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ABSTRACT

This is one of a series of computer modules designed for use by secondary students who have access to a computer. The module, designed to help students understand all facets of car-buving, includes a statement of objectives, a time schedule, a list of materials, suggested evaluation procedures, an outline for each section, and several computer programs written in BASIC. (MK)

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COMPUTER MODULE FOR USE

IN A

MATHEMATICS LABORATORY SETTING

Car-Buying

bу

Irwin Hoffman Evert Karman Steve Meer Paul Novak Joseph Pagone

A Publication of

University of Denver Mathematics Laboratory Regional Center for Pre-College Mathematics

Dr. Ruth I. Hoffman, Director

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(a) University of Denver Mathematics Laboratory 1973

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CAR-BUYING

This module may be used in the following ways:

- 1. It may be used, with teacher explanations, and examples, for an entire class at once.
- 2. It may be used by individuals or small groups of students.
 - 3. It may be used by individual students in real car-buying situations (or motorcycle-buying).
 - Individual students who have completed the unit can assist other students later.

MATERIALS'

Contained in this module:

- 1. Explanatory reading material for the students.
- . 2. Worksheets for car-buying, car insurance and motorcycle insurance.
 - 3. Texts of the computer programs CARR, INSTABLE, AMORTIOAN, and INSCYCLE, which are necessary for completion of the module.
 - 4. A short sheet of sample car prices and insurance numbers taken from the December, 1973
 N.A.D.A. Official Used Car Guide.

Teacher must be able to provide:

- .1. Computer access.
- 2. Current information on interest rate for demonstration purposes.
- 3. A recent copy of the N.A.D.A. Official Used Car Guide (optional, but highly desirable). Car dealers and lending institutions are sometimes willing to give classes old copies.

Students will provide on their own:

- 1. Current prices and trade—in values for individual cars (obtainable from various sources: actually talking with a car de—aler, the daily newspapers, or the N.A.D.A. guide).
- 2. Information on interest rates and terms for specific cars and credit sources (optional; obtainable by talking to the various sources).

TIME SCHEDULE

During testing of this module, it was found to take on an average two fifty-minute class periods per student (one period for preparation and information-gathering, and one period spent at a computer terminal),



OBJECTIVES

- 1. The student will learn the difference between the quoted purchase price of a car and its actual cost under various credit and financing arrangements.
- 2. The student will learn the effect of a tradein on the purchase price of a new car and on the sales tax charged.
- 3. The student will learn the meaning of mortgage insurance, and the kinds available and their cost.

- 4. The student will learn the different kinds of insurance available for a car, and which kinds are mandatory.
- 5. The student will learn the cost of automobile insurance, and what determines this cost. The principal factors he will learn are:
 - a. The purchaser's driving record; and
 - b. The safety rating of the car, as indicated by the insurance number in the N.A.D.A. Dealer's Guide.
- 6. The student who is interested in owning a motorcycle will learn the cost of financing a purchase, and the cost of motor cycle insurance.



- 1. For successful teaching of the module, it is recommended that the teacher go through the module himself first, using his own data and comparing the results with his actual situation, if possible.
- 2. The module provides brief summary information on such concepts as add-on rates, annual percentage rates, mortgage insurance, etc. The teacher may desire to devote additional class time to more extensive explanation of these concepts. The AMORTIOAN program demonstrates the operation of an annual percentage rate. The total interest figure in the AMORTIOAN out-aput may be used to demonstrate the conversion from A.P.R. to add-on rate.

EVALUATION PROCEDURE

Completion of the module is to be regarded as an end in itself. For feedback purposes, the teacher may determine the student's success in doing the module by examining the worksheet, checking the credibility of the computer output, and checking the answers to those questions in the worksheet which involve comparisons, and which the student answers after running the computer programs.

A teacher may desire to supplement the module with a posttest on the conceptual information developed in the module: questions on kinds of interest rates, mortgage insurance, kinds of insurance coverage, factors determining insurance rates, etc., along with additional quantitative questions comparing rates and payments.

There are no standard right or wrong answers for any part of this module; the answers will vary depending on local taxes and insurance laws, credit conditions, and so forth.

OUTLINE

Section I - Buying and Financing a Car (Cards 1 - 4, Student Worksheets # 4a - 4f)

- A. In this section, the student will complete all the worksheets preceding the insurance section.
- B. Teaching suggestions

- 1. As students will be providing individual data, it will probably be found desirable to let them work on the module individually or in small groups. A period of general class time may be used to explain the credit concepts described, and togive instructions on acquiring the basic data needed.
- Securing data will be the most difficult part of the module. Students are understandably reluctant to bother a car dealer with hypothetical questions. Nonetheless, this is the most valuable way for them to get information. Dealers will most likely be cooperative if the students know exactly what information they need, and what questions to ask, in advance, so as not to take up too much of the dealer's time. Other sources for car prices are advertisements in the newspaper, and the N.A.D.A. book. Tradein values are available in the N.A.D.A. book. As a last resort, some sample data is provided with the module.
- 3. Students should again be encouraged to find credit information on their own from dealers, banks and credit unions. Teachers should check with their own credit unions for sample rates. In Denver at the end of 1973, dealers were quoting add-on rates between 7% and 10%; banks quoted an add-on rate of 6% for new cars, 6 1/2% for used cars; and credit unions quoted A.P.R.'s from 9% to 12%.
- 4. If a student is quoted an annual percentage rate, he may wish to run the AMORTIOAN

- program to see what his monthly payment is and what he is paying for.
- 5. If students have successfully gotten their own individual data, they should be encouraged to compare notes with each other, to get a greater appreciation of the credit market.
- 6. Teachers may desire that students run all the computer sections of the module at once, going back afterwards and completing the comparison questions in the worksheet.
- Section II Insurance (Card # 5 8, Student Worksheet # 8a) -
 - A. The student will complete the insurance portion of the worksheet, using computer output for his answers.
- B. Teaching suggestions
 - 1. Students should continue to work individually or in small groups.
 - 2. The insurance rates in the program are taken from the tables of a high-risk insurance company. Lower rates are in many cases obtainable. For high school students, however, these rates are frequently all too accurate. (Rates may be different in states other than Colorado; in such a case, an experienced programmer may be needed to modify the data in the program.)
 - 3. Insurance numbers are obtainable only from the N.A.D.A. guide. If this guide is unobtainable, probable insurance numbers for a given car can be deduced from the sample data provided with the module. The important point which

is to be communicated is that the insurance number of a car is a major factor in determining the cost of insurance for the car.

- 4. Throughout the computer portions of the module, teachers will find that students who have already done the module will be very helpful in assisting other students who are starting the module.
- 5. Students should be advised that computer input consists of numbers only no commas, no percent signs, dollar signs, etc.

Section III - Motorcycle (optional) (Card # 9, Student Worksheet # 9a)

- A. The interested student will fill out the car-buying worksheet for a motorcycle; and the motorcycle insurance worksheet.
- B. Teaching suggestions
 - 1. Students who are interested in the real purchase price of a motorcycle can use their data in the CARR program, or, if they are quoted an annual percentage rate, in the AMORTIOAN program.
 - 2. The INSCYCLE program offers two insurance plans, which can be compared. The principal factor determining motor-cycle insurance rates is the size of the motorcycle engine.

CAR BUYING

The purpose of this unit is to help you investigate the costs of financing a car through three different types of lending institutions: an auto dealer, a bank, and a credit union. You should be able to learn interest rates and other important information from each of these three sources. You can use this unit, and, the accompanying computer programs, not only in the classroom, but as a personal reference guide if you should purchase a car.

A credit union is like a club, to borrow money you must be a member. In many types of employment, membership in a credit union is automatic. So, when you investigate the cost of a credit union loan, see if your parents, friends or teachers belong to or know anyone who belongs to a credit union. Then, get on the phone and call the credit union, a bank, and an auto dealer to obtain the information necessary to complete the tables in the worksheets. When choosing a bank or an auto dealer, you might want to call several to see which one offers you the cheapest rate. If you are unable to contact any of the appropriate lending agencies, your teacher will have the information necessary to complete the tables. The daily newspaper contains advertisements of cars for sale, with prices and frequently with interest rates.

