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C Program to find sum of positive square elements

Algorithm

1. Start

2. sum = 0

3. Input n

4. Repeat throug step 4
   for (i=0; i<n; i++)
      input a[i]

5. Repeat through step 5
   . for (i=0; i<n; i++)

   5.1. flag = 0

   5.2 Repeat through Step 5.2
      for (j=1; j<a[i] ; j++)
      if ((j*j)= =a[i])
         flag ++
         break

   5-3 if (flag >0)
         sum = sum + a[i]

6. Point sum

7. Stop

Flowchart

```
                    ( Start )
                        |
                        v
                    [ Sum = 0 ]
                        |
                        v
                   / Input n /
                        |
                        v
false          < for i=0; i<n; i++ > <----+
  <------------                            |
  |                    | True              |
  |                    v                   |
  |              / Input a[i] / -----------+
  |                    |
  v                    v
false          < for i=0; i<n; i++ > <-----------+
  <------------                                   |
  |                    | True                     |
  |                    v                           |
  |               [ flag = 0 ]                     |
  |                    |                           |
  |                    v                           |
false        < for j=1; j<a[i]; j++ > <-----+     |
  <----------                                |     |
  |                    |                      |     |
  |                    v                      |     |
  |                  / \         false        |     |
  |                 /(j*j)==\ ----------------+     |
  |                 \  a[i] /                       |
  |                  \ /                            |
  |                   | True                        |
  |                   v                             |
  |              [ flag ++ ]                        |
  |                   |                             |
  |                   v                             |
  |              [ break ]                          |
  |                   |                             |
  |                   v                             |
  |                 / \                             |
  +-------------> < flag==0 >                       |
                    \ /                             |
                     | True                         |
                     v                              |
             [ Sum = sum + a[i] ] -------------------+
                     |
                     v
               / print sum /
                     |
                     v
                 ( Stop )
```