TIPI FUNZIONE

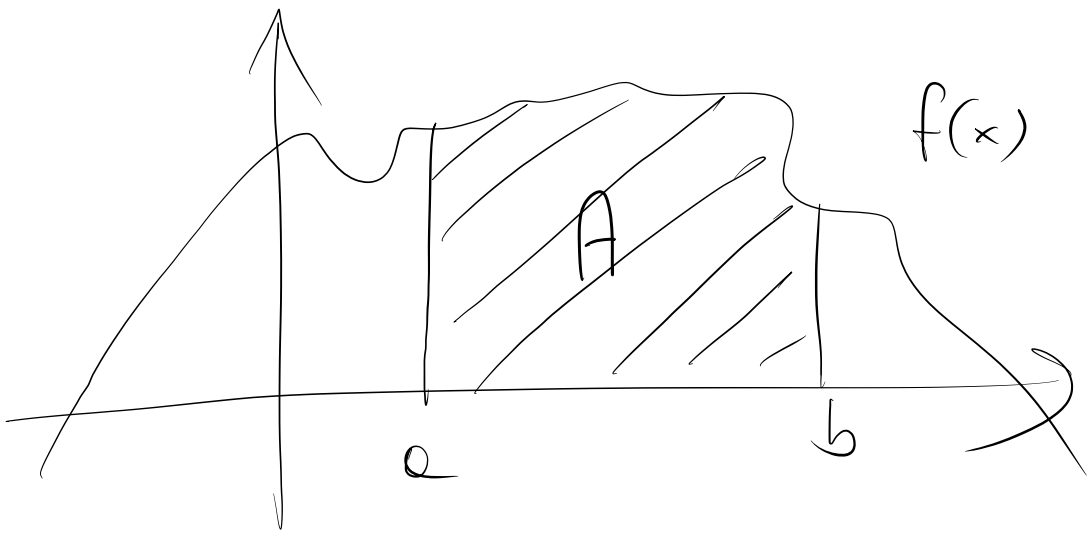
```
func pippo(x int, y float64) bool {

}
```

TIPO

```
func(int, float64) bool
```

```
func main() {
    var f func(int, float64) bool
    f = pippo
    if f(3, 4.5) {
        ...
    }
}
```

INTEGRAZIONE DEFINITA



$$A = \int_a^b f(x)\,dx$$

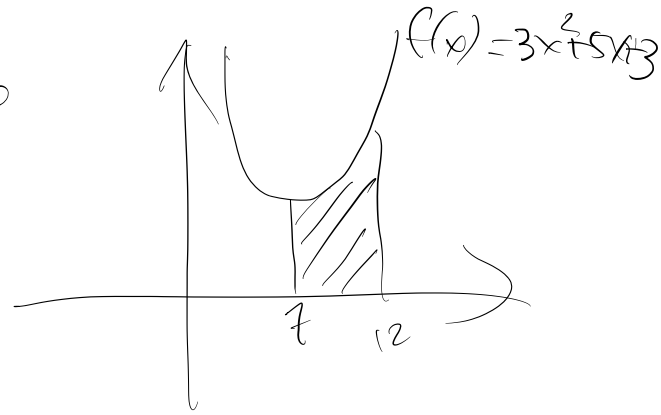
$$F' = f(x)$$

F t.c.