When you have completed student worksheet # 4a (after reading the explanation), run the computer programs CARR and INSTABLE and use the information to complete the rest of the tables. These tables will help you choose the least expensive financing for your situation.

The explanations that follow should enable you to understand what you should fill in on Student Worksheet # 4a. This information should give you what you need to know when you are on the phone talking to one of the three lending institutions involved. Most professional men are glad to help you learn (after all, you will someday be their customers); but you are taking up their time. Don't tie them up too long over the phone. When you call an auto dealer you might ask to speak with their finance man, and when you call a bank you should ask to speak with a loan officer. These men are the members of their respective organizations who will be able to answer your questions best.

- A. What kind of car are you buying? List the name and model of the car you are buying, the kinds of accessories you want, and the year of the car.
- B. What is the cash price of your car? This means - What will the car you wish to buy cost, including all the options you want, if you could give the dealer the money right now. It you don't know the price of your car, you may find out from the NADA book or from cards # 5 and 6. Of course, most people have to finance the purchase of their cars. That is what you will be doing in this unit.
- C. What is the local sales tax rate? Whenever you buy anything, you pay a certain percent of the price to the government as a sales tax. (For instance, in Denver, Colorado the sales tax is 6%.) On the everyday small purchases you make, this small percentage of tax goes almost unnoticed. But you are now making a purchase that runs sometimes many thousands of dollars and the sales tax becomes very significant. The tax itself may come to hundreds of dollars, depending on the price of your car. When you talk to a dealer, find out what the current sales tax is in your community. A word of caution: If you shop around, trying to beat the sales tax rate in your community, you may end up having to pay it anyway. Some communities charge sales tax according to where you live, rather than where you make your purchases. Check it out first; otherwise you might end up paying twice as much tax.
- Do you have a trade in? If 'yes', then how much will the dealer allow you? If you have an old car it is worth some amount of money. This old car can be used like money, and can be used toward the purchase of your new car. The value a dealer gives your old car is called the trade in value. If you call a dealer, ask him if he can give you a general trade in value for your old car. Remember, he might not be able to, since the value of the trade in varies greatly because each individual's car has been taken care of in a different manner. But if your car is in good shape, and you don't want to keep it for a second car, you should probably trade it in.

If you have a trade-in, its value will be subtracted from the price of your new car before the sales tax is figured. Thus, the sales tax will be computed on the price of your new car, minus the trade-in value of your old car. If you don't have a trade-in, you'll have to pay more sales tax.

Only your dealer allows a trade-in, not a bank or a credit union.

Car Buying'

- E. Mid you make a down payment? If 'yes', then how much?
 Almost always, a dealer will ask you to put some of your money down. This is usually a small amount but you can't buy the car if you don't have this amount. The amount of the down-payment varies with the price of the car. If you talk to a dealer, ask him what size down-payment he wants. Remember, your down payment is connected only with a dealer; so don't ask a banker about it. In the CARR program, you will use the down-payment only as an aid in figuring out the amount of money you will need to pay a dealer after you borrow it from a bank or a credit union.
- F. How many months will your loan run? The longer you borrow the money you need to buy your car the more interest you will pay. So, the total cost of your car will increase. However, the whole purpose of borrowing the money is so you can make a lot of small payments instead of one big one. You are paying for the convenience of those smaller monthly payments you can make without taking away from your other needs. The larger the payment you make, the less will be the total amount of interest you have to pay. If you finance the loan for a relatively short time, your payments may be larger than if you had financed the loan for a longer time, but you will end up paying less overall.

IF YOU ARE TALKING WITH A DEALER OR A BANK, REFER TO G.
IF YOU ARE TALKING WITH A CREDIT UNION REFER TO H.

- G., What is the add-on rate? An add-on rate is a straight-forward charge based on the annual rate of interest and the amount of money you borrow and the time of the loan. According to government regulations you must be told the equivalent annual percentage rate by the lending institution. See below for an explanation of how the add-on rate correlates with the annual percentage rate.
- H. What is the annual percentage rate? The annual percentage rate is a percentage figured on the unpaid balance at the end of each month. Credit unions use an annual percentage rate; if, when you talk to them, they give you a monthly rate, multiply it by twelve.

The annual percentage rate and the add-on rate are different expressions of the same thing — the amount of interest you pay. If you multiply the add-on rate by the amount you borrow by the number of years your loan runs, you will have the total amount of interest. The annual percentage rate, on the other hand, shows how much is deducted from what you borrow after each payment; out of each payment, first the interest, according to the A.P.R., is paid off, and then the rest of the payment is deducted from the amount you borrowed. (If you want to see how this works, run the computer program called AMORTIOAN.) Any add-on rate quoted to you amounts to a little more than twice the equivalent annual percentage rate. The maximum annual percentage rate allowed by federal law is 18%.

I. Mortgage insurance is insurance on the payment of your loan. It comes in two forms: Credit Life insurance and Health and Accident Insurance. Credit Life guarantees that, if you die before you have made all your payments, the insurance company will take over the remainder of the payments; health and accident mortgage insurance guarantees that your loan will be paid if you are too sick or too injured to make the payments yourself. Most dealers will insist on your carrying mortgage insurance in order to finance the purchase of a car. However, they may not insist on your having both Credit Life and Health and Accident insurance.

	A. What kind of car are you bu	iying?		
	NAME:		•	
•	ACCESSORIES:			
	YEAR:		%	
	B. What is the cash price of t	the car?		
	C. Do you have a wade-in? In	f so, how muc	ch will the dealer	pilow you?
		· • -	,	
	D. What is the state and local	l.sales tax	rate?	•
<u>, </u>	E. 1) How much is your down i	payment? _		
	2) How much are you borrow	wing?		
	F. How long will your loan ru	n?		
		•	•	· • • • • • • • • • • • • • • • • • • •
•		BANK	DEALER	CR. UNION
	G. What is the add-on rate?	•		
	H. What is the annual percent	age .		•
	rate?			
	I. What is the cost of mortgage insurance?		•	•
•	mor og ago mis ar agroog		•	
	Credit life only			
•	Health and Accident			
	Total	6. <u>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u>		
	•		eger	

24 MONTH LOAN

	BANK	DEALER	CR. UNITON
Add—on Rate or Annual Percentag Rate			
1)Cash Price			•
Interest		*	
Monthly Payment			
TOTAL COST			
2)Cash Price		,	·
Cost of Credit Life		,	
Interest			4
Monthly Payment			·
TOTAL COST :			
3)Cash Price	·1~		
Cost of Credit Life			
Cost of Health and Accident Insurance			,
Interest			
Monthly Payment	•		
TOTAL COST		",	

Student Worksheet # 4c

36 MONTH LOAN

Add-on Rate or Annual Percentage Rate 1) Cash Price Interest Monthly Payment TOTAL COST 2) Cash Price Cost of Credit Life Interest Monthly Payment		BANK	DEALER .	CR. UNION
Interest Monthly Payment TOTAL COST 2) Cash Price Cost of Credit Life Interest	Add—on Rate or Annual Percentage Rate			
Monthly Payment TOTAL COST 2) Cash Price Cost of Credit Life Interest Total Cost Total) Cash Price	,		,
TOTAL COST 2) Cash Price Cost of Credit Life Interest:	Interest		7	
2) Cash Price Cost of Credit Life Interest	Monthly Payment			
2) Cash Price Cost of Credit Life Interest	TOTAL COST			
Interest				
	Cost of Credit Life	,		,
Monthly Payment	Interest	The		
	Monthly Payment			
TOTAL COST	TOTAL COST	,		•
3)Cash Price				1 · · · · · · · · · · · · · · · · · · ·
Cost of Credit Life	Cost of Credit Life			
Cost of Health and Accident Insurance	Cost of Health and Accident Insurance) .		•
Interest				· · ·
Monthly Payment	Monthly Payment			
TOTAL COST				

11

The following questions will help you compare the different financing methods for buying a car. The information you need to answer these questions may be found earlier in the unit or by running the CARR program on the computer.

