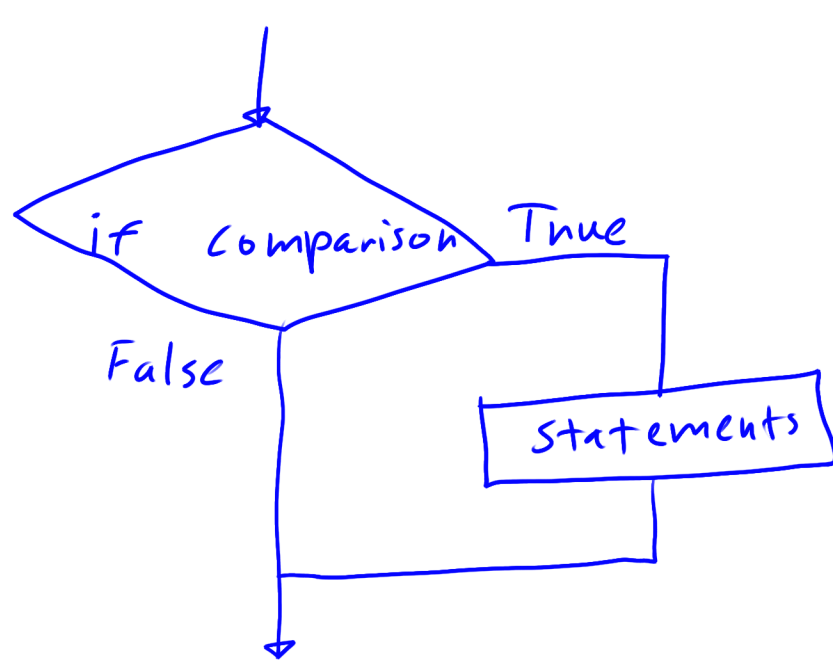


If Conditions

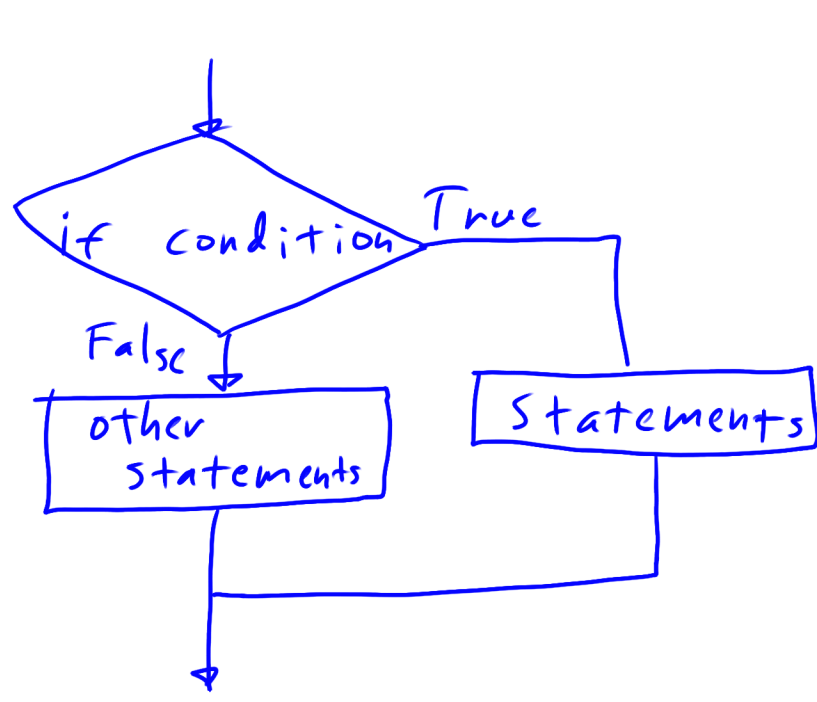
```

if comparison
  ...
  statements
  ...
end
    
```



```

if condition
  ...
  statements
  ...
else
  ...
  other statements
  ...
end
    
```



Example 1

```

x=5
y=2
if x>y
  x=x+y      x=7
else
  y=x^2      y=2
end
disp(x)      7
disp(y)      2
    
```

