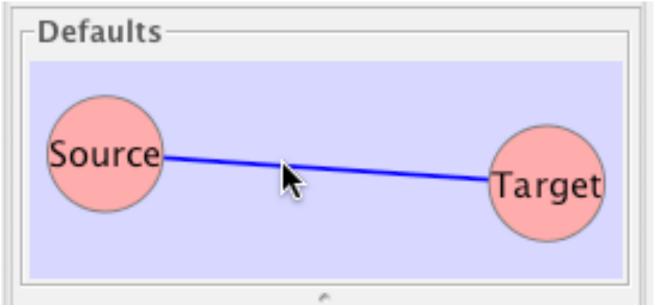


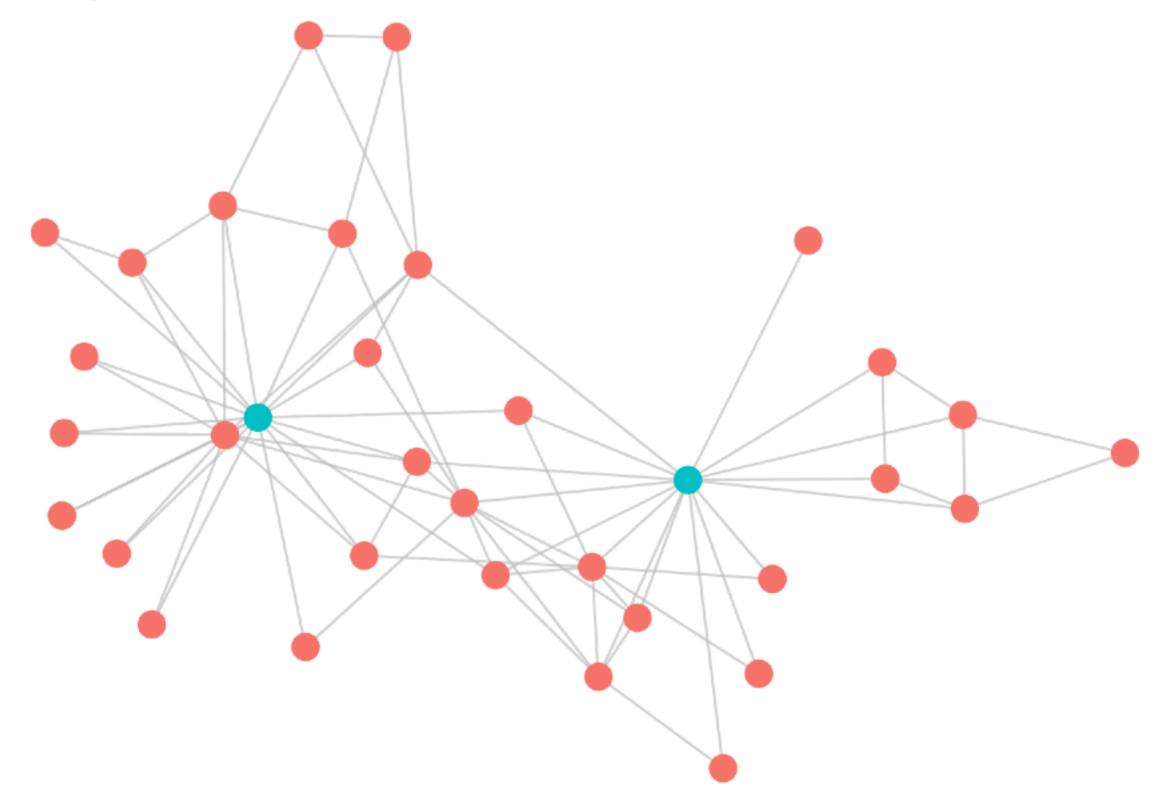


```
{
  "source": {
    "index": 0,
    "value": 0,
    "color": 2,
    "symbol": "stitch",
    "sourceX": 3,
    "sourceY": 3,
    "id": 0,
    "angle": 0,
    "x": 113.9895968121603,
    "y": 807.0610073520627,
    "vy": -0.00012547509432766235,
    "vx": -0.0016870529291002966
  },
  "target": {
    "index": 3,
    "value": 0,
    "color": 2,
    "symbol": "stitch",
    "sourceX": 3,
    "sourceY": 2,
    "id": 3,
    "angle": 0,
    "x": 96.05729718462814,
    "y": 607.8646706239178,
    "vy": -0.00011080132561001112,
    "vx": -0.0013180727921203795
  },
  "direction": "y",
  "sourceX": 0,
  "sourceY":
  "index": 0
},
```