Any add-on rate quoted to you by a financing agency is actually translated from an annual percentage rate; that is why add-on rates sound like they are lower than annual percentage rate works, run the program AMORTLOAN on the computer.

	,					
Compare t	he interest ra	tes on the two	enty_four	month contract	t for eac	h lender.
٠.	•		•			
		BANK		DEALER	•	CR. UNION
Add-or.:	· 〈		I.		•	011011
•						<u>-</u> -
APR						·
. Compare th	he total amoun	t of interest	charged o	n the 36-month	contrac	t with the
TureLear	charged on the	24-month cont	ract.	•		
	•	BANK		DEALER	•	CR. UNION
	•					
36-month:	•		-		_· ` _	7.6
24-month:	,					•
How much r	nore do you pay	v in interest	on the 26	month contra		
24-month	contract?	, 111001040	on one jo	-monun contrac	t⊷ compare	ed with the
		BANK	' .	DEA LER		CD IBITORI
	•		•	DISTING		CR. UNION
			-		· ·	
Compare th	e cost of cred	dit life insur	ance on th	ne 36-month an	d 24-mont	h contracts.
	∓ं तुर	BANK		DEALER	•	
	•	LATIVIL		DEALER		CR. UNION
36-month:	1					
24-month:	,	· · · · · · · · · · · · · · · · · · ·		•	•	· · · · · · · · · · · · · · · · · ·
•	one done !!	4 310				
How much m 24-month c	ore does credi ontract?	t 1110 cost or	n the 36-n	onth contract	compared	with the
	1	r) A 2000	•	,		
	•	· BANK \		DEA LER		CR. UNION

a. Compara t	•	, cruono and nearon	insurance on each of the	two contracts.
•	•	BANK	DEALER	CR. UNION
6-month:			<u> </u>	·
-month:				
b. How much ompared with	more does hea the 24-month	ilth and accident in contract?	nsurance cost on the 36-	month contract
	•	BANK	DEALER	CR. UNION
	•			
•	onthly paymen	,		•
a. With no m	ortgage insur	ance (use (1) from	Student Worksheets #46	and 4c)
•	. •	BANK .	DEALER	CR. UNION
4-month:	•			
6-month:		•	*/	
	d+ ldfo'onler	(100 (2) 6000 (1)	_ \	
. Wron cred	TO TITE OILLY	and the second s	nt Worksheets #4b and 4	c).
		BANK	DEA1 ER	CR. UNION
lp-month:				
6-month:		The state of the s	·	
. With cred	it life and h	ealth and accident	insurance (use (3) from	Student Work-
Sheets # 4	o and 4c). 🦠	BANK	DEALER	- CR. UNION
-months	•	· · · · · · · · · · · · · · · · ·		
5-month:	*			
. Compare"t	ha total acat	s of your car:	· .	
		ţ.	•	
a. With no mo	ortgage insur	ance (use (1) from	Student Worksheets # 4b	and 4c).
1		BANK '	DEALER	CR. UNION
	•			
-month:	•	••••••••••••••••••••••••••••••••••••••	-	

•		BANK	DEALER	CR. UNION
24-	month:		•	
36-	month:	·		
с.	With credit life and h sheets # 4b and 4c).	ealth and accid	lent insurance (use DEALER	(3) from Student Work-
24,-	month:			
36-	month:			
7.	Answer the following q	uestions for a	24-month contract:	`
a.	With credit life only, a credit union and for	what is the di a bank?	fference between yo	ur monthly payment for
b .	With both credit life between your monthly p	and health and ayment for a ba	accident insurance, nk and for a dealer	what is the difference?
ਲੇ .	Answer the following qu			
΄a.	With no mortgage insuration your car for a dealer	ance, what is t and for a credi	he difference between tunion?	en the total costs of
໌ b . ³	with credit life only, car for a bank and for	what is the di a dealer?	fference between the	e total costs of your
9.	In the following quest:	ions, compare t	he 24- and 36-month	contracts:
a.	With credit life only, paying a dealer?	what is the di	fference in the mont	thly payment when you are
ь.	With both credit life as in the total cost of you	and health and our car when xo	accident insurance, u are paying a credi	what is the difference it union?
		<i>)</i>		

Car Buying

The following information is taken from the Mountain States Edition of the N.A.D.A. Official Used Car Guide, December 1973.

1.5				•	
Av'g. Trd-In	Ins. Sym.	Body Type	Model	Av'g.	Av'g.
	•	AMERICAN	MOTORS .		•
1972 Gremlin-	TA-8V				
1550 1970 Javelin-	3 S ST-V8	Sed 2D	46–5	1400	2025
1125 1967 Marlin—A	4 T-PS-6 -	H'dtop 2D	7079-7	1025	1575
375	4	H'dtop 2D, JEE	675 9- 7	350	700-
1971 J-100 AW					•
1050 1966 Jeep-All	5 Series 4W	Sta Wgn D	1414 -	1850	2650
87 5		Sta Wgn S V CADIL	_	800	1300
19 7 3 De VIlle					
5325_	7	Cpe. CH E C	D47 KFR	4800	6150
1967 Marathon	-6-at-rs		•		150
5 5 0	4	Sta Wgn CHE V R	A12-W OLET	500	950
1973 Vega-4-A	ľ	<u>.</u>		,	
1850 1973 Camaro—A7	. 3 T-PS-V8	Cpe N'back	V11 "	1675	2350
2750 19 7 3 Corvette-	4	H'dtop LT	S87	, 2475	3325
4875 1971 Malibu-V8	6	Con 2 Tops	Z67	4400 .	5700 .
1600	4 ′	H'dtop 2D	13637 .	1450	2075
1971 Cobra-V8	•	FOR	U		•
1550° 1971 Mustang-A	4	H'dtop Spt I	Roof 38	1400	2025
'1625 1970 Falcon-6	4	Con	03	1350	1975
1 875	. 3	Sed 4D	11	800	1275
1966 Travelall	Cust-6 Cu	INTERNAT	TOMET	•	*
·600	· · · · · · · · · · · · · · · · · · ·	Station Wgn	r	550	1000
1971 GTO-V8-24	2	PONTI	.AU		\$ 7
1675	5	Con	24267	. 1525	2150

IMPORTED CARS

Av'g. Trd-In	Ins. Sym.	Body Type	Model	Av'g. Loan	Av†g. Retail
*	.	ALFA ROMEO	(Italian)		
1969 Alfa Rome 1575	. 5	Con-Veloce AUSTIN-HEALE	1750	1425	2050
1966 Austin-He 825		•	•	,	. 1
•	4	Con "300" M BMW (Ge:		750	1225
1972 BMW	,	·	•		
4475	6	Sed 4D Bavas DATSUN (Ja		4050	5125
1973 Datsun	•		-		
1625 1972 Datsun	3	Sed 2D 1200	LB100	1475	2100
< 1675		Pickup FIAT (Ita	PL620 -	1525	2150
1969 Fiat	•	1201 (100	·Liail)	.	
1150	4 .	Con Spider HONDA (Jap	124 Sanaga)	1050	1600
1973 Honda		,,	, ,	•	
1475	٨	Sed 2D JAGUAR (E r	SBA	1350	1925
1972 Jaguar		, (—	-0- ,- 0- ,-	•	•
5175 1968 Jaguar 4.2	ZXKE	Con	V12	4675	6000
1550 1966 Jaguar	6 .	Spt. Con		1400	2125
500	6	3.8 MkII 4D MAZDA (Jap		450	900
1973 Mazda Røta	ary	, "	and 36)		•
2300	4	Sed 4D M.G. (Eng	RX3	2075	2975
· 1973 M.G.		(22.6		•	u
2750 AT 1967 M.G.	5	Con B		2475	3325`
600	3	Con "B" MERCEDES—BENZ	(Carmon)	550	950
1973 Mercedes-E	enz	.122.02.02.0	(derman)	•	•
7350 1967 Merredes-E	6	Sed 4D (AT)	280	6625	8225
2650	7	Con PORSCHE (G	230SL erman)	2400	3375
1973 Porsche 3650 1966 Porsche	6	Rdst	914	3300	4450
., 1675	7	Cpe 2000-6	911/5	1525	2275

INSURANCE

Insurance is an essential cost to be considered when buying a car. In most states, liability insurance is required by law. But in addition, as yourknow by now, a car is a major investment, and this investment should be protected.

