

7. 16.

1. 6 2. c 3. b 4. c 5. d

a) 2020

b) ~~1 2 3 4 5 6 7 8 9 10~~ 3 1 2 2 3 1 4 4

c) #include <iostream>

int main()

{ int m, k; std::cin >> m >> k; int nr;

if (k == 0)

nr = -1;

else

{ nr = 0; int p = 1;

do

{ int c = m % 10; m /= 10;

if (c % 2 == 0)

{ nr = nr * c * p; p *= 10; }

else

{ while (m != 0 && k != 0)

std::cout << nr;

}

d)

citește m, k

dacă k = 0 atunci nr = -1.

altfel

nr = 0; p = 1;

it = 0

cat timp (m != 0 && k != 0) sau it = 0

it = it + 1

dacă c % 2 = 0 atunci

nr = nr + c * p; p = p * 10;

altfel k = k - 1

scrie nr;

2. 5 3 1.

1 2 3 4 5.

3. 15. has 2020.

```
S III .1. int nrdiuprim(int n)
{ int div=2; int num=0;
  while(n > 1)
  { int cnum=0;
    while(n%div == 0)
    { n/=div; cnum++; }
    if(cnum%2 == 1)
      num++;
    div++;
  }
  return num;
}
```

```
#include <iostream>
2. int main()
{ int n, m; std::cin >> n >> m;
  int a[m][m], pp = (m*m*2)-1;
  for(int i=0; i < n; i++)
  {
    for(int j=0; j < m; j++)
    { a[i][j] = pp*pp;
      pp--; std::cout << a[i][j] << " ";
    }
    std::cout << "\n";
  }
  return 0;
}
```