```
    |\^/|      MAPLE V
._|\|   |/|_.  Copyright (c) 1981-1990 by the University of Waterloo.
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 <____ ____>   Waterloo Maple Software.
      |        Type ? for help.

> sum(i,i=1..100);

                                      5050

> sum(2^i, i=m..n);

                                  (n + 1)    m
                                 2        - 2

> sum(sin(i^2),i=0..n);
bytes used=1000088, alloc=786288, time=8.783
bytes used=2004264, alloc=1179432, time=20.516
                                   n
                                 -----
                                  \         2
                                   )   sin(i )
                                  /
                                 -----
                                 i = 0

> n := 100;

                                    n := 100
```

```
> "";
sin(4489) + sin(3721) + sin(1) + sin(5329) + sin(6561) + sin(400) + sin(441)
     + sin(484) + sin(3136) + sin(169) + sin(9801) + sin(3969) + sin(4356)
     + sin(4624) + sin(7225) + sin(25) + sin(3844) + sin(529) + sin(49)
     + sin(5929) + sin(729) + sin(10000) + sin(6084) + sin(4761) + sin(3600)
     + sin(4900) + sin(5625) + sin(3364) + sin(36) + sin(3025) + sin(5184)
     + sin(2916) + sin(7056) + sin(6889) + sin(1024) + sin(1089) + sin(1156)
     + sin(1225) + sin(1296) + sin(1369) + sin(1444) + sin(1521) + sin(1600)
     + sin(1681) + sin(1764) + sin(1849) + sin(1936) + sin(2025) + sin(2116)
     + sin(2209) + sin(2304) + sin(2401) + sin(2500) + sin(2601) + sin(2704)
     + sin(4225) + sin(5776) + sin(3481) + sin(7396) + sin(7569) + sin(7744)
     + sin(7921) + sin(8100) + sin(8281) + sin(8464) + sin(8649) + sin(8836)
     + sin(9025) + sin(9216) + sin(9409) + sin(9604) + sin(5476) + sin(4)
     + sin(9) + sin(16) + sin(6724) + sin(2809) + sin(6241) + sin(576)
     + sin(625) + sin(676) + sin(784) + sin(841) + sin(900) + sin(961)
     + sin(64) + sin(81) + sin(100) + sin(121) + sin(144) + sin(196) + sin(225)
     + sin(256) + sin(289) + sin(324) + sin(361) + sin(6400) + sin(4096)
     + sin(5041) + sin(3249)
```

```
> evalf(");
                                  1.583936453
> quit
```