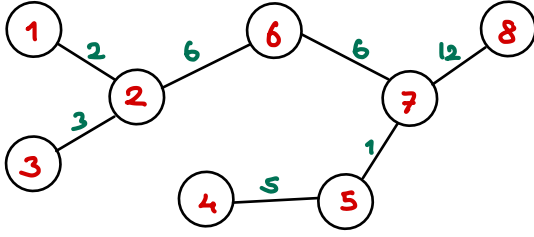


Muhammed Nasr Sabir

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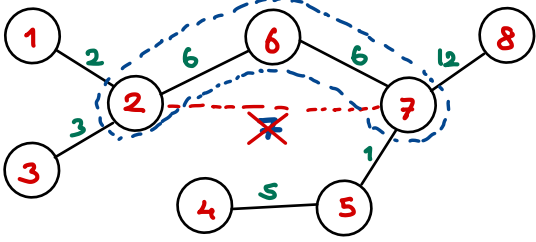
*Nasr*



Kullanıcıdan yukarıda verilen graf yapısını alıp ekrana yazdırıyoruz.

Yeni edge → 2'den 7'ye 7 ağırlıkta.

Ağac yapısının 2'den 7'ye giden bir path buluyoruz.

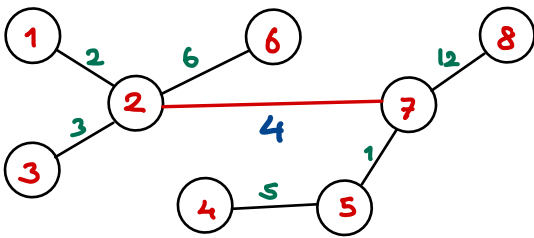


```
Please enter the new Edge: 7
From where: 2
To where: 7

The new edge values are not minimizing the spanning tree. Thats why MST did not updated.
From: 5 To: 7 Weight: 1
From: 1 To: 2 Weight: 2
From: 3 To: 2 Weight: 3
From: 4 To: 5 Weight: 5
From: 2 To: 6 Weight: 6
From: 6 To: 7 Weight: 6
From: 7 To: 8 Weight: 12
Process finished with exit code 0
```

Yeni edge değeri bulunan path'teki max edge değerinden büyük ise güncellenen yapıyoruz.

Eğer edge değeri bulunan path'teki max edge değerinden küçük ise, max edge bağlantısı kaldırılır ve yeni bağlantı ağac yapısına eklenir.



Yeni edge : 4 2'den 7'ye

```
Please enter the new Edge: 4
From where: 2
To where: 7

From: 5 To: 7 Weight: 1
From: 1 To: 2 Weight: 2
From: 3 To: 2 Weight: 3
From: 2 To: 7 Weight: 4
From: 4 To: 5 Weight: 5
From: 2 To: 6 Weight: 6
From: 7 To: 8 Weight: 12
Process finished with exit code 0
```