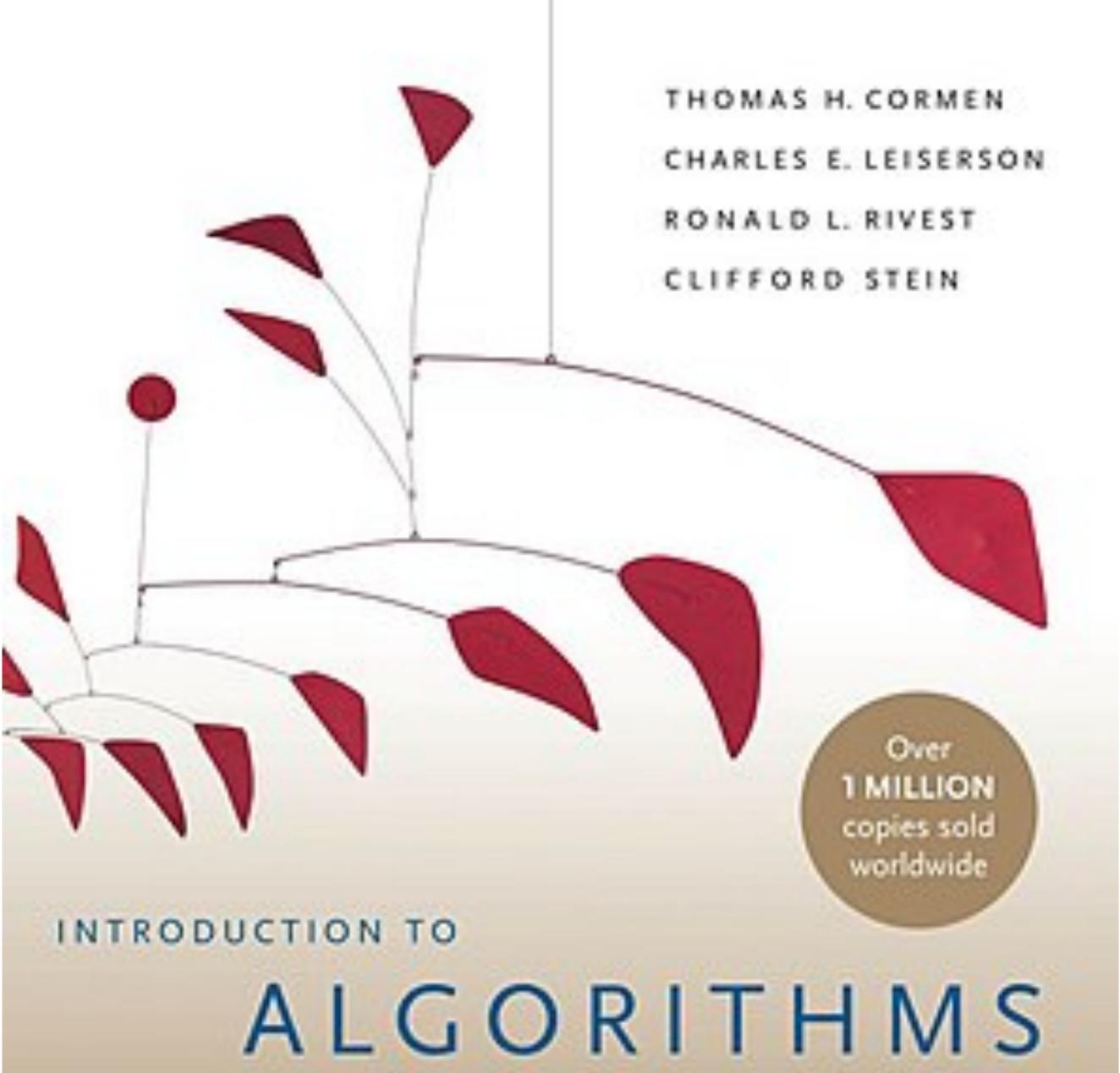
```
"source": {
    "index": 0,
    "value": 0,
    "color": 2,
    "symbol": "stitch",
    "sourceX": 3,
    "sourceY": 3,
    "id": 0,
    "angle": 0,
    "x": 113.9895968121603,
    "y": 807.0610073520627,
    "vy": -0.00012547509432766235
    "vx": -0.0016870529291002966
  },
  "target": {
    "index": 3,
    "value": 0,
    "color": 2,
    "symbol": "stitch",
    "sourceX": 3,
    "sourceY": 2,
    "id": 3,
    "angle": 0,
    "x": 96.05729718462814,
    "y": 607.8646706239178,
    "vy": -0.00011080132561001112
    "vx": -0.0013180727921203795
  },
  "direction": "y",
  "sourceX": 0,
  "sourceY": 0,
  "index": 0
},
```