The INSTABLE program on the computer will help you determine the cost of insuring your car. Use the program to find the premium for the car you have in mind; then rerun it to find the premium for a different kind of coverage on this car.

When you run the program, you will find that the amount of insurance you pay is decided mainly by two things: your driving record, and the insurance number of the ear you buy. The insurance number is found in the N.A.D.A. (National Automobile Dealers' Association) Handbook, or on Cards # 5 and 6, and makes a big difference in your insurance costs. Run the program with the car you select, but using different insurance numbers, and you will see the difference the insurance number makes.

The premiums the computer prints out are taken from a set of tables for 1973 used by an insurance company specializing in high-risk drivers (those drivers who have poor driving records). So these rates may be higher than many. Be sure to shop around to see what types and limits of coverage and rates are available to you.

The insurance rates quoted here are restricted to 15/30/5 liability, 15/30 uninsured motorist, \$500 per person medical payments, \$50 deductible comprehensive, and \$100 deductible collision.

het's look at the nature of each of these coverages:

15/30/5, LIABILITY:

In case of an accident your insurance will pay up to \$15,000 per person limited to \$30,000 per accident for bodily injury to people in the other car. Also, your company would pay up to \$5,000 for damage done to other people's property.

15/30 UNINSURED MOTORIST:

Under this coverage, your company will pay up to \$15,000 per person limited to \$30,000 per accident. The money will be paid to persons in your car injured in the accident. The cost of this coverage is \$1 per month.

\$500 PER PERSON MEDICAL PAYMENTS:

Under this coverage, your company will pay up to \$500 per person for medical expenses resulting from an auto accident. This coverage will cost you \$1, \$2, or \$3 per month depending on the cost of your liability coverage. (If your driving record is too bad, you won't be able to get this coverage.)

Car Buying

\$50 DEDUCTIBLE COMPREHENSIVE:

If your car is damaged by fire or wind or you suffer a loss because of theft, this coverage will compensate you for all damage except the first \$50.

\$100 DEDUCTIBLE COLLISION:

Under this coverage your company will pay all but the first, \$100 damage to your car due to an accident.

Of these five types of coverage, you are required by state law to carry liability coverage only. You do not have to carry any of the other 4 categories of coverage. Consequently, you may wish to run the INSTABLE program several times to compute different combinations of coverage.

Each time you run the program the computer will print out the cost of your premium. Now look at Student Worksheet # 8a. In the space at the top of the page, describe the car you wish to insure.

EXAMPLE:

1971 Chevy Malibu, 2 dr., hardtop, V8

In the space marked COVERAGE (1), describe the kind of insurance coverage you think you might want.

EXAMPLE:

15/30/5 liability, uninsured motorist, and medical. No collision or comprehensive

In the space marked COVERAGE (2), describe a different kind of coverage.

In the space marked INS. NUMBER (1), enter the insurance number of the car as indicated in the N.A.D.A. Handbook.

In the space marked INS. NUMBER (2), put in a different insurance number for the same car.

Run the program three times: (1) For the first kind of coverage, with the original insurance number; (2) For the second kind of coverage, with the original insurance number; (3) For the first kind of insurance coverage, with the changed insurance number. Enter the results in columns 1,2, and 3 of the table at the bottom of Student Worksheet #8a.

CAR:		•	· /		,
COVERAGE (1):					
			·		D
COVERAGE (2):					
			,		
INS. NUMBER (1):				•	
INS. NUMBER (2):	•	•	•		

	RUN 1 ĆOVERAGE (1) INS. NUMBER (1)	RUN 2 COVERAGE (2) INS. NUMBER (1)	RUN 3 COVERAGE (1) INS. NUMBER (2)
LIABILITY 15/30/5	. 1		
UNINSURED MOTORIST 15/30			
MEDICAL PAYMENTS \$500	:		
p \$50 DEDUCTIBLE COMPREHENSIVE			
\$100 DEDUCTIBLE COLLISION			
TOTAL PREMIUM per month:			
Per year:			7

ERIC Full Text Provided by EBIG

Right now you are more interested in buying a motorcycle than a car. Here is one aspect of buying a bike, insurance.

This program will tell you how much it will cost to insure a bike. But there are a few things you must know. The most important is what all the terms mean such as liability, comprehensive, \$50 deductible and others. Here is a list of all the terms and definitions you will need to know in order to get insurance.

Liability: insures against loss through legal responsibility for bodily injury and/or property damage caused by accident by this motor vehicle.

Comprehensive: covers any direct and accidental loss, or damage to the motorcycle, except loss caused by collision of the bike with another object.

Collision: covers any collision with another object written in terms of \$50 deductible which means the owner pays the first \$50.00 and insurance pays the rest or \$100 deductible, or whatever the insurance calls for. This is for your motorcycle when you are at fault or you are hit by an uninsured motorist.

Uninsured Motorist: pays the insured for bodily injury caused by drivers of uninsured vehicles when such drivers are legally responsible for injury to the insured. In a case of hit and run, you are covered when injury arises out of an accident when neither the car nor the driver can be identified. Also, you must report to the police within 24 hours and notify the insurance company within 30 days.

Guest Bodily Injury Liability: covers guest rider only when the driver is careless or is drunk. This only applied in Colorado.

Another thing you will need to know is how many cc's the bike has and the age of the bike.

1.	Input to the computer the	following	information	whan it	o alca	44 44 1
_ `	New bike	*OTTO MTM 18	TITI OT III OT OT	MITOIT TO	αοκο	101, 10.
	350 cc !s _		`	. •	,	•
	12 months		• •	• ,	•	
	Package Plan	_2.4 _1.			" <u>y</u>	. "
	Yes for Uninsured Mot Yes for Bodily Injury					
`	How much for Package Plan		· ·		,	
	Uninsured Motorist	· · · · · · · · · · · · · · · · · · ·	•	•	•	•
	Bodily Injury Total		· · · · · ·			•
	2000	\rightarrow			•	-
٠.				4		
2.	. New bike					
	350 cods	The same of the sa	:		•	
•	Package Plan			•		
1	Yes for Uninsured Mot	orist	4 .			
	Yes for Bodily Injury	• •	•	•	••	
	How much for Package Plan		4			•
	Uninsured Motorist		•			
·.	Bodily Injury		· ·			
	Total			•		
	Which is more expensive pe	r month, 6	months or	12 month	ıs?	•
٠.		•	ts .			
3.	Put in your own numbers.					n
		¹s.		•	•	
· · · .	Package or Liability		•			
· 5,	Uninsured Motorists			•		
•	Guest Bodily Injury How long pay for	rea or Mo			•	•,
٠,	How old is bike	10 No		•	ي المسا	· · · · · · · · · · · · · · · · · · ·
(the state of the s		•			•

The following programs are written in the BASIC language for the Univace 1106. The words PRINT and LET are optional on this system and IF-THEN statements may have the same context as FORTRAN. Additionally, formatting is allowed via the PRINT IN IMAGE command. Therefore, much of each program may need to be modified for other systems.

