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Exponential triples

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Using ultrafilter techniques we show that in any partition of \$\mathb{N}\$ into 2 cells there is one cell containing infinitely many exponential triples, i.e. triples of the kind \$a,b,a^b\$ (with \$a,b>1\$). Also, we will show that any multiplicative \$IP^*\$ set is an "exponential \$IP\$ set", the analogue of an \$IP\$ set with respect to exponentiation.

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