

Eccentricity

16.05.2021

```
for (i=0;i<n;i++)
{
    for (j=0;j<n;j++)
    {
        if (j==0) enb=d[i][j];
        if ( d[i][j] >= enb ) enb=d[i][j];
    }
    e[i][0]=enb;
```

```
printf ("\n");
printf ("Tum tepelerin eccentricity degerleri\n");
```

```
for (i=0;i<n;i++)
{
    for (j=0;j<1;j++)
    {
        printf ("%d---> %d",i+1, e[i][j]);
```

```
}printf ("\n");}
```

Cıoρ

```
for (i=0 ; i<n ; i++)
{
    if (i==0) enb = e[i][0];
    if (e[i][0] > enb) enb = e[i][0];
}
```

```
printf ('grafın maxı = %d' , enb );
```

```
for (i=0 ; i<n ; i++)
{
    if (e[i][0] == enb) printf ('%d kyi tepe',
                                e[i][0]);
}
```

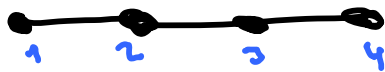
your code

```
for (i = 0; i < n; i++)  
{  
    if (i == 0) enk = e[i][0];  
    if (e[i][0] < enk) enk = e[i][0];  
}  
printf ("greatest = %d", enk);
```

```
for (i = 0; i < n; i++)  
{  
    if (e[i][0] == enk) printf ("%d kya hai",  
                                e[i][0]);  
}
```

①

P_n grafinin göresi ve yolları nedir?

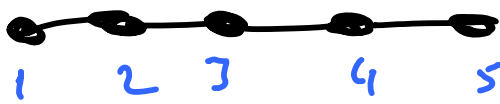


P_4

$$\begin{aligned} e(1) &= 3 \\ e(2) &= 2 \\ e(3) &= 2 \\ e(4) &= 3 \end{aligned}$$

$$\text{diam}(P_4) = 3$$

$$r(P_4) = 2$$



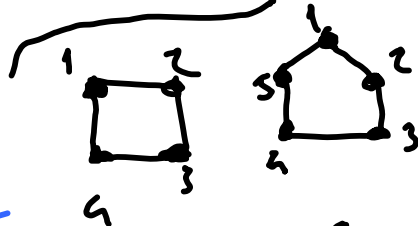
P_5

$$\begin{aligned} e(1) &= e(5) = 4 & \text{diam}(P_5) &= 4 \\ e(2) &= e(4) = 3 & r(P_5) &= 2 \\ e(3) &= 2 \end{aligned}$$

$$\text{diam}(P_n) = ? \quad r(P_n) = ?$$

$$\text{diam}(P_n) = n-1 \quad r(P_n) = \left\lfloor \frac{n}{2} \right\rfloor \rightarrow \text{orta yuvarlagor.}$$

ecc. 2



$$\begin{aligned} \left\lfloor \frac{5}{2} \right\rfloor &= \lfloor 2.5 \rfloor = 2 \\ \left\lfloor \frac{4}{2} \right\rfloor &= \lfloor 2 \rfloor = 2 \end{aligned}$$

Gelisme Soruları

C_n için eccentricity soruları.

$$1) \text{diam}(C_n)? \quad r(C_n) = ? \quad \text{diam}(C_n) = r(C_n) = ? \quad \left\lfloor \frac{n}{2} \right\rfloor$$

$$2) \text{diam}(K_n)? \quad r(K_n) = ?$$

$$3) \text{diam}(K_{1,n})? \quad r(K_{1,n}) = ?$$

$$4) \text{diam}(W_{2,n})? \quad r(W_{2,n}) = ?$$

