

This table gives all integral significands Y of decimal64 floating-point numbers y , and the parity of the exponent e_y , such that $z = 1/\sqrt{y}$ is a floating point number in decimal64 format.

Y	$1/\sqrt{Y} \cdot 10^{e_y-p+1}$	e_y
$2^{15} \cdot 5^{15} = 1000000000000000$	$1.0000000000000000 \cdot 10^0$	even
$2^{45} \cdot 5^3 = 4398046511104000$	$4.768371582031250 \cdot 10^{-1}$	even
$2^{43} \cdot 5^3 = 1099511627776000$	$9.536743164062500 \cdot 10^{-1}$	even
$2^{41} \cdot 5^5 = 6871947673600000$	$3.814697265625000 \cdot 10^{-1}$	even
$2^{39} \cdot 5^5 = 1717986918400000$	$7.629394531250000 \cdot 10^{-1}$	even
$2^{35} \cdot 5^7 = 2684354560000000$	$6.103515625000000 \cdot 10^{-1}$	even
$2^{31} \cdot 5^9 = 4194304000000000$	$4.882812500000000 \cdot 10^{-1}$	even
$2^{29} \cdot 5^9 = 1048576000000000$	$9.765625000000000 \cdot 10^{-1}$	even
$2^{27} \cdot 5^{11} = 6553600000000000$	$3.906250000000000 \cdot 10^{-1}$	even
$2^{25} \cdot 5^{11} = 1638400000000000$	$7.812500000000000 \cdot 10^{-1}$	even
$2^{21} \cdot 5^{13} = 2560000000000000$	$6.250000000000000 \cdot 10^{-1}$	even
$2^{17} \cdot 5^{15} = 4000000000000000$	$5.000000000000000 \cdot 10^{-1}$	even
$2^{13} \cdot 5^{17} = 6250000000000000$	$4.000000000000000 \cdot 10^{-1}$	even
$2^{11} \cdot 5^{17} = 1562500000000000$	$8.000000000000000 \cdot 10^{-1}$	even
$2^9 \cdot 5^{19} = 9765625000000000$	$3.200000000000000 \cdot 10^{-1}$	even
$2^7 \cdot 5^{19} = 2441406250000000$	$6.400000000000000 \cdot 10^{-1}$	even
$2^3 \cdot 5^{21} = 3814697265625000$	$5.120000000000000 \cdot 10^{-1}$	even
$2^{46} \cdot 5^2 = 1759218604441600$	$2.384185791015625 \cdot 10^{-1}$	odd
$2^{42} \cdot 5^4 = 2748779069440000$	$1.907348632812500 \cdot 10^{-1}$	odd
$2^{38} \cdot 5^6 = 4294967296000000$	$1.525878906250000 \cdot 10^{-1}$	odd
$2^{36} \cdot 5^6 = 1073741824000000$	$3.051757812500000 \cdot 10^{-1}$	odd
$2^{34} \cdot 5^8 = 6710886400000000$	$1.220703125000000 \cdot 10^{-1}$	odd
$2^{32} \cdot 5^8 = 1677721600000000$	$2.441406250000000 \cdot 10^{-1}$	odd
$2^{28} \cdot 5^{10} = 2621440000000000$	$1.953125000000000 \cdot 10^{-1}$	odd
$2^{24} \cdot 5^{12} = 4096000000000000$	$1.562500000000000 \cdot 10^{-1}$	odd
$2^{22} \cdot 5^{12} = 1024000000000000$	$3.125000000000000 \cdot 10^{-1}$	odd
$2^{20} \cdot 5^{14} = 6400000000000000$	$1.250000000000000 \cdot 10^{-1}$	odd
$2^{18} \cdot 5^{14} = 1600000000000000$	$2.500000000000000 \cdot 10^{-1}$	odd
$2^{14} \cdot 5^{16} = 2500000000000000$	$2.000000000000000 \cdot 10^{-1}$	odd
$2^{10} \cdot 5^{18} = 3906250000000000$	$1.600000000000000 \cdot 10^{-1}$	odd
$2^6 \cdot 5^{20} = 6103515625000000$	$1.280000000000000 \cdot 10^{-1}$	odd
$2^4 \cdot 5^{20} = 1525878906250000$	$2.560000000000000 \cdot 10^{-1}$	odd
$2^2 \cdot 5^{22} = 9536743164062500$	$1.024000000000000 \cdot 10^{-1}$	odd
$2^0 \cdot 5^{22} = 2384185791015625$	$2.048000000000000 \cdot 10^{-1}$	odd