```
/ · computation of
       the approximation of e./
(%i1) / · Use the definition of e · /
       a(n):=(1+1/n)^n;
(%01) a (n) := \left(1 + \frac{1}{n}\right)^n
(\%i2) / · a(n), n=9999,10000,10001 · /
       for n from 9999 step 1 thru 10001 do print(float(a(n)));
       2.718145913234948
       2.718145926825225
       2.718145940412784
(%o2) done
(%i3) float(%e);
(%03) 2.718281828459045
(%i4) / Use the Taylor expansion of e^1 \cdot /
       b(n):=sum(1/k!,k,0,n);
(\%04) b(n) :=
                   k = 0
(\%i5) / · b(n), n=14,15,16,17,18 · /
       for n from 14 step 1 thru 18 do print(float(b(n)));
       2.718281828458229
       2.718281828458994
       2.718281828459042
       2.718281828459045
       2.718281828459045
(%05) done
(%i6) float(%e);
(%06) 2.718281828459045
```