// The QuickCopy company currently makes 100,000 copies per year

// at 15 cents each.

// They expect to increase the number of copies produced

// by 4 percent per year each year for the next 10 years,

// starting with this year.

// They also expect the price of each copy to increase

// by 3 cents per year, starting with this year.

// This program displays the company's expected

// income for each of the next 10 years.

// Modify it to be more efficient.

start

Declarations

num year

num copies = 100000

num price = 0.15

num total = 0

num COPIES\_INCREASE = 0.04

num PRICE\_INCREASE = 0.03

for year = 1 to 10 step 1

copies = copies + copies \* COPIES\_INCREASE

price = price + price \* PRICE\_INCREASE

total = total + copies \* price

output year, total

endfor

stop