2° HATÁROZATLAN INTEGRÁLOK TÁBLÁZATA (I.)

0. $\int \mathrm{d}x = x + C$

1.	$\int x^n \mathrm{d}x = \frac{x^{n+1}}{n+1} + C$	$x \in \mathbf{R},\ n \in \mathbf{N}$
2.	$\int x^a \mathrm{d}x = \frac{x^{a+1}}{a+1} + C$	$x \in (0, +\infty),\ a \in \mathbf{R} \setminus \{-1\}$
3.	$\int \frac{1}{x} \mathrm{d}x = \ln\lvert x\rvert + C$	$x \in I \subset \mathbf{R}^*$
4.	$\int a^x \mathrm{d}x = \frac{a^x}{\ln a} + C$; $\int e^x \mathrm{d}x = e^x + C$	$x \in \mathbf{R},\ a > 0,\ a \neq 1$
5.	$\int \frac{1}{x^2 + a^2} \mathrm{d}x = \frac{1}{a} \operatorname{arctg} \frac{x}{a} + C$	$x \in \mathbf{R},\ a \neq 0$
6.	$\int \frac{1}{x^2 - a^2} \mathrm{d}x = \frac{1}{2a} \ln\left\lvert\frac{x-a}{x+a}\right\rvert + C$	$x \in I \subset \mathbf{R} \setminus \{-a, a\},\ a \neq 0$
7.	$\int \sin x \mathrm{d}x = -\cos x + C$	$x \in \mathbf{R}$
8.	$\int \cos x \mathrm{d}x = \sin x + C$	$x \in \mathbf{R}$
9.	$\int \frac{1}{\cos^2 x} \mathrm{d}x = \operatorname{tg} x + C$	$x \in I \subset \mathbf{R} \setminus \{(2k+1)\frac{\pi}{2} \mid k \in \mathbf{Z}\}$
10.	$\int \frac{1}{\sin^2 x} \mathrm{d}x = -\operatorname{ctg} x + C$	$x \in I \subset \mathbf{R} \setminus \{k\pi \mid k \in \mathbf{Z}\}$
11.	$\int \operatorname{tg} x \mathrm{d}x = -\ln\lvert\cos x\rvert + C$	$x \in I \subset \mathbf{R} \setminus \{(2k+1)\frac{\pi}{2} \mid k \in \mathbf{Z}\}$
12.	$\int \operatorname{ctg} x \mathrm{d}x = \ln\lvert\sin x\rvert + C$	$x \in I \subset \mathbf{R} \setminus \{k\pi \mid k \in \mathbf{Z}\}$
13.	$\int \frac{1}{\sqrt{a^2 - x^2}} \mathrm{d}x = \arcsin \frac{x}{a} + C$	$x \in I \subset (-a, a),\ a > 0$
14.	$\int \frac{1}{\sqrt{x^2 + a^2}} \mathrm{d}x = \ln(x + \sqrt{x^2 + a^2}) + C$	$x \in \mathbf{R},\ a \neq 0$
15.	$\int \frac{1}{\sqrt{x^2 - a^2}} \mathrm{d}x = \ln\lvert x + \sqrt{x^2 - a^2}\rvert + C$	$x \in I \subset (-\infty, -a)$ vagy $x \in I \subset (a, +\infty),\ a > 0$

HATÁROZATLAN INTEGRÁLOK TÁBLÁZATA (II.)

1.	$\int \varphi^n(x)\varphi'(x)\mathrm{d}x = \frac{\varphi^{n+1}(x)}{n+1} + C$	$n \in \mathbf{N}$
2.	$\int \varphi^a(x)\varphi'(x)\mathrm{d}x = \frac{\varphi^{a+1}(x)}{a+1} + C$	$\varphi(I) \subset (0,\ +\infty),\ a \in \mathbf{R} \setminus \{-1\}$
3.	$\int \frac{\varphi'(x)}{\varphi(x)}\mathrm{d}x = \ln\lvert\varphi(x)\rvert + C$	$\varphi(x) \neq 0,\ \forall x \in I$
4.	$\int a^{\varphi(x)}\varphi'(x)\mathrm{d}x = \frac{a^{\varphi(x)}}{\ln a} + C$	$a > 0,\ a \neq 1$
5.	$\int \frac{\varphi'(x)}{\varphi^2(x)+a^2}\mathrm{d}x = \frac{1}{a}\operatorname{arctg}\frac{\varphi(x)}{a} + C$	$a \neq 0$
6.	$\int \frac{\varphi'(x)}{\varphi^2(x)-a^2}\mathrm{d}x = \frac{1}{2a}\ln\left\lvert\frac{\varphi(x)-a}{\varphi(x)+a}\right\rvert + C$	$\varphi(x) \neq \pm a,\ \forall x \in I,\ a \neq 0$
7.	$\int [\sin\varphi(x)]\varphi'(x)\mathrm{d}x = -\cos\varphi(x) + C$	
8.	$\int [\cos\varphi(x)]\varphi'(x)\mathrm{d}x = \sin\varphi(x) + C$	
9.	$\int \frac{\varphi'(x)}{\cos^2\varphi(x)}\mathrm{d}x = \operatorname{tg}\varphi(x) + C$	$\varphi(x) \notin \{(2k+1)\frac{\pi}{2} \mid k \in \mathbf{Z}\},\ \forall x \in I$
10.	$\int \frac{\varphi'(x)}{\sin^2\varphi(x)}\mathrm{d}x = -\operatorname{ctg}\varphi(x) + C$	$\varphi(x) \notin \{k\pi \mid k \in \mathbf{Z}\},\ \forall x \in I$
11.	$\int [\operatorname{tg}\varphi(x)]\varphi'(x)\mathrm{d}x = -\ln\lvert\cos\varphi(x)\rvert + C$	$\varphi(x) \notin \{(2k+1)\frac{\pi}{2} \mid k \in \mathbf{Z}\},\ \forall x \in I$
12.	$\int [\operatorname{ctg}\varphi(x)]\varphi'(x)\mathrm{d}x = \ln\lvert\sin\varphi(x)\rvert + C$	$\varphi(x) \notin \{k\pi \mid k \in \mathbf{Z}\},\ \forall x \in I$
13.	$\int \frac{\varphi'(x)}{\sqrt{a^2-\varphi^2(x)}}\mathrm{d}x = \arcsin\frac{\varphi(x)}{a} + C$	$\varphi(I) \subset (-a,\ a),\ a > 0$
14.	$\int \frac{\varphi'(x)}{\sqrt{\varphi^2(x)+a^2}}\mathrm{d}x = \ln\left(\varphi(x) + \sqrt{\varphi^2(x)+a^2}\right) + C$	$a \neq 0$
15.	$\int \frac{\varphi'(x)}{\sqrt{\varphi^2(x)-a^2}}\mathrm{d}x = \ln\lvert\varphi(x) + \sqrt{\varphi^2(x)-a^2}\rvert + C$	$\varphi(I) \subset (-\infty,\ -a)$ vagy $\varphi(I) \subset (a,\ +\infty),\ a > 0$