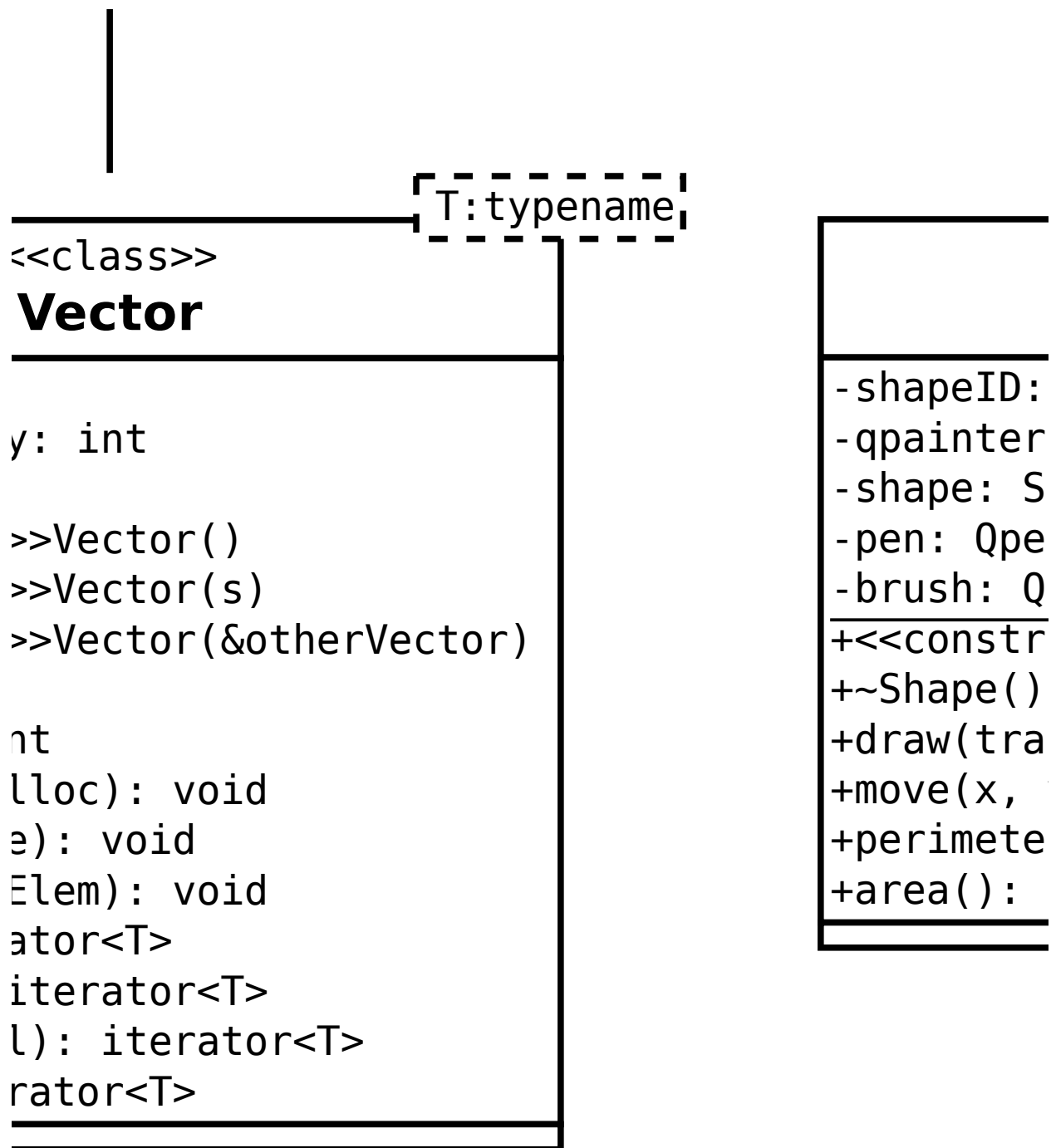


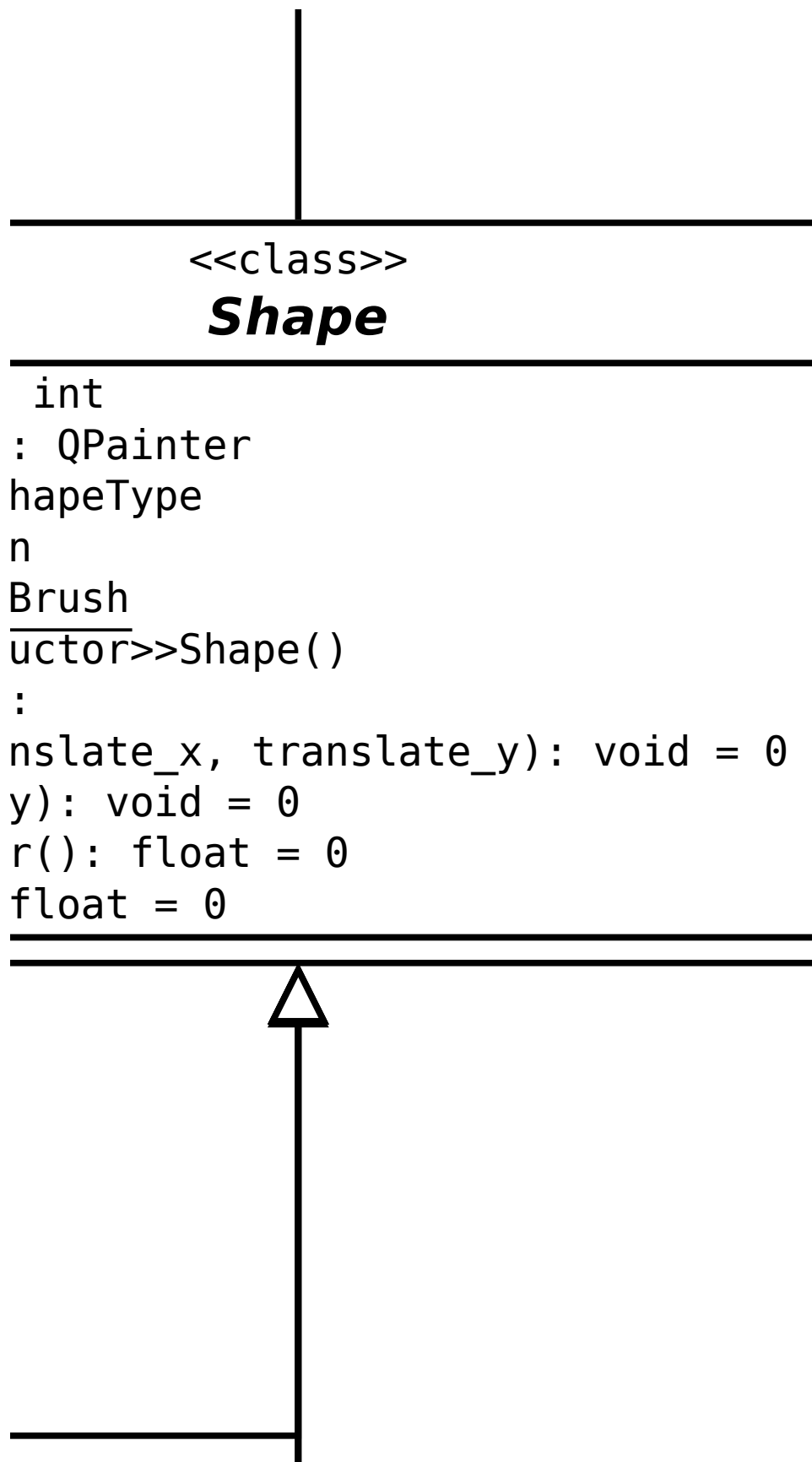



```

- size_v: int
- vectorCapacity
- elem: T
+<<<constructors
+<<<constructors
+<<<constructors
+size(): int
+capacity(): int
+reverse(new array)
+resize(newsize)
+push_back(new element)
+begin(): iterator
+end(): const_iterator
+insert(p, &value)
+erase(p): iterator

```






```
-rect: QRect
+<constructor>>Ellipse (QPaint *device
+~Ellipse()
+isCircle()const:bool
+set_rect(const QRect &rect):void
+draw (const int translate_x = 0, cons
+perimeter(): float
+area(): float
```

[
-
+
+
+
+
+
+
+
]

, int id, QColor xPenColor, qreal xPenWidth

t int translate_y = 0)void

```
point: Vector<QPoint>
-<<constructor>>Polyline (QPaintDevice *devi
~polyline()
.set_point(const QPoint_begin, const QPoint&
.draw(const int Translate_x = 0, const int t
.area(): float
```

E

, Qt::PenStyle xPenStyle, Qt::PenCapStyle xl

Poly

```
ce, int id, QColor xPenColor, qreal xPenWid  
point_end):void  
ranslate_y = 0): void
```

Ellipse

```
PenCapStyle, Qt::PenJoinStyle xPenStyle, QCo
```

Line

th, Qt::PenStyle xPenStyle, Qt::PenCapStyle

olor xBrushColor, Qt::BrushStyle XBrushStyle

```
xPenCapStyle, Qt::PenJoinStyle xPenStyle)
```

