

Eksponentne enačbe

VB2 - 102/1069a	$2^{x-3} = 16$	1
VB2 - 103/1069b	$\left(\frac{2}{3}\right)^{2x} = \frac{16}{81}$	2
VB2 - 103/1069c	$9^{-3x} = \left(\frac{1}{27}\right)^{x+3}$	3
VB2 - 103/1070a	$16^{\frac{1}{x}} = 4^{\frac{x}{2}}$	4
VB2 - 103/1070b	$100 \cdot 10^{2x-2} = 1000^{\frac{x+1}{9}}$	5
VB2 - 103/1071a	$\left(\frac{1}{4}\right)^5 = 4^{\frac{5x-3}{3}} \cdot \left(\frac{1}{8}\right)^6$	6
VB2 - 103/1071b	$4^{x+1} + 4^x = 320$	7
VB2 - 103/1072a	$2 \cdot 3^{x+1} - 4 \cdot 3^{x-2} = 450$	8
VB2 - 103/1072b	$2^{3x-2} - 2^{3x-3} - 2^{3x-4} = 4$	9
VB2 - 103/1073	$2^{x-1} - 2^{x-3} = 3^{x-2} - 3^{x-3}$	10
VB2 - 103/1074	$3 \cdot 4^x + \frac{1}{3} \cdot 9^{x+2} = 6 \cdot 4^{x+1} - \frac{1}{2} \cdot 9^{x+1}$	11
VB2 - 103/1075	$3^{12x-1} - 9^{6x-1} - 27^{4x-1} + 81^{3x+1} = 2192$	12
VB2 - 103/1076a	$5^x - 5^{3-x} = 20$	13
VB2 - 103/1076b	$5^{2x-3} = 2 \cdot 5^{x-2} + 3$	14
VB2 - 103/1077a	$4^x = 2^{\frac{x+1}{x}}$	15
VB2 - 103/1077b	$2^{\frac{x+1}{x}} \cdot \left(\frac{1}{2}\right)^{x+1} = 1$	16
VB2 - 103/1078	$0,5^{x^2-20x+61,5} = \frac{8}{\sqrt{2}}$	17
VB2 - 103/1079	$(11^x - 11)^2 = 11^x + 99$	18
VB2 - 103/1080	$2^{x^2-3} \cdot 5^{x^2-3} = 0,01 \cdot (10^{x-1})^3$	19
VB2 - 103/1081	$4^{\sqrt{x-2}} + 16 = 10 \cdot 2^{\sqrt{x-2}}$	20

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VB2 - 103/1082	$25^{\sqrt{x}} - 124 \cdot 5^{\sqrt{x}} = 125$	21
VB2 - 103/1083*	$4^{x+\sqrt{x^2-2}} - 5 \cdot 2^{x-1+\sqrt{x^2-2}} = 6$	22
VB2 - 103/1084	$2^{3x} \cdot 3^x - 2^{3x-1} \cdot 3^{x+1} = -288$	23
VB2 - 103/1085*	$4^x - 3^{x-\frac{1}{2}} = 3^{x+\frac{1}{2}} - 2^{2x-1}$	24
VB2 - 103/1086	$(2\sqrt{12} + 3\sqrt{3} + 6\sqrt{\frac{1}{3}})^{\frac{1}{5}} = \sqrt{3^{2x^2-2x-2}}$	25
VB2 - 103/1087*	$(\sqrt{2-\sqrt{3}})^x + (\sqrt{2+\sqrt{3}})^x = 4$	26
VB2 - 103/1088*	$(\sqrt{7+\sqrt{48}})^x + (\sqrt{7-\sqrt{48}})^x = 14$	27
VB2 - 103/1089	$20^x - 6 \cdot 5^x + 10^x = 0$	28
VB2 - 103/1090	$10^{\frac{2}{x}} + 25^{\frac{1}{x}} = 4,25 \cdot 50^{\frac{1}{x}}$	29
VB2 - 104/1091*	$3^{\frac{x-1}{2}} - 2^{\frac{x+1}{3}} = 2^{\frac{x-2}{3}} + 3^{\frac{x-3}{2}}$	30
VB2 - 104/1092*	$5^{\frac{x+1}{5}} - 4^{\frac{2x-5}{3}} = 5^{\frac{2x-3}{5}} + 4^{\frac{2x-2}{3}}$	31
VB2 - 104/1093*	$\sqrt{3} \cdot 3^{\frac{x}{1+\sqrt{x}}} \cdot \left(\frac{1}{3}\right)^{\frac{2+\sqrt{x}+x}{2(1+\sqrt{x})}} = 81$	32
VB2 - 104/1094*	$\sqrt{2^x} \cdot \sqrt[3]{4^x} \cdot \sqrt[3]{0,125} = 4 \cdot \sqrt[3]{2}$	33
VB2 - 104/1095*	$\sqrt{2} \cdot 0,5^{\frac{5}{4\sqrt{x+10}}} = 4^{\frac{1}{\sqrt{x+1}}}$	34
VB2 - 104/1096*	$8^{\frac{x-3}{3x-7}} \cdot \sqrt[3]{x-1} \sqrt[3]{0,5^{3x-1}} = 1$	35
VB2 - 104/1097	$2^{2x+1} - 33 \cdot 2^{x-1} + 4 = 0$	36
VB2 - 104/1098	$6 \cdot 9^x - 13 \cdot 6^x + 6 \cdot 4^x = 0$	37
VB2 - 104/1099*	$2(x+1)(2x+1)^x - (x-1)^x = (2x+1)^{x+1}$	38
VB2 - 104/1100	$3^{x-1} + 3^{x-2} + 3^{x-3} + 3^{x-4} + 3^{x-5} + 3^{x-6} = 364$	39
VB2 - 104/1101	$2^{4x} + 2^{4x-1} + 4^{2x-1} + 2^{4x-3} + 16^{x-1} = 314$	40