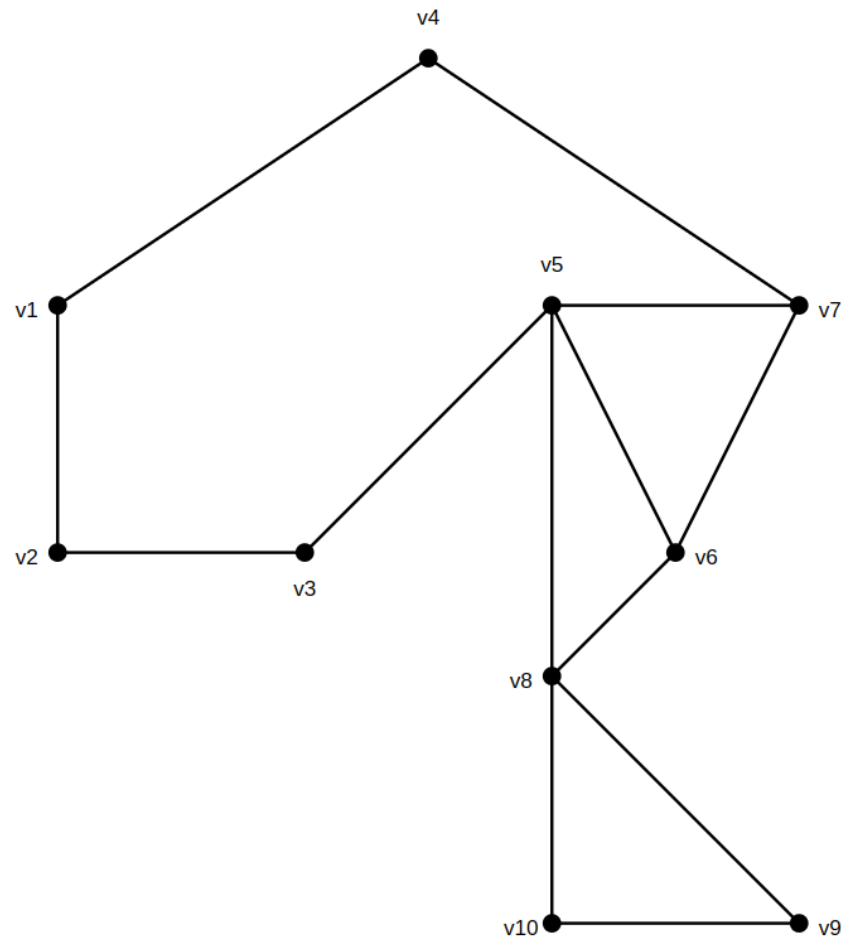


## Ex 1

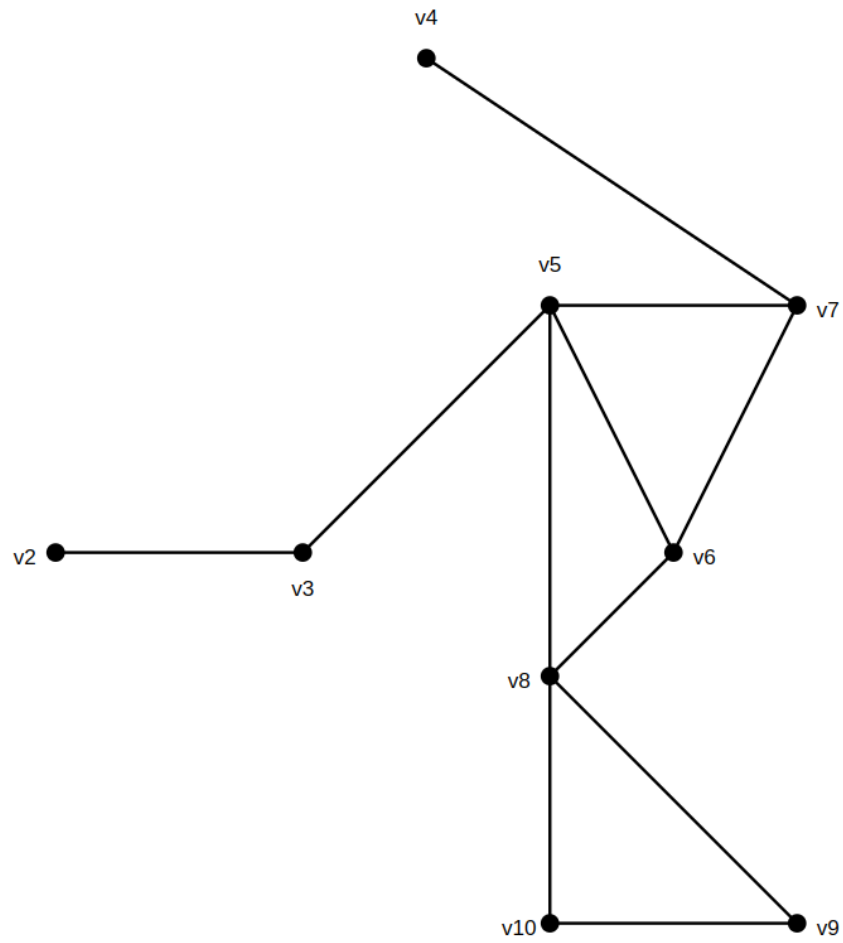
after 1. iteration:

