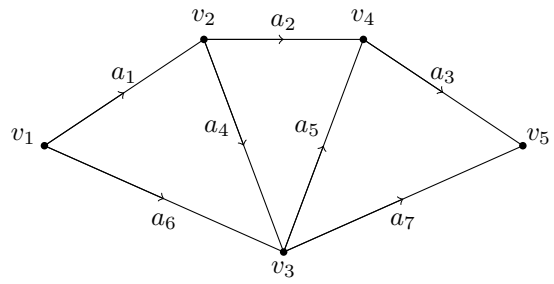
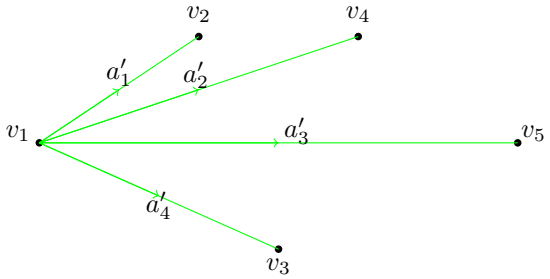
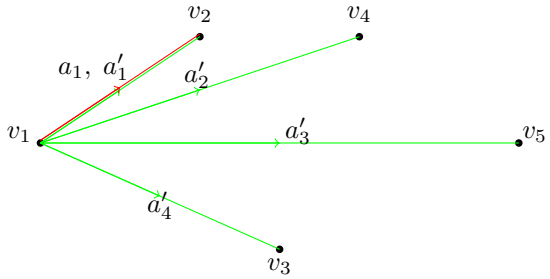
$D = (V, A)$:



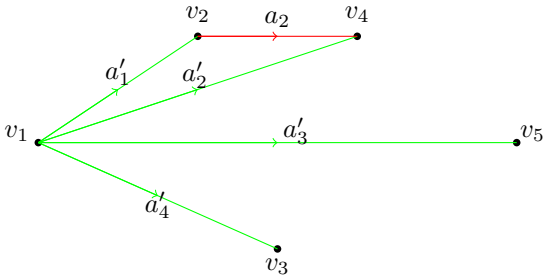

$T = (V, A')$



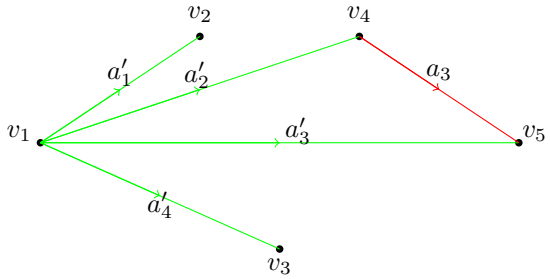

**1. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_1$ | 1 | 0 | 0 | 0 |



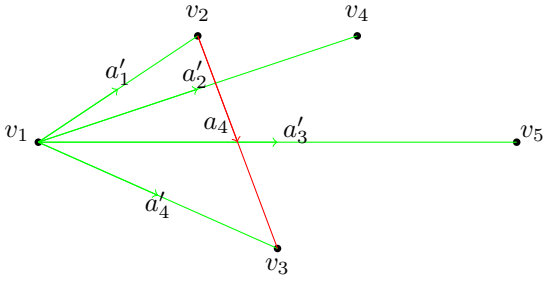

**2. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_1$ | $-1$ | 1 | 0 | 0 |



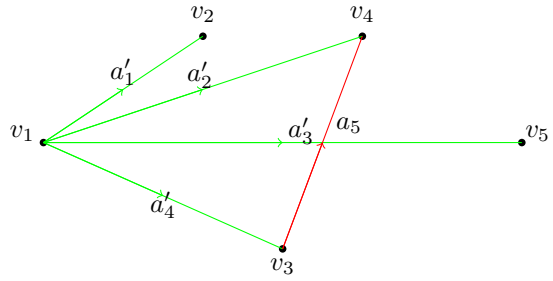

**3. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_3$ | 0 | $-1$ | 1 | 0 |



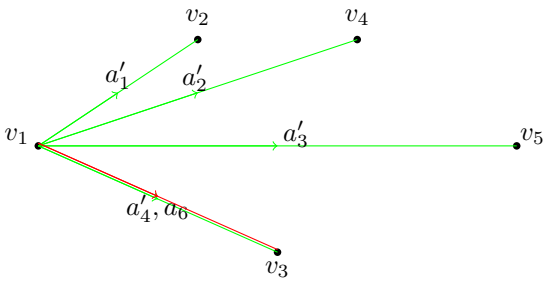

**4. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_4$ | $-1$ | 0 | 0 | 1 |



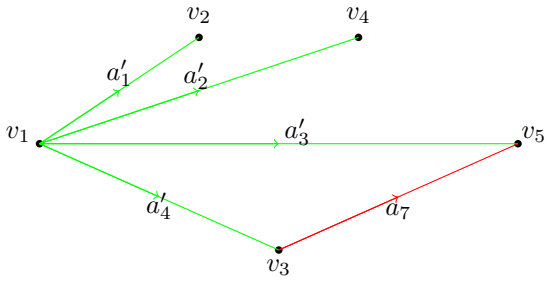

**5. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_5$ | 0 | 1 | 0 | $-1$ |




**6. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_6$ | 0 | 0 | 0 | 1 |




**7. Spalte**:

| | $a'_1$ | $a'_2$ | $a'_3$ | $a'_4$ |
|---|---|---|---|---|
| $a_7$ | 0 | 0 | 1 | $-1$ |

**Die Netzwerkmatrix:**

| | $a_1$ | $a_2$ | $a_3$ | $a_4$ | $a_5$ | $a_6$ | $a_7$ |
|---|---|---|---|---|---|---|---|
| $a'_1$ | 1 | $-1$ | 0 | 1 | 0 | 0 | 0 |
| $a'_2$ | 0 | 1 | $-1$ | 0 | 1 | 0 | 0 |
| $a'_3$ | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| $a'_4$ | 0 | 0 | 0 | $-1$ | $-1$ | 1 | $-1$ |