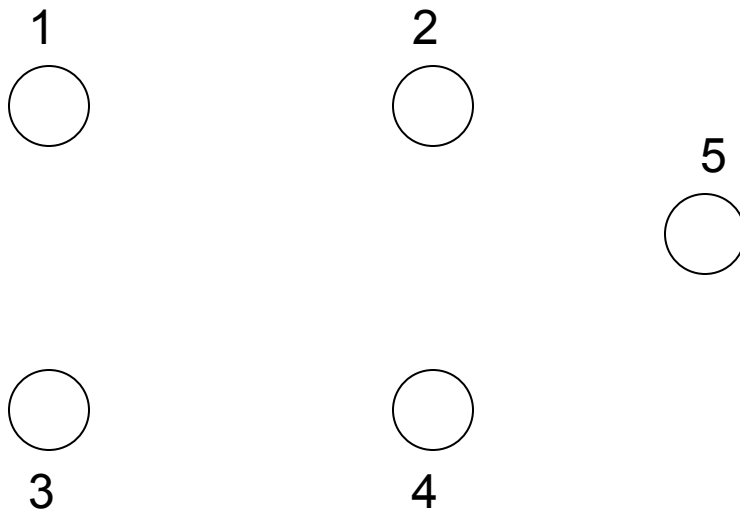
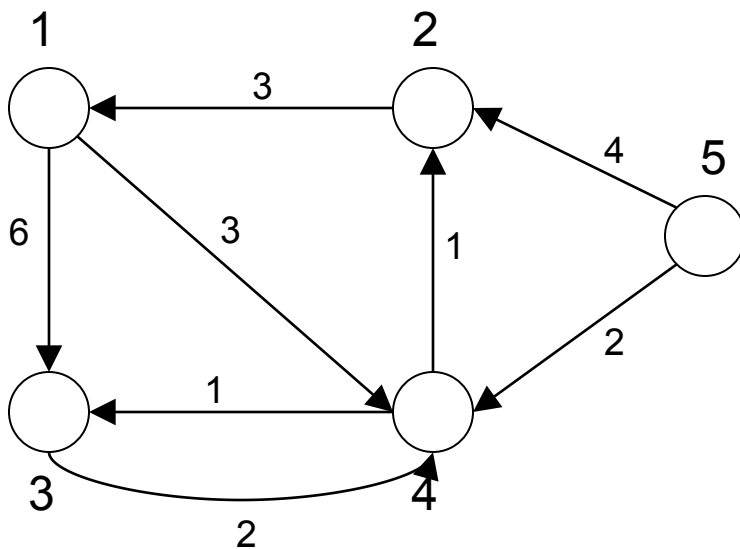


(1,3)=6
 (1,4)=3
 (2,1)=3
 (3,4)=2
 (4,2)=1
 (4,3)=1
 (5,2)=4
 (5,4)=2




Q

u.d	u	u.π

if $v.d > u.d + w(u, v) \Rightarrow$
 $v.d = u.d + w(u, v)$
 $v.\pi = u$


Q


u.d	u	u.π


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
2


5




3



4

1


2


5



3



4


Q

u.d	u	u. π


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
u.d	u	u. π


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
2


5




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

4

1


2


5



3



4

Q

u.d	u	u. π


Q


u.d	u	u. π


1



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5




3



4

1


2


5



3


4

Q

u.d	u	u. π

Q

u.d	u	u. π