- v11 was deleted.
- S and U are updated since  $13/10 > 14/11$



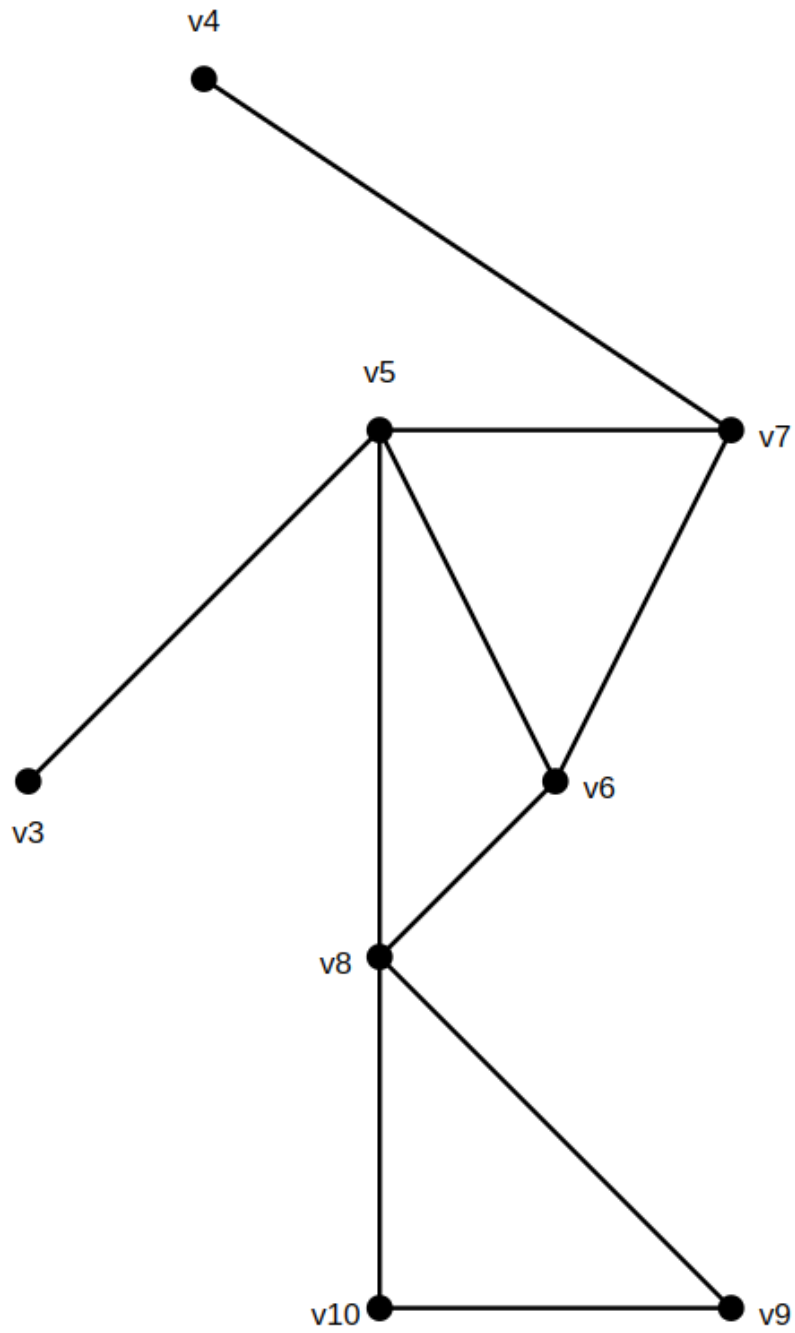
after 2. iteration:

- v1 was deleted.
- S and U are not updated since  $11/9 < 13/10$



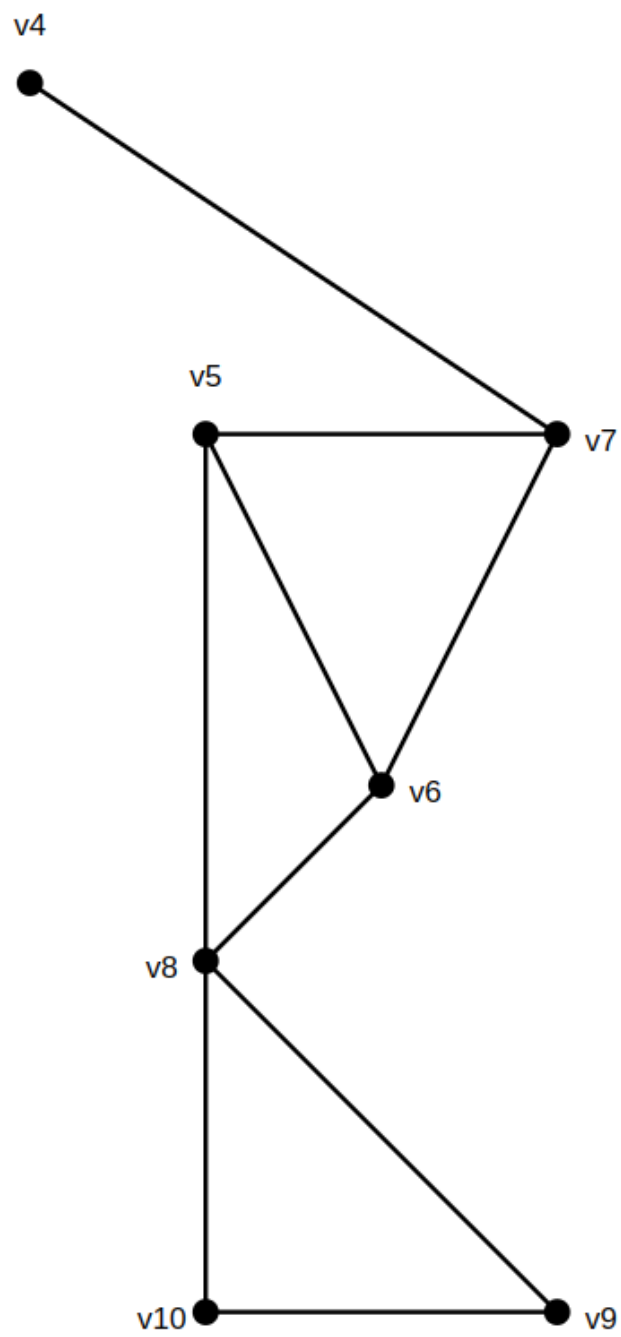
**after 3. iteration:**

- v2 was deleted.
- S and U are not updated since  $10/8 < 13/10$



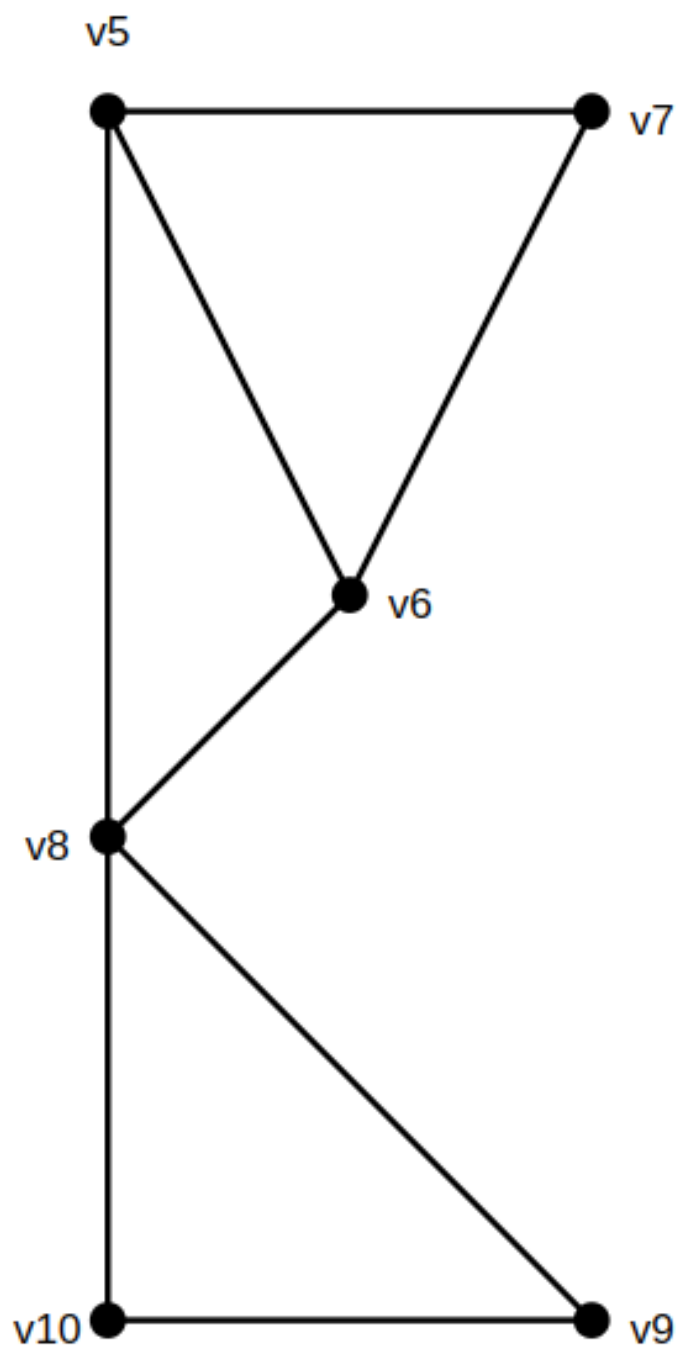