The following program CARR was written by Dave Lind and Steve Meer of George Washington High School, Denver, Colorado.

```
10 HEM THIS PROGRAM IS WRITTEN IN A HIGHLY ADVANCED VERSION OF
20 REM THE BASIC LANGUAGE.
30 REM IT MUST BE MODIFIED BEFORE USE ON MOST SYSTEMS
40 REM THESE ARE THE FUNCTIONS WHICH FIND EQUIVALENT APR AND ADD-ON RATE

S
50 DIM Z(3,10),Y(3,10)
60 DEF FNA(A,I,N)
70 R=1+(I/1200)
80 B=0
90 FOR J=0 TO N-1
100 B=B+(R*+J)
110 NEXT J
120 FNA=(A+(R*+N))/B
130 FNEND
140 DEF FNR(%)=(INT(100*(X**005)))/100
150 DEF FNP(N,I)
```

180 Al=ABS((((1+(L/1200))++-N)-1)/(L/1200))

190 Bl=(((A1*W)-1)+L+3)

160 W=(((-N/1200)+1)-1)/-N

200 L=B1+L

170 L=1+1.8

210 IF ABS(B1)-.001>0 THEN 180

220 FNP=L

230 FNEND

240 REM THIS NEXT SECION EXPLAINS THE PURPOSE OF THE PROGRAM.

250 REM IT ALSO EXPLAINS THE REQUIRED INPUT FORMS.

260 THE PURPOSE OF THIS PROGRAM I'S TO HELP YOU!

270 'TO FILL IN YOUR COMPARISON TABLES FOR BUYING A CAR.

1880 THE PROGRAM WILL ASK, YOU TO INPUT VARIOUS VALUES.

290 WHEN YOU INPUT A NUMBER, NEVER USE A COMMA, A DOLLAR SIGN.

300 'OR A PERCENT SIGN. ALVAYS SIMPLY PUT IN THE NUMBER."

310 'THUS, IF THE PRICE OF YOUR CAR IS \$2095.00, WRITE 2095.

320 'IF THE INTEREST RATE IS 6%, WRITE 6, NOT 6% OR .06.

330 'FIRST IT IS NECESSARY TO KNOW WHETHER YOU WILL BE'

340 'GETTING THE MONEY YOU REQUIRE FROM A BANK, A DEALER'

35Q 'OR FROM A CREDIT UNION. .

360 REM THIS NEXT SECTION ASKS THE SOURCE OF THE LOAN AND THUS

370 REM DETERMINES THE COURSE OF THE PROGRAM.

380 'PLEASE TYPE IN EITHER BANK, DEALER OR CREDIT UNION.';

390 INPUT AS

400 A=C=D=T=0

410 IF AS='BANK' THEN C=1

420 IF AS= DEALER THEN C=2

430 IF AS='CREDIT UNION' THEN C=3

```
Car Buying
                                               Computer Sheet # 2
                           CARR (Cont'd)
440 IF C=0 THEN 380
450 PRINT
460 REM THE NEXT SECTION FINDS INFORMATION REGARDING THE PURCHASE PRICE,
470 REM TRADE-IN, DOWN PAYMENT, ETC.
450 'INPUT THE PRICE OF YOUR CAR'S
490 INPUT P
500 'DID YOU MAKE A DOWN PAYMENT (YES OR NO)';
510 INPUT BS
'520 IF BS=!NO' THEN 560.
530 IF B$<>'YES' THEN 500
540 'INPUT THE AMOUNT OF YOUR DOWN PAYMENT';
550 INPUT D
560 LDO YOU HAVE A TRADE IN(YES OR NO)';
570 INPUT CS
580 IF CS "NO' THEN 680
590 IF C$<>'YES' THEN 560
600 'WHAT WILL THE DEALER ALLOW YOU ON YOUR TRADE-IN!;
610 INPUT T
620 ' INPUT THE LOCAL SALES TAX RATE';
630 INPUT R
640 X=FNR((R/100)+(P-T))
650 PRINT
660 PRINT
670 REM THIS NEXT SECTION PRINTS OUT A PRELIMINARY SET OF DATA RE-
680 REM GARDING THE COST OF THE CAR, SALES TAX AND OTHER COSTS
690 REM EXCEPT THE COST OF THE LOAN
700 PRINTINIMAGE 'THE PRICE OF YOUR CAR IS $$$$$$$.$$.1P
710 IF T=0 THEN 740
780 PRINTINIMAGE 'MINUS YOUR TRADE-IN OF $$$$$$$$$$.$$':T |
740 'PLUS THE SALES TAX AT ';RJ' %'
770 A=P-T+X-D
780 Z(C,1)=A
790 IF D=0 THEN 810
800 PRINTINIMAGE 'MINUS THE DOWN PAYMENT OF SSSSSSSSSSSS1D
810 'THE TOTAL AMOUNT WHICH'
820 PRINTINIMAGE 'YOULL HAVE TO FINANCE IS 35555555551A
830 PRINT
840 PRINT
850 REM THIS NEXT SECTION FINDS THE DETAILS WHICH PERTAIN TO THE LOAN.
860 REM I.E. APR OR ADD-ON RATES, TERM OF THE LOAN ETC.
870 'FOR HOW MANY MONTHS. WILL YOUR LOAN RUN';
880 INPUT N
890 IEJAS<> CREDIT UNION' THEN 1050
900 'INPUT THE ANNUAL PERCENTAGE RATE QUOTED'
910 'TO YOU BY YOUR CREDIT UNION, (IF YOU WERE'
920 'QUOTED A MONTHLY RATE THEN PLEASE MULTIPLY'
930 'IT BY 12).';
```

980 | 1=T1-A ERIC PO PI=FNR(100+((11/A)+(18/N)))

940 INPUT 1

970 TI-FNR(NON)

960 M=FNR(FMA(A,I,N))

950 U=1

xlx

```
Car Buying
                          CARR (Cont'd)
                                              Computer Sheet # 3
 1000 CS-'ADD-ON'
 1010 Ds='ANNUAL PERCENTAGE
 1020 Z(C,6)=I
 1030 Z(C,5)=P1
 1040 GO TO 1160
 1050 'INPUT THE ADD-ON RATE QUOTED TO YOU BY YOUR 'JASJ
 1060 INPUT I
 1070 Il=fNR(A+I/100+M/12)
 1080 U=I
 1090 PI-FNR(FNP(N,I))
 1100 T1=A+I1
 1110 M=FNR(T1/N)
 1120 CS='ANNUAL PERCENTAGE'
 1130 D5='ADD-ON'
 1140 Z(C,6)=P1
 1150 Z(C,5)=I
 1160~Z(C,2)=H1
 1170 Z(C,3)=M
 1180 Z(C,4)=T1
 1190 Z(C,7)=N
 TRIES 0081
 1210 PHINT
 1220 PRINT
 1230 REM THIS NEXT SECTION TELLS THE USER HIS MONTHLY PAYMENTS, COST
 1240 REM BREAKDOWN AND THE EQUIVALENT LOAN RATES
 1260 PRINT
 'AT AN 'JDSJ' RATE'
 1280 PRINT
 1290 PRINTINIMAGE '
                          of
                               XXXXXXXXXX PERCENT':U
 1300 PRINT'FROM YOUR 'JASJ' FOR 'JNJ' MONTHS'
 1310 PRINTINIMAGE *
                                1320 PRINT
 1330 'THE CAR WILL COST A TOTAL OF $'JT1
 1340 'THE 'JDSJ' RATE WHEN CONVERTED TO AN EQUIVALENT 'JCS
 1350 'RATE IS 'JP1J' X'
 1360 PRINT
 1370 PRINT
 1380 PRINT
 1390 'YOU HAVE ENTERED TO FAR, DATA FOR A:
 1400 FOR J= 1 TO 3
 1410 IF Z(J,1)=0 THEN 14
 1420 IF J=1 THEN PRINT BANK
 1430 IF J=2 THEN PRINT 'DEALER'
 1440 IF J=3 THEN PRINT 'CREDIT UNION'
 1450 NEXT J
 1460 REM THE USER WOW HAS THE CHOICE OF CHANGING THE DATA,
 1470 REM THE SOURCE. OR THE TERM OF THE LOAN. OR HE MAY HAVE A TABLE
         PRINTED OUT WHICH CONTAINS THE CURRENTLY INPUTED DATA
 1480 REM
 1490 'IF YOU WISH TO ENTER DATA FOR ANOTHER TYPE!
 1500 'OF ORGANIZATION OR WISH TO CHANGE DATA '
 1510 'THAT WAS ENTERED PREVIOUSLY, THEN TYPE YES. IF NOT TYPE'.
 1580 'NO AND A COMPARISON TABLE WILL BE 'PRINTED FOR ALL THE DATA"
  530 'THAT YOU HAVE ENTERED SO FAR.'
```

