```
import numpy as np

# Values of demand
V_D = [0, 50, 100, 150, 200]

print("Demand Curve 1: q = 200 - p")
print("q\tpi\tElasticity")
for i in V_D:
    if i == 0:
        pi = 200
        # Elasticity is undefined at q=0 (division by zero)
        ed = float('nan')  # Not a number
    else:
        pi = 200 - i
        ed = -pi / i
    print(f"{i}\t{pi}\t{ed:.2f}")

print("\nDemand Curve 2: i = 10000 / pi")
print("q\tpi\tElasticity")
for i in V_D:
    if i == 0:
        # As q approaches 0, p approaches infinity
        pi = float('inf')
        ed = -1  # Constant elasticity
    else:
        pi = 10000 / i
        ed = -1
    print(f"{i}\t{pi:.2f}\t{ed}")
```

```
Demand Curve 1: q = 200 - p
q       pi      Elasticity
0       200     nan
50      150     -3.00
100     100     -1.00
150     50      -0.33
200     0       0.00

Demand Curve 2: i = 10000 / pi
q       pi      Elasticity
0       inf     -1
50      200.00  -1
100     100.00  -1
150     66.67   -1
200     50.00   -1
```