```python
import math
print(' Enter the numbers with comma separation ')
n=input("enter the numbers:-")
list1=n.split(',')
for h in range(len(list1)):
    list1[h]=int(list1[h])
    s=5*list1[h]**2 + 4
    p=math.sqrt(s)
    p=round(p)
    psqrt=p*p
    q=5*list1[h]**2 - 4
    q=abs(q)
    t=math.sqrt(q)
    t=round(t)
    qsqrt=t*t
    if (s==psqrt or q==qsqrt):
        print(list1[h],"valid")
    else:
        print(list1[h],"invalid")
```

```
C:\Users\DELL\PycharmProjects\pythonProject5\venv\Scripts\python.exe C:/Users/DELL/PycharmProjects/pythonProject5/miniproject.py
 Enter the numbers with comma separation
enter the numbers:-0,7
0 valid
7 invalid


Process finished with exit code 0
```

```
for h in range(len(list))
```

```
  Enter the numbers with comma separation
enter the numbers:-0,1,2,3,4,5,6
0 valid
1 valid
2 valid
3 valid
4 invalid
5 valid
6 invalid
```

for h in range(len(list))

```
  Enter the numbers with comma separation
enter the numbers:-25,5,144,44
25 invalid
5 valid
144 valid
44 invalid


Process finished with exit code 0
```

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```
Enter the numbers with comma separation
enter the numbers:-13,31,21,45
13 valid
31 invalid
21 valid
45 invalid


Process finished with exit code 0
```

```
C:\Users\DELL\PycharmProjects\pythonProject5\venv\Scripts\python.exe C:/Users/DELL/PycharmProjects/pythonProject5/miniproject.py
 Enter the numbers with comma separation
enter the numbers:-23,13,4,5,8,21
23 invalid
13 valid
4 invalid
5 valid
8 valid
21 valid
```

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