29

ERIC 540 'TYPE YES OR NO'J

```
Carr (Cont'd)
Car Buying :
                                                  Computer Sheet # 4
 1550 INPUT ES
 1560 PRINT
 1570 PRINT
 1580 IF ES='YES' THEN 380
 1590 IF ES<>'NO' THEN 1550
 1600 PRINT
 1610 PRINT
 1620 N=0
 1630 FOR J=1 TO 3
 1640 IF Z(J.1)=0 THEN 1710
 1650 N=N+1
 1660 REM THIS SECTION OF THE PROGRAM PRINTS OUT THE COMPARISON TABLE
 1670 REM FOR THE LOAN WHICH THE USER HAS PREVIOUSLY DESCRIBED
 1680 IF J=1 THEN PRINT TAB(15+N); BANK';
 1690 IF J=2 THEN PRINT TAB(15+N); DEALER';
 1700 IF J=3 THEN PRINT TAB(15+N); CREDIT UNION';
 1710 NEXT J
 1720 PRINT
 1730 'AMOUNT'
 1740 'FINANCED';
 1750 C=1
 1760 GOSUB 2640
·1770 C=2 ·
 1780 'INTEREST';
 1790 GOSUB 2640
 1800 C=4
 1810 'TOTAL'
 1820 '
         NOTE'S
 1830 GOSUB 2640
 1840 C=3
 1850 'MONTHLY'
 1860 'PAYMENT';
 1870 GOSUB 2640
 1880 C=5
 1890 'ADD-ON'
 1900 'RATE';
 1910 GOSUB 2640
 1920 C=6
 1930 'ANNUAL X'
- 1940 'RATE';
 1950 GOSUB 2640
 1960 C=7
 1970 'NO. OF MONTHS!
 1980 GOSUB 2640
1990 PRINT
 2000 PRINT
 2010 PRINT
 2020 *******
2030 REM THIS SECTION PRINTS OUT TABLES FOR THE SAME LOAN WITH
2040 REM DIFFERENT TERMS TO INDICATE THE RELATIVE COSTS.
 2050 PRINT
 2060 'NOW A SET OF TABLES WILL BE PRINTED'
 2070 'WHICH COMPARE PRICES OF LOAMS FOR DIFFERENT TERMS.
 2080 PRINT
 2090 FOR Q= 24 TO 36 STEP 12
7100 'TABLE FOR 'JQJ' MONTHS'
```

DOK

ERIC1110 N=0

2690 NEXT J

```
2120 FOR J= 1 TO 3
2130 IF Z(J,1)=0 THEN 2180
2140 N=N+1
2150 IF J=1 THEN PRINT TAB(M+15); BANK';
2160 IF J=2 THEN PRINT TAB(154N) LDEALER';
2170 IF J-3 THEN PRINT TAB(15+N); CREDIT UNI'ON';
BIBO NEXT J
2190 V(1,1)=Z(1,1)
2200 V(2,1)=Z(2,1)
2210 V(3,1)=Z(3,1)
2220 FOR Y=1 TO 2
2230 IF V(Y,1)=0 THEM 8890
2240 V(Y,2)=FNR(V(Y,1)+Z(Y,5)/100+Q/12)
2250 V(Y,6)=FNR(FNP(Q,Z(Y,5)))
2260 V(Y,4)=V(Y,1)+V(Y,2)
2270 V(Y,3)=FNR(V(Y,4)/Q)
2280. V(Y,5)=2(Y,5)
2290 NEXT Y
2300 IF V(3,1)=0 THEN 2360
2310 V(3,3)=FNR(FNA(V(3,1),Z(3,6),Q))
2320 V(3,4) = FNR(V(3,3) + Q)
2330 V(3,2)=V(3,4)-V(3,1)
2340 V(3,5)=FNR(100*(((V(3,2)/V(3,1))*(12/Q))))
2350 V(3,6)=Z(3,6)
2360 PRINT
2370 C=1
2380 'AMOUNT'
2390 'FINANCED'I
2400 GOSUB 2730 .
2410 C=2
2420 'INTEREST';
2430 GOSUB 2730
2440 C=3
2450 'MONTHLY'
2460 'PAYMENT';
2470 GOSUB 2730
2480 C=4
2490 'TOTAL'
2500 'NOTE';
2510 GOSUB 2730
2520 C=5
-8530 'ADD-ON'
2540 'RATE')
2550 GOSUB 2730
2560 C=6
2570 'ANNUAL X'
2580 'RATE ';
2590 GOSUB 2730
2600 PRINT
2610 PRINT
2620 NEXT Q
2630 GO TO 2520
2640 K=0
2650 FOR J=1 TO 3
2660 IF Z(J,C)=0 THEN 2690
2670 K=K+1
                                            31
2680 PRINT TAB(K+15);Z(J,C);
```

icox

2700 PRINT

2710 PRINT

2720 RETURN

2730 K=0

2740 FOR H=1 TO 3

2750 IF V(H,C)=0 THEN 2750

2760 K=K+1

2770 PRINT TAB(15*K) JV(H, C) J

2780 NEXT H

2790 PRINT

2800 PRINT

2810 RETURN

2820 *

2830 REM THIS SECTION PRINTS OUT TABLES FOR THE SAME LOAN BUT, WITH

2840 REM THE COSTS OF HEALTH AND ACCIDENT INSURANCE AS WELL AS

2850 REM MORTGAGE INSURANCE INCLUDED.

2860 PRINT

2870 PRINT

2880 'NOW YOUR ORIGINAL TABLE OF ENTRIES WILL BE MODIFIED TO INCLUDE

2890 ! VALUES FOR MORTGAGE INSURANCE. FIRST, A TABLE OF CREDIT LIFE COS

T5 1

2900 ' WILL BE PRINTED OUT. THEN A TABLE FOR CREDIT LIFE PLUS HEALTH'

2910 ' AND ACCIDENT INSURANCE WILL BE PRINTED, OUT, SO THAT. YOU MAY'

2920 ' COMPARE THE COSTS OF EACH."

2930 PRINT

2940 PRINT

2950 GO TO 3640

2960 'THIS TABLE IS FOR CREDIT LIFE PLUS HEALTH AND ACCIDENT'

