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CURS 4/ex 3:
Determinati O(\ell(m)) pontru urmatoarele socrente de cod
  a a = 6+c;
     d= a+e; O(1)
  b. pwm = 0;
     for (1=0, 1<3, 1++)
       for (1=0; 1<m; 1++)
            0wm++;
     O(3 \cdot m) = O(m)
  C 0 mm = 0 ;
   for (i=0; ic m*m; i++)
      Dwm ++;
      O(m*m)=O(m^2)
  d for ( i=0; i< m-1; i++)
        for ( j=i+1; j<m; j++)
          { tmp = A[i][j];
              A[i][j]=A[j][i];
              A[j][i]=tmp;
     Un iterații: (m-1)+(m-2)+...+1=\frac{(m-1)m}{2}\to O(m^2)
  e. num = 0;
     Por( 1=1; 1<=m; 1++)
       for (j=1, j <= m, j \neq = a)
          sum ++;
```

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j: 1,2,4,8, cat timp 1>m=)
  \Rightarrow 2^{k} \le m \Rightarrow k \le \log_{2} m \Rightarrow \log_{2} m + 1, câmd j = 1
  ⇒ Nr. iteratii: m(log m +1) => O(m log m)
for(i=1; i<=m; i==2) // log_a(m)+1
    lon (j=1, j<=m; j++) //m
⇒ Nr iteratii: m (log 2 m+1) => O(m log m)
```