

15.1 Multiplication

$N \times N$ limb multiplications and squares are done using one of seven algorithms, as the size N increases.

Algorithm	Threshold
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Basecase	(none)
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Karatsuba	MUL_TOOM22_THRESHOLD
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Toom-3	MUL_TOOM33_THRESHOLD
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Toom-4	MUL_TOOM44_THRESHOLD
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Toom-6.5	MUL_TOOM6H_THRESHOLD
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Toom-8.5	MUL_TOOM8H_THRESHOLD
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FFT	MUL_FFT_THRESHOLD
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