2970 PRINT

2980 PRINT

2990 FOR J= 1 TO 3

3000 FOR K=1 TO 10

3010 V(J,K)=0

3020 NEXT K

3030 NEXT J

3040 V(1,1)=Z(1,1)

 $3050 \ V(2,1)=Z(2,1)$

 $3060 \ V(3,1) = Z(3,1)$

3070 K=0

3080 FOR J= -- TO 3

3090 IF Z(J,1)=0 THEN 3140

3100 K=K+1

3110 IF J=1 THEN PRINT TAB(K+15); BANK';

3120 IF J=2 THEN PRINT TAB(K+15) J'DEALER';

3130 IF J=3 THEN PRINT TAB(K+15) CREDIT UNION';

3140 NEXT J

3150 Y=0

3160 IF Y=3 THEN 3300

3170 Y=Y+1

3180 IF Z(Y,1)=0 THEN 3300

3190 V(Y,5)=Z(Y,5)

3800 V(Y,7)=Z(Y,7)

3210 A=(.0075+(Z(Y,7)/12))+(1+(V(Y,5)+Z(Y,7)/1200))

ERIC 220 B=(.0125+(Z(Y,7)/12))+(1+(V(Y,5)+Z(Y,7)/1200))

```
3830 V(Y,8)=FNR((-V(Y,1)+A)/(B+A-1))
3240 V(Y,9)=FNR((-V(Y,1)+B)/(B+A-1))
3250 V(Y, 10) = V(Y, 1) + V(Y, 8) + V(Y, 9)
3860 V(Y,8)=FWR(V(Y,10)+V(Y,5)/100+V(Y,7)/18)
3270 V(Y,3)=FNR((V(Y,10)+V(Y,2))/V(Y,7))
3280 V(Y,4)=V(Y,10)+V(Y,2)
3290 GO TO 3160
3300 PRINT
3310 PRINT
3320 PRINT
3330 'AMOUNT'
3340 'FINANCED'J.
3350 C=1
3360 GOSUB 2730
3370 C=8
3380 'TOTAL'
3390 'CREDIT LIFE'
3400 GOSUB 2730
3410 'TOTAL'
3420 'ACC. AND H.';
3430 C=9
3440 GOSUB 2730
3450 'TOTAL'
3460 'AMOUNT'
3470 'FINANCED'J
3480 C=10
3490 GOSUB 2730
3500 C=2
3510 'INTEREST';
3520 GOSUB 2730
3530 'MONTHLY'
3540, 'PAYMENT';
3550 C=3
3560 GOSUB 2730
3570 'TOTAL'
3580 'NOTE';
3590 C=4
3600 GOSUB 2730
3610 PRINT
3620 PRINT
3630 GO TO 4170
3640 'THIS NEXT TABLE IS FOR CREDIT LIFE ONLY'
3650 V(1,7)=Z(1,7)
3660 V(2,7)=Z(2,7)
3670 V(3,7)=Z(3,7)
-3680 K=0
3690-0
3700 IF F=3 THEN 3780
3780 IF Z(F,1)=0 THEN 3770
3730 K=K+1
```

vbox

```
3740 IF F=1 THEN PRINT TAB(15+K); BANK';
 3750 IF F=8 THEN PRINT TAB(15+K); DEALER';
 3760 IF F=3 THEN PRINT TAB(15+K); CREDIT UNION';
 3770, GO TO 3700
 3780 PRINT
 3790 PRINT
 3800 Y=0
 3810 IF Y=3 THEN 3910
 3820 Y=Y+1
 3830 IF Z(Y,1)=0 THEN 3900
 3840.A=(.9075+(Z(Y.7)/12))+(1+(V(Y.5)+Z(Y.7)/1200))
 3850 V(Y,8)=FNR((V(Y,1)+A)/(1-A))
 3860 V(Y,10)=V(Y,1)+V(Y,8)
 387Q V(Y,2)=FNR(V(Y,10)+V(Y,5)/100+V(Y,7)/12)
 3880 V(Y, 3) = FNR((V(Y, 10)+V(Y, 2))/V(Y, 7))
 3890 V(Y,4)= V(Y,10)+V(Y,2)
 3900 GO TO 3810
 3910 PRINT
 3980 PRINT
 3930 'FINANCED';
 3940 C=1
 3950 GOSUB 2730
 3960 'TOTAL'
3970 'CREDIT LIFE',
 3980 C=8
 3990 GOSUB 9730
 4000 'TOTAL'
 4010 'ANOUNT'
4080 'FINANCED';
4030 C=10
4040 GOSUB 2730
4050 'INTEREST';
4060 C=2
4070 GOSUB 2730
4080 'TOTAL'
4090 'NOTE';
4100 C=4
.4110 GOSUB 2730
4180 'MONTHLY'
4130 'PAYMENT';
4140 C=3
4150 GOSUB 2730
4160 GO TO 2960
4170 PRINT
4180 PRINT
4190 '
4200 'THIS COMPLETES THE COMPARISON CHARTS FOR YOUR AUTO LOAN'
4210 'NOW TURN TO THE INSURANCE PART OF THIS WORKSHEET '
4880 REM SEE THE INSURANCE PART OF THE UNIT WORKSHEET AND PROGRAM
4230 END
```

```
BASIC+DPS003.AMORTLOAN
            100 'WHAT IS THE TOTAL AMOUNT YOU ARE BORROWING';
     8
            110 IMPUT P
            00180 'WHAT IS THE ANNUAL PERCENTAGE RATE'S
     3
            00130 IMPUT RI
            00140 'FOR HOW MANY YEARS';
            00150 INPUT N1
            00160 DIN I(500),N(500),P(500),T(500),B(500)
     8
            00170 W=INT(W1+18+.5)
     9
            00180 RO=R1/1200+1
    10
            00190 R2=R1/1200
            00800 Mi=(P+R0+++(R0-1))/(R0++N-1)
    11
    12
            00210 A-M1+N
    13
            00280 M=INT(100+(M1+.0099))
    14
            00230 M=M/100
    15
            00240 P(0)=P
    16
            00250 FOR K=1 TO N-1
    17
            00860 M(K)=M
    18
            00270 P(K)=P(K-1)+R0-M(K)
    19
            00860 B(K)=P(K-1)-P(K)
   20
            00290 C=C+B(K)
   21
            00300 I(K)=M(K)-B(K)
   22
            00310 NEXT K .
   23
            00320 M(N)=A-M+(N-1)
   24
            00330 P(N)=0
   25
            00340 B(N)=P(0)-C
   86
            00350 I(W)=M(W)-B(N)
   27
            0.0360 PRINT 'TOTAL AMOUNT BORROVED IS S'P
            00370 PRINT 'INTEREST RATE PER MONTH EQUALS' JRE
   88
   29
            00380 PRINT 'ON THE UNPAID BALANCE'
   30
            00390 PRINT
   31
            00400 PRINT 'LENGTH OF LOAN IN MONTHS IS'IN
   32
            410 PRINT 'MONTHLY PAYMENT IS 5';
   33
           415 PRINT IN IMAGE 'XXXX.XX'IM
            00480 PRINT 'EXCEPT FOR THE LAST PAYMENT WHICH WILL BE $";
   34
   35
            00430 PRINT IN IMAGE 'XXXX-XX':M(N)
   36
            438 T=A-P
            433 PRINT 'THE TOTAL AMOUNT OF INTEREST PAID IS $";
   37
            434 PRINT IN IMAGE "XXXXX.XX" IT
   38
   39
            435 PRINT
   40
            440 'MONTH
                                INTEREST
                                              PYMT ON
                                                                BALANCE
        PYMT.
   41
           450 '
                                         PRINCIPAL
   48
           00460 PRINT
   43
           00470 FOR J-1 TO N
   44.
           00480 PRINT IN FORM 'XXX': J;
           00490 PRINT IN FORM 'SSSSSSSSSSSSS': (J), B(J), P(J), N(J)
   45
   46
           00500 NEXT J
   47
           00510 END
```