**after 4. iteration:**

- v3 was deleted.
- S and U are not updated since  $9/7 < 13/10$



**after 5. iteration:**

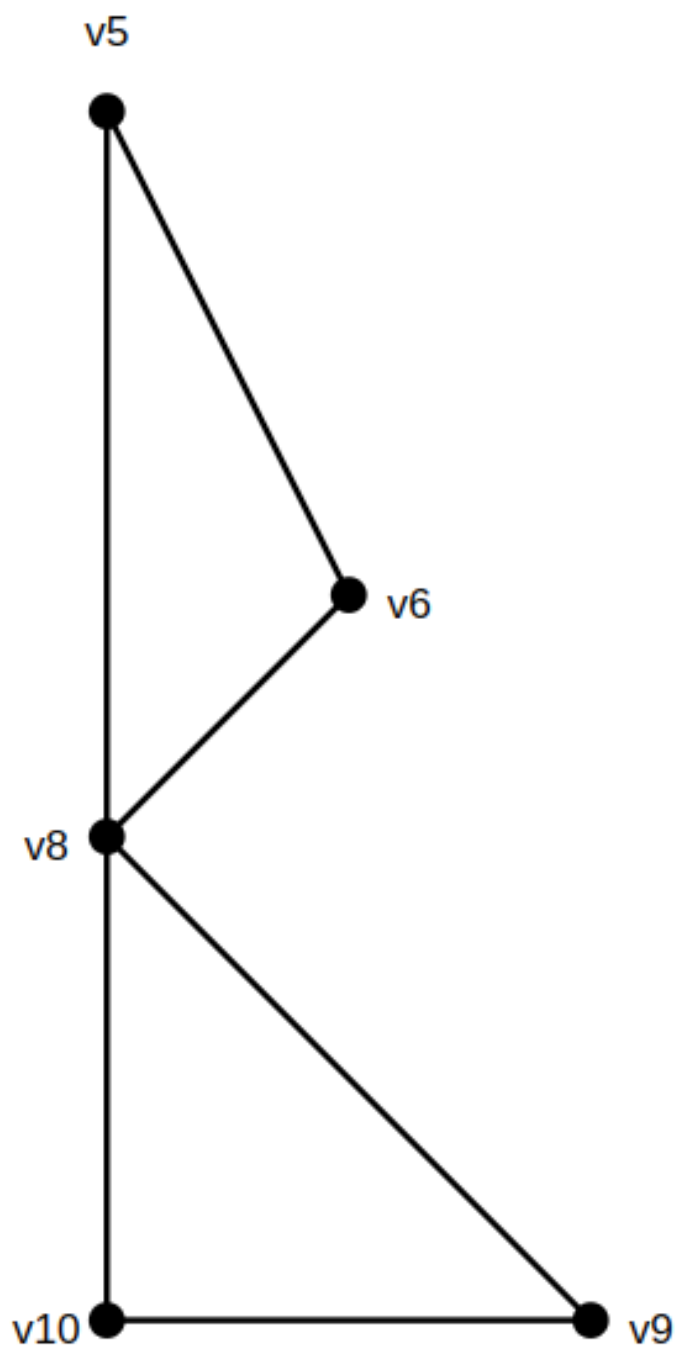
- v4 was deleted.
- S and U are updated since  $8/6 > 13/10$