## Zachary's Karate Club Network





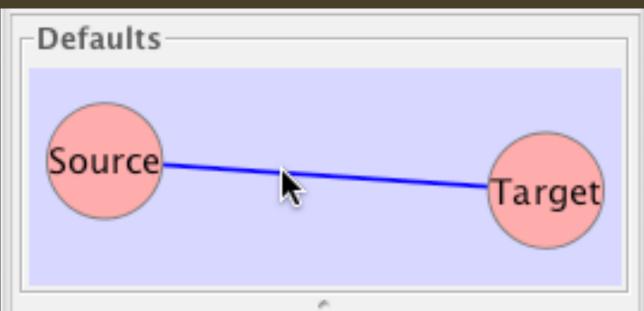


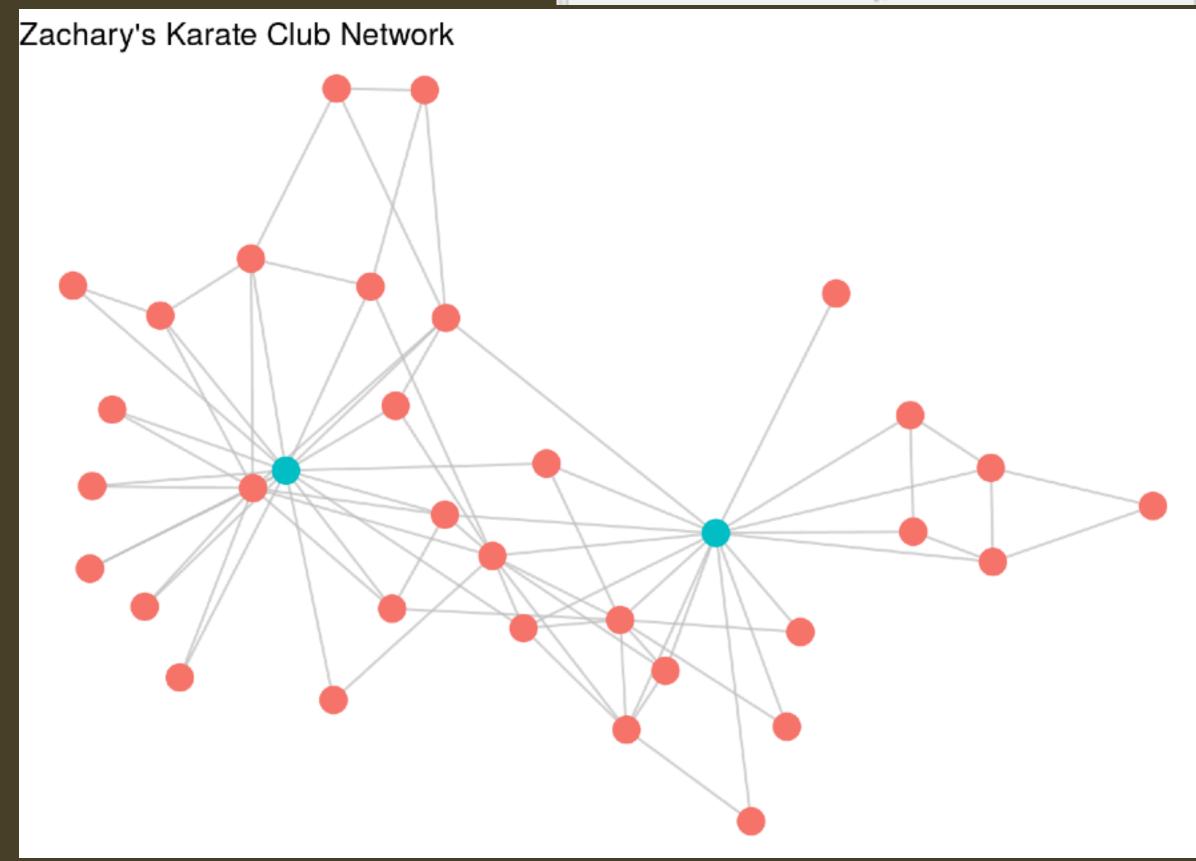


FOURTH EDITION

```
"source": {
    "index": 0,
    "value": 0,
    "color": 2,
    "symbol": "stitch",
    "sourceX": 3,
    "sourceY": 3,
    "id": 0,
    "angle": 0,
    "x": 113.9895968121603,
    "y": 807.0610073520627,
    "vy": -0.00012547509432766235
    "vx": -0.0016870529291002966
  },
  "target": {
    "index": 3,
    "value": 0,
    "color": 2,
    "symbol": "stitch",
    "sourceX": 3,
    "sourceY": 2,
    "id": 3,
    "angle": 0,
    "x": 96.05729718462814,
    "y": 607.8646706239178,
    "vy": -0.00011080132561001112
    "vx": -0.0013180727921203795
  "direction": "y",
  "sourceX": 0,
  "sourceY": 0,
  "index": 0
},
```

## COrnen Super Attack





## Radial Tree layout algorithm

