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F section

To find sum of positive square elements

Algorithm

1. Start

2. sum = 0

3. input n

4. Repeat through 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.

```
                    ( start )
                        |
                        v
                   [ sum = 0 ]
                        |
                        v
                 / input n /
                        |
         false          v
     +-----------< for i=0; i<n; i++ >-----+
     |                  | true             |
     |             / input a[i] /          |
     |                  |                   |
     |      false       v                   |
     |  +---------< for i=0; i<n; i++ >---+ |
     |  |               | true            | |
     |  |          [ flag = 0 ]           | |
     |  |               |                 | |
     |  | false         v                 | |
     |  | +-------< for j=1; j<a[i]; j++ >-+ |
     |  | |             |                   |
     |  | |             v          false    |
     |  | |      < (i*j) == a[i] >---------->|
     |  | |             | true              |
     |  | |       [ flag ++ ]               |
     |  | |             |                   |
     |  | |       [ break ]                 |
     |  | |             |                   |
     |  | |             v                   |
     |  | |      < if flag == 0 >           |
     |  | |             | true             |
     |  | |     [ sum = sum + a[i] ]        |
     |  | |             |                   |
     |  +-+-------------+                   |
     |                                      |
     v                                      |
  / print sum /                             |
        |                                   |
        v                                   |
     ( stop )
```