$$\boxed{\text{Teorema Fond. dell'Analisi}}$$

$$\int_a^b f(x)\,dx = F(b) - F(a)$$

$$A = \int_7^{12} \underbrace{(3x^2 + 5x + 3)}\,dx$$



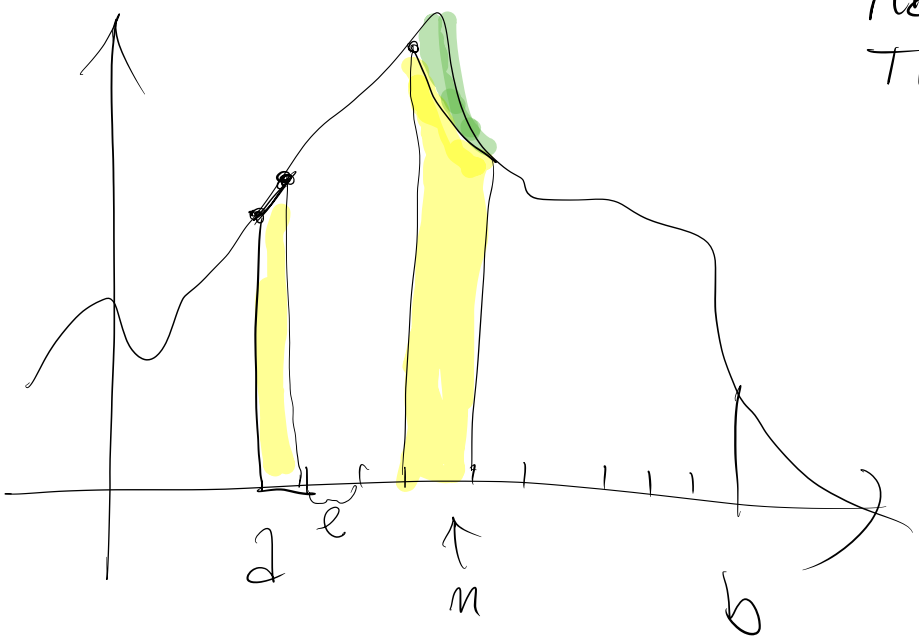
$$F(x) = x^3 + \frac{5}{2}x^2 + 3x$$

$$A = F(12) - F(7) =$$

$$= \left(12^3 + \frac{5}{2}12^2 + 3\cdot 12\right) - \left(7^3 + \frac{5}{2}7^2 + 3\cdot 7\right)$$

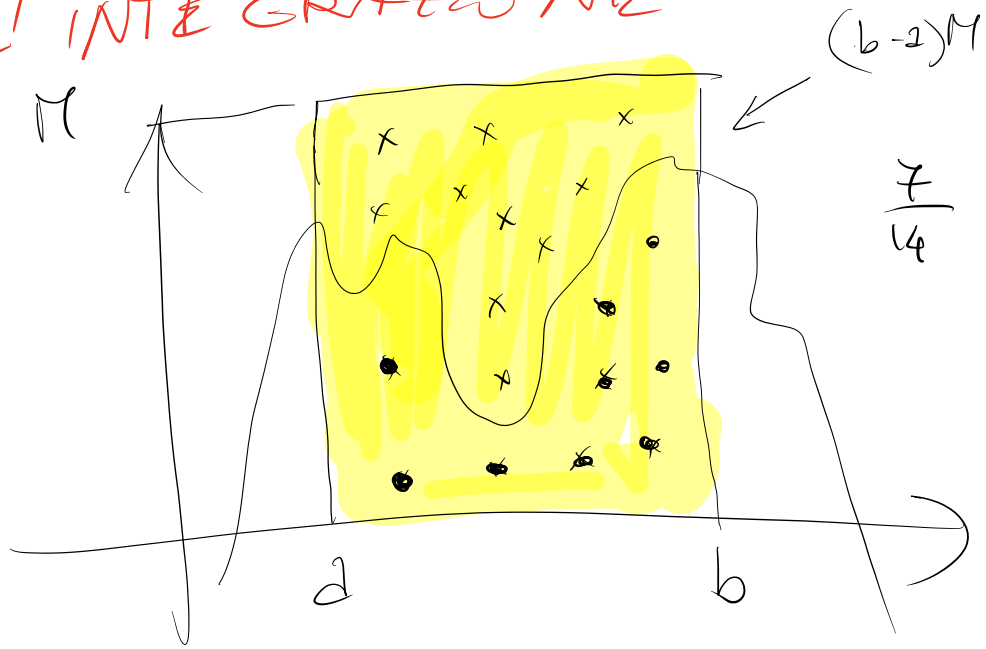
METODI DI INTEGRAZIONE NUMERICA

METODO DEI TRAPEZOIDI



$$h = \frac{b-a}{n}$$

METODO MONTECARLO PER L'INTEGRAZIONE



$\frac{7}{14}$

INTERFACE

```
var l *Node
l = l.addFirst(5)
l.Print()
```

TIPO → METODI

```
var x,y interface {func Print()}

var z interface{}
```

func f(a float64, x interface{})

---

func f(a float64, $\underbrace{x \text{ int} \ldots}_{d}$)