## INTEGRALE EULERIENE

$$\Pi(a) = \int_{\mathcal{X}} x^{a-j} e^{-x} e^{-x} (x, a > 0)$$

Proprietati

[2] Integral leta
$$\{5(q, k) = \int_{0}^{\infty} x^{\alpha-1} \cdot (1-x)^{k-1} x, \quad \alpha > 0, \quad k > 0\}$$

Irogaio tati

1) 
$$\beta(a, k) = \beta(k, a) + a, k>0$$
  
2)  $\beta(a, k) = \frac{\prod(a) \cdot \prod(k)}{\prod(a+k)} + a, k>0$ 

3) 
$$\beta(a, k) = \int_{0}^{\infty} \frac{\pi^{\alpha-1}}{(1+\pi)^{\alpha+k}} d\pi$$
,  $\pi(k) < 0$