= 1 for all n if b =
1
If the number b varies tending to 1 as the exponent tends to infinity then the limit is not necessarily one of those above . A particularly important case is
(1 + 1 / n) n ? e as n ? ?
See § The exponential function below .
Other limits , in particular of those that take on an indeterminate form , are described in § Limits of powers below .

= = Rational exponents = =