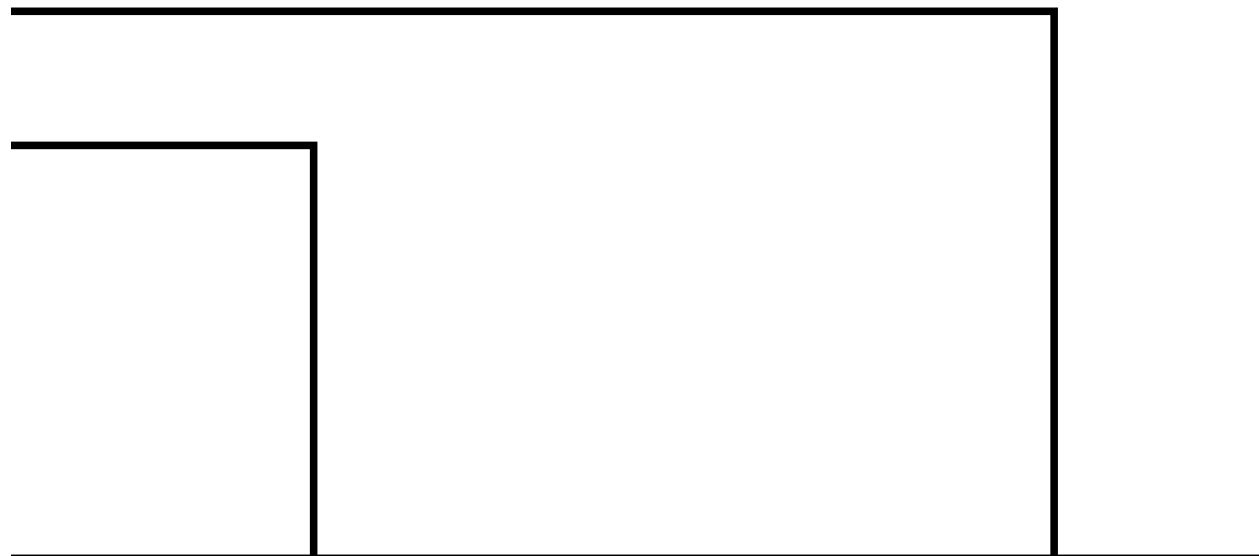
```
e, xTopLeftX, XTopLefty, xWidth, xHeight)
```

```
-point: Vector<QPoint>
+<<constructor>>Polygon (QPaintDev
+~Polygon()
+set_point(const QPoint_begin,
+draw(const int Translate_x = 0
+perimeter(): float
+area(): float
```

```
-point: Vector<QPoint>
+<<constructor>>Line (QPaintDev
+~Line()
+set_point(const QPoint_begin,
+draw(const int Translate_x = 0
+area(): float
```

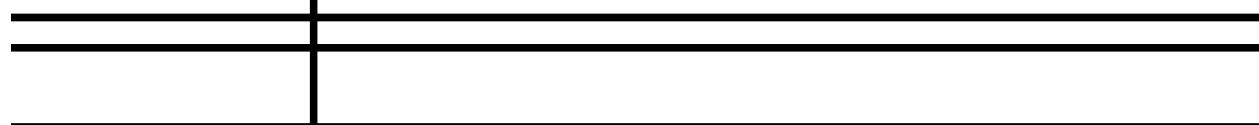
```
Device *device, int id, QColor xPenColor, q  
const QPoint& point_end):void  
, const int translate_y = 0): void
```

```
ice *device, int id, QColor xPenColor, qrea  
const QPoint& point_end):void  
, const int translate_y = 0): void
```



Polygon

```
real xPenWidth, Qt::PenStyle xPenStyle, Qt::
```



Line

```
l xPenWidth, Qt::PenStyle xPenStyle, Qt::Per
```



```
PenCapStyle xPenCapStyle, Qt::PenJoinStyle
```

```
PenCapStyle xPenCapStyle, Qt::PenJoinStyle xPe
```

```
xPenStyle, QColor xBrushColor, Qt::BrushSty
```

```
nStyle)
```

le xBrushStyle)

```
+area(): float
```





```
-upperleft: QPoint
-lowerright: QPoint
-rect: QRect
+<<constructor>>Rectangle (QPaintDevice *)
+~Rectangle()
+isSquare() const: bool
+set_rect(const QRect& rect): void
+draw(const int Translate_x = 0, const int Translate_y = 0): void
+perimeter(): float
+area(): float
```

```
device, int id, QColor xPenColor, qreal xPen
```

```
t translate_y = 0): void
```



`Width, Qt::PenStyle xPenStyle, Qt::PenCapSt`





```
style xPenCapStyle, Qt::PenJoinStyle xPenStyl
```



.e, QColor xBrushColor, Qt::BrushStyle xBrus

hStyle, int xTopLeftX, int xTopLefty, int x'



Width, int xHeight)

