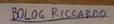
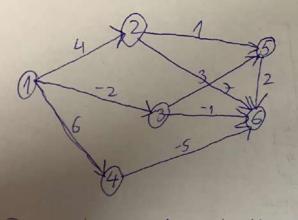
| Topological nort using predecessor counting algorithm:    Imput file: 1/2 2 46 4 |                |           |                            |  | BOLOG RICCARDO 911 |                    |
|--|----------------|-----------|----------------------------|--|--------------------|--------------------|
| imitialization   | cunnent vertex | neighbour | count: dict                | 9: gneue =================================== | sorted-list list   | MANAGED IN         |
| iteration 1  | @1             | 2 4 3     | 12345678                   | €243€  | [1]                |                    |
| iteration 2  | 2              | 56        | 00000223                   | E435E  | [1,2]              | THE REAL PROPERTY. |
| iteration 3  | 4              | 7         | 112345678                  | € 3 5 €                                      | [1,2,4]            |                    |
| literation 4   | 3              | 6 7       | 112 34 56 HE<br>00 0000003 | € 5 6 7 €                                    | (1,2,4,3,5)        |                    |
| iteration 5  | 5              | 8         | -11-                       | £ 5 7 5                                      | [1,2,4,3,5,6]      | _                  |
| iteration 7  | 7              | 8         | 000000000                  | €8€  | (1,2,4,3,5,6,7)    |                    |





Topological orders:

1. 1, 2, 3, 4, 5, 6

2. 1,3,2,4,5,6

3. 1,2,4,3,5,6

4, 4,3,4,2,5,6

5. 1,4,2,3,5,6

6. 1,4, 3, 2,5,6

From 1 to 6: lighest cost path = [1,2,6] , cost=11

From 1 to 5: lighest cost poth=[1,2,5]: cost=5

nom 3 to 6: highest cost poth=[3,5,6], cost=5

("purper")