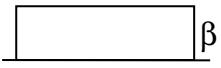
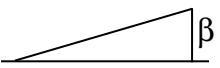
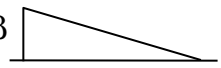
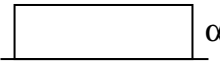
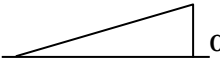
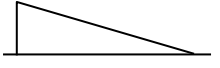


INTEGRALI DI ALCUNE FUNZIONI POLINOMIALI

La tabella mostra il valore del coefficiente  $C$  che compare nel risultato dell'integrale:  $\int_0^L M^*(z) \frac{M^0(z)}{EI} dx = C \alpha \beta L$

<div>M*(x) \ M^0(x)/EI</div>	<div> <math>\beta</math></div>	<div> <math>\beta</math></div>	<div><div><math>\beta</math></div></div>
<div> <math>\alpha</math></div>	1	$\frac{1}{2}$	$\frac{1}{2}$
<div> <math>\alpha</math></div>	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{6}$
<div><div><math>\alpha</math></div></div>	$\frac{1}{2}$	$\frac{1}{6}$	$\frac{1}{3}$

FORMULA DI CAVALIERI-SIMPSON

$$P(z) = C_0 + C_1 z + C_2 z^2 + C_3 z^3$$

$$I = \int_a^b P(z) dz = \frac{b-a}{6} \left[ P(a) + 4P\left(\frac{a+b}{2}\right) + P(b) \right]$$