

Øving 7

Graf 1:

```
Graph: 1
Maximum flow from 0 to 7 using edmonds Karp's method.
0 4 3 7 Flow Increase: 2
0 1 2 3 7 Flow Increase: 1
0 4 5 6 7 Flow Increase: 1
0 1 4 5 6 7 Flow Increase: 1
0 1 2 3 6 7 Flow Increase: 1
0 1 2 4 5 6 7 Flow Increase: 1
0 1 2 3 5 6 7 Flow Increase: 1
0 1 2 3 4 5 6 7 Flow Increase: 2
Max Flow: 10
```

Figure 1: Utskrift over ulike veiene i graf 1. Max flow er på 10.

Graf 2:

```
Graph: 2
Maximum flow from 0 to 1 using edmonds Karp's method.
0 8 9 1 Flow Increase: 10
0 2 3 9 8 14 15 1 Flow Increase: 10
0 2 3 4 5 8 9 12 13 14 15 1 Flow Increase: 5
0 2 3 4 5 6 7 9 8 10 11 12 13 14 15 1 Flow Increase: 2
Max Flow: 27
```

Figure 2: Utskrift over ulike veiene i graf 2. Max flow er på 27.

Graf 3:

```
Graph: 3
Maximum flow from 0 to 1 using edmonds Karps method.
0 8 9 1 Flow Increase: 10
0 2 3 9 8 14 15 1 Flow Increase: 10
0 2 3 9 8 14 15 1 Flow Increase: 5
0 2 3 4 5 8 9 12 13 14 15 1 Flow Increase: 10
0 2 3 4 5 8 9 12 13 14 15 1 Flow Increase: 1
0 2 3 4 5 6 7 9 8 10 11 12 13 14 15 1 Flow Increase: 6
Max Flow: 42
```

Figure 3: Utskrift over ulike veiene i graf 3. Max Flow er 42.

Graf 4:

```
Graph: 4
Maximum flow from 0 to 7 using edmonds Karps method.
0 4 3 7 Flow Increase: 2
0 1 2 3 7 Flow Increase: 1
0 4 5 6 7 Flow Increase: 1
0 1 4 5 6 7 Flow Increase: 1
0 1 2 3 6 7 Flow Increase: 1
0 1 2 4 5 6 7 Flow Increase: 1
0 1 2 3 5 6 7 Flow Increase: 1
0 1 2 3 4 5 6 7 Flow Increase: 2
0 1 2 3 4 5 6 7 Flow Increase: 1
Max Flow: 11
```

Figure 4: Utskrift over ulike veiene i graf 4. Max Flow er 11.

Graf 5:

```
Graph: 5
Maximum flow from 0 to 7 using edmonds Karp's method.
0 2 3 7 Flow Increase: 10
0 2 4 7 Flow Increase: 25
0 5 6 7 Flow Increase: 10
0 5 6 1 7 Flow Increase: 40
0 2 4 6 1 7 Flow Increase: 5
Max Flow: 90
```

Figure 5: Utskrift over ulike veiene i graf 5. Max Flow er 90.