**after 6. iteration:**

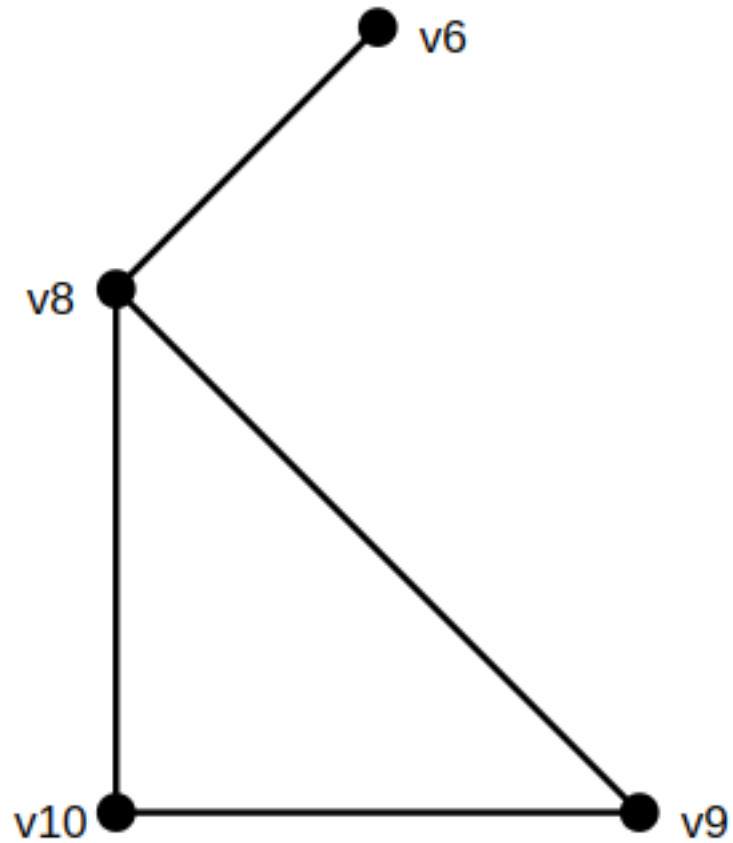
- v7 was deleted.
- S and U are not updated since  $6/5 < 8/6$





**after 7. iteration:**

- v5 was deleted.
- S and U are not updated since  $4/4 < 8/6$



**after 8. iteration:**

- v6 was deleted.
- S and U are not updated since  $3/3 < 8/6$

**after 9. iteration:**

- v8 was deleted.
- S and U are not updated since  $1/2 < 8/6$

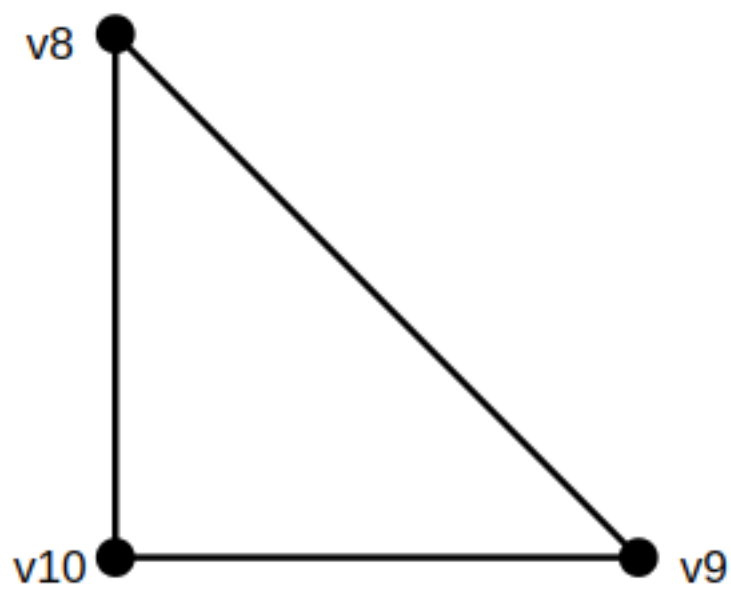
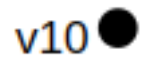


Figure 1: image



**after 10. iteration:**

- v9 was deleted.
- S and U are not updated since  $0 < 8/6$



=> returned S is  $\{v5, v6, v7, v8, v9, v10\}$