



Maths - 11/12 - 2019

$H_1 \cup H_2 = H$

$H_1 \cap H_2 = \emptyset$

Let $H_1 = \{x \in H : x \text{ is even}\}$ and $H_2 = \{x \in H : x \text{ is odd}\}$

Then $H_1 \cup H_2 = H$

and $H_1 \cap H_2 = \emptyset$

Therefore H_1 and H_2 are disjoint

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Matheus Filipe Moreira Silva - 2114156

```
#include <stdio.h>
```

```
#include <math.h>
```

```
void menor_maior(float n1, float n2, float n3, float *maior, float *menor)
```

```
{
```

```
    float n1, n2, n3;
```

```
    float maior, menor;
```

```
    printf("Digite os 3 numeros"); scanf("%f %f %f", &n1, &n2, &n3);
```

```
    menor_maior(n1, n2, n3, &maior, &menor);
```

```
    printf("maior: %f\n menor: %f", maior, menor);
```

```
    return 0;
```

```
}
```

```
void menor_maior(float n1, float n2, float n3, float *maior, float *menor)
```

```
{
```

```
    if (n1 > n2 && n1 > n3)
```

```
        *maior = n1;
```

```
        if (n2 < n3)
```

```
            *menor = n2;
```

```
        else
```

```
            *menor = n3;
```

```
    }
```

```
    if (n2 > n1 && n2 > n3)
```

```
        *maior = n2;
```

```
        if (n1 < n3)
```

```
            *menor = n1;
```

```
        else
```

```
            *menor = n3;
```

```
    }
```

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```
if (n3 >= n2 && n3 > n1) {
```

```
    *maior = n3;
```

```
    if (n2 <= n1)
```

```
        *menor = n2;
```

```
    else
```

```
        *menor = n1;
```

```
}
```

```
}
```

