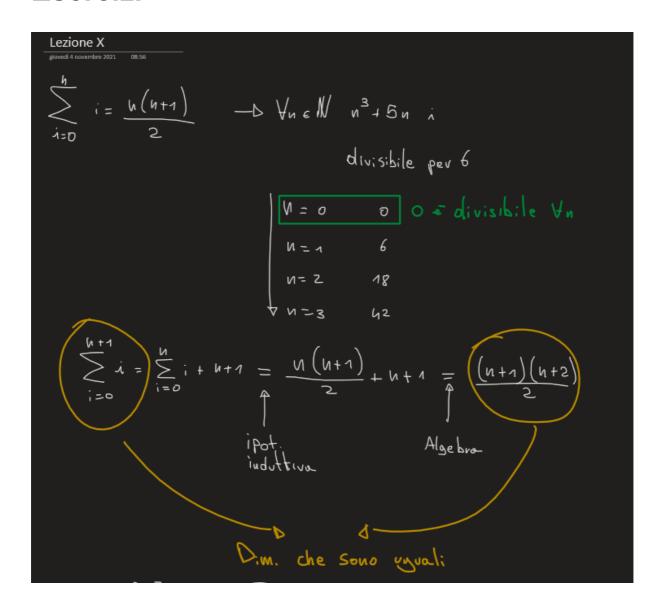
Lezione 8

Esercizi

Esercizi



Lezione 8

Somma engol:

$$(N+1)^3 + 6(N+1) = N^3 + 3N^2 + 3N + 7 + 5N + 6 = (N^3 + 6N)(3N^2 + 3N + 6)$$

Somma engol:

 180°
 360°
 360°
 360°
 360°
 300°
 3000°
 30000°
 30000°
 3000

$$\begin{cases} S(n) = 0 & 0 & 0 \\ S(n+1) = S(n) + 2n + 2 & 1 & 2 \\ S(n) = S(n) + 2n + 2 & 1 & 2 \\ S(n) = S(n) = S(n+1) & 3 & 12 \\ S(n) = S(n) + 2n + 2 & S(n+1) + 2n + 2 & S(n+1) + 2(n+1) = (n+1)(n+2) \\ S(n+1) = S(n) + 2n + 2 & S(n) + 2n + 2 & S(n+1) + 2(n+1) = (n+1)(n+2) \\ S(n+1) = S(n) + 2n + 2 & S(n) + 2n + 2 & S(n) + 2n + 2 & S(n) + 2(n+1) = (n+1)(n+2) \\ S(n+1) = S(n) + 2n + 2 & S(n) + 2n + 2n + 2 & S(n) + 2n + 2 & S(n$$

Signo
$$x,y \in \mathbb{N}$$
 $x > y$

$$\begin{cases}
S(n) = \frac{x^n - y^n}{x - y} \\
S(n) = \frac{0}{x - y}
\end{cases}$$

$$\begin{cases}
S(n) = \frac{x^{n+1} - y^{n+1}}{x - y} = (x^n x) - (y^n y) = x^n x - y^n y + xy^n - xy^n = x^n y + xy^n - xy^n + xy^n - xy^n = x^n y + xy^n - xy^n xy^n -$$