.

# include<stdio.h>

# include<stdbool.h>

bool num(int n)

{

int i, sum = 0;

for(i=1; i<n; i++)

{

if(n%i == 0)

sum += i;

else

continue;

}

if(sum == n)

return true;

else

return false;

}

int main(void)

{

int n, i;

scanf("%d", &n);

for(i=10; i<=n; ++i)

{

if(num(i))

printf("%d ", i);

}

return 0;

}

/\*

在devc++中的运行结果为

999

28 496

\*/