Example 2

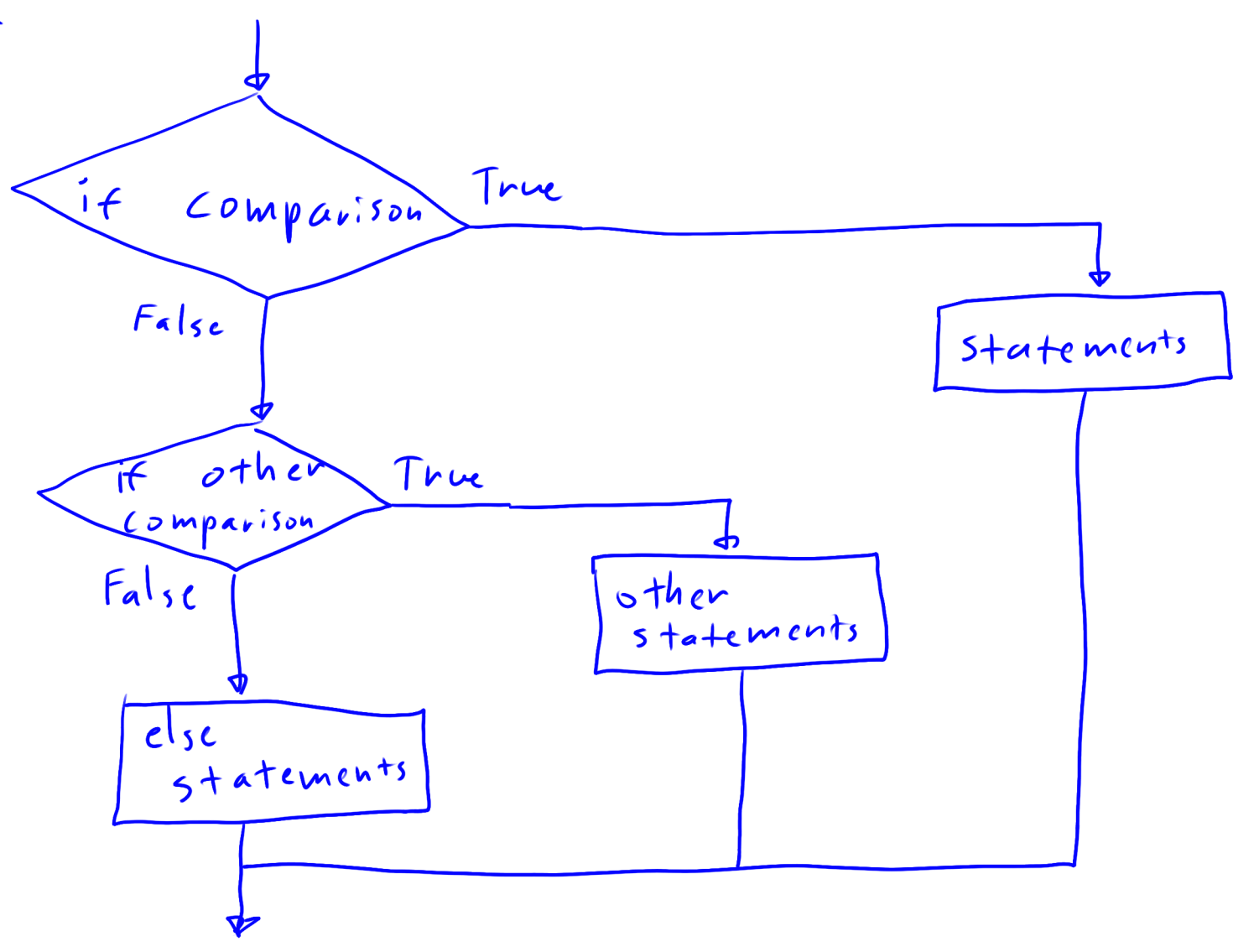
```

x=5
y=2
if x>y
  x=x+y      x=7
end
y=x^2      y=49
disp(x)      7
disp(y)      49
    
```

```

if comparison
  ...
  statements
  ...
elseif other comparison
  ...
  other statements
  ...
else
  ...
  else statements
  ...
end
    
```

} repeat else if



Example 3

```

x=input('Enter a number')
if x>10
  disp('x greater than 10')
elseif x>5
  disp('x greater than 5')
else if x>2
  disp('x greater than 2')
else
  disp('x not greater than 2')
end
    
```

Example 4

```

x=input('Enter a number')
if x>10
  disp('x greater than 10')
end
if x>5
  disp('x greater than 5')
else
  disp('x not greater than 5')
end
    
```