The following program, INSCYCLE was written by Michael Wolff.

```
00100 'THIS PROGRAM FINDS MOTORCYCLE INSURANCE. .
00110 'YOU MUST PUT IN THE FOLLOWING INFORMATION:
120 'HOW OLD IS THE BIKE:
                           NEV, ONE YEAR OLD,
121
                  OR TWO YEARS OLD OR OLDER?
130 'INPUT 1 IF NEW, 2 IF ONE YEAR OLD, 3 IF OLDER.
00140 INPUTA
150 'HOW MANY CC''S DOES IT HAVE';
00160 INPUT B
170 'FOR HOW MANY MONTHS DO YOU WANT TO PAY: 6, 9, OR 12';
00190 INPUT C
200 'YOU MAY HAVE JUST LIABILITY INSURANCE, OR YOU MAY HAVE!
205 'THE PACKAGE PLAN, WHICH INCLUDES LIABILITY, FIRE AND THEFT'
210 'INSURANCE, AND COLLISION AND COMPREHENSIVE.
                                                   THE COLLISION'
215 'INSURANCE IS $50 DEDUCTIBLE, UNLESS YOUR BIKE IS OVER!
                 IN THAT CASE, THE COLLISION INSURANCE BECOMES
220 '360 CC''S.
225 '$100 DEDUCTIBLE.'
228 PRINT
230 'INPUT 1 IF YOU WANT STRAIGHT LIABILITY.
235 'INPUT & IF YOU WANT THE PACKAGE PLAN.
       INPUT D
250 'DO YOU WANT UNINSURED MOTORIST COVERAGE';
260 INPUT ES
00261 'DO YOU WANT GUEST BODILY INJURY LIABILITY';
00262 INPUTSS
265 PRINT
266 PRINT
00270 IF D=2 GO TO 740
00280 IF C=6, GO TO 590
00290 IF C=9 GO TO 440
00300 IF B<=100 THEN P=25 ELSE GO TO 320
00310 BO TO 430
00320 IF B<=800 THENP=30 ELSE GO TO 340
330 GO TO 430
00340 IF B<=360 THEN P=40 ELSE GO TO 360
350 GO TO 430
00360 IF B<=450 THEN P=50 ELSE GO TO 380
00370 GO TO 430
00380 IF B<=550 THEN P=55
00390 GO TO 430
00400 IF B <=750 THENP=60 ELSE GO TO 420
00410 GO TO 430
00480 P=70
430 PRINT 'LIABILITY IS
431 PRINT INIMAGE 'SSSS.SS':P
432 PRINT
435 60 TO 2340
00440 IF B<=100 THEN P=20 ELSE GO TO 460
00450 GO TO 570
00460 IF B<=200 THEN P=24 ELSE GO TO 480
00470 GO TO 570
```

00480 IF B<=360 THEN P=38 ELSE GO TO 500

)0490 go to 570

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01000 GO TO 1100 01010 IF B<=200 THEN P=64 ELSE GO TO 1030 01020 GOTO 1100 01030 IF B=360 THEN P=92 ELSE GO TO 1050 01040 GOTO 1100 01050 IF B<=450 THEN P=184 ELSE GO TO 1070 01060 GO TO 1100 01070 IF B<=550 THEN P=136 ELSE GO TO 1090 01080 GO TO 1100 01090 P=180 1100 PRINT 'THE PACKAGE PLAN IS 1105 PRINT IN IMAGE '\$\$\$\$.\$\$'1P 1107 PRINT 01110 GO TO 2340 01120 IF B<=70 THEN P=45 ELSE GOTO 01130 GO TO 1270 01140 IF B<=100 THEN P=53 ELSE GO TO 1160 01150 GO TO 1270 01160 IF B<=125 THEN P=75 ELSE GO TO 1180 01170 GO TO 1270 01180 IF B<=200 THEN P=80 ELSE GO TO 1200 01190 GO TO 1270 01200 IF B<=360 THEN P=115 ELSE'GO TO 1220 01210 GO TO 1270 01220 IF B<=450 THEN P=155 ELSE GOTO 1240 01230 GO TO 1270 01240 IF B<=550 THEN P=170 ELSE GO TO 1260 01250 GO TO 1270 01260 P=225 1870 PRINT 'THE PACKAGE PLAN IS 1275 PRINT IN IMAGE 'SSSSS.SS'IP 1277 PRINT 01280 GO TO 8340 01290 IF C=12 GO TO 1650 01300 IF C=9/G0 TO 1480 01310 I F B - 70 THEN P=24 ELSE GO TO 1330 01320 GO TO 1460 . 01330 IF B<=100 THEN P=24 ELSE GQ TO 1350 01340 GO TO 1460 01350 I F B<=,125 THEN P=42 ELSE GO TO 1370 01360 GO TO 1460 01370 IF B<=200 THEN P=45 ELSE GO TO 1390 01380 GO TO 1460 01390 IF B<=160 THEN P=66 ELSE GO TO 1410 01400 GO TO 1460 01410 IF B<=450 THEN P=47 ELSE GO TO 1430 01420 GO TO 1460 01430 IF B<=550 THEN P=96 ELSE GO TO 1450 01440 GO TO 1460' 01450 P=189 1460 PRINT THE PACKAGE PLAN IS 1465 PRINT IN IMAGE 'SSSSS.SS'IP 1467 PRINT 01470 GO TO 2340 01480 IF B<=70 THEN P=32 ELSE GO TO 1500 01490 GO TO 1630

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01500 IF B<=100 THEN P=35 ELSE 60 TO 1520 01510 GO TO 1630 01520 IF B<=125 THEN P=356 ELSE 60 TO 1540 01530 GO TO 1650 01540 IF B<=800 THEN P=60 ELSE GO TO 1560 01550 BO TO 1630 1560 IF B<=360 THEN P=88 ELSE GO TO 1580 01570 GO TO 1630 1580 IF B<-450 THENP=116 ELSE GO TO 1600 01590 GO TO 1630 01600 IF B<=550 THEN P=125 ELSE GO TO 1620 01610 GO TO 1630 01620 P=178 1630 PRINT 'THE PACKAGE PLAN IS 1635 PRINT IN IMAGE 'SSSSSSS'1P 1637 PRINT 01640 GO TO 2340 01650 IF B<=70 THEN P=40 ELSE GO TO 1670 01660 GO TO 1800 01670 IF B<=100 THEN P=48 ELSE GO TO 1690 01680 GO TO 1800 01690 IF B<=125 THEN P=70 ELSE GO TO 1710 01700 GO TO 1800 01710 IF B<=200 THEN P=75 ELSE GO. TO 1730 01780 GO TO 1800 01730 IF B<=360 THEN P=110 ELSE GO TO 1750 01740 GO TO 1800 01750 IF B<=450 THEN P=145 ELSE 60 TO 01760 GO TO 1800 01770 IF B<=550 THEN P=160 ELSE GO TO 1790 01780 GO TO 1800 01790 P=215 1800 PRINT 'THE PACKAGE PLAN IS 1805 PRINT IN IMAGE 'SSSSSSS':P 1807 PRINT 01810 GO TO 8340 01520 IF C=12 GO TO 2180 01830 IF C=9°GOTO 2010 01840 IF B<=70 THEN P=84 ELSE GO TO 1860 01850 80 TO 1990 01860 IF B<-100 THEN P-26 ELSE GO TO 1880 01870 BO TO 1990 1880 IF B<=125 THEN P=39 ELSE 80 TO 1900 01890 GO TO 1990 1900 IF B<=800 THEW P=42 ELSE GO TO 1980 01910 GO TO 1990 01980 IF B<=360 THEN: P=63 ELSE 80 TO 1940 01930 BO TO 1990 01940 IF B<=450 THEN P=61 ELSE GO TO 1960 01950 GO TO 1990 01960 IF B<=550 THEN P=90 ELSE GO TO 1960 01970 GO TO 1990 01980 P=183

^2460 GO TO 2500

ERIC

1990 PRINT 'THE PACKAGE PLAN IS 1995 PRINT IN IMAGE 'SSSSS.SS':P 1997 PRINT 02000 GO TO 2340 2010 IF B<=70 THEN P=32 ELSE GO TO 2030 02020 GO TO 2160 08030 'IF B=100 THEN P=34 FLSE GO TO 2050 02040 GO TO 2160 02050 IF B=125 THEN P=58 ELSE GO TO 2070 02060 GB TO 2160 02070 IF B=200 THEN P=56 ELSE 60 TO 2090 02080 GO TO 21KM 02090 IF B<=360 THEN P=84 ELSE GO TO 2110 02100 GO TO 2160 02110 IF B<=450 THEN P=108 ELSE GO TO 2130 02120 GO TO 2160 02130 IF B<=550 THEN P=120 ELSE GOTO 2150 02140 GO TO 2160 02150 P=164 2160 PRINT 'THE PACKAGE PLAN IS 2165 PRINT IN IMAGE !SSSS.SS'&P 2167 PRINT 02170 GO TO 2340 02180 IF B<270 THEN P=40 ELSE GO TO 2200 02190 GO TO 2330 02200 IF B<=100 THEN P=43 ELSE GO TO 2220 02210 GO TO 2330 02220 IF B=125 THEN P=65 ELSE GO TO 2240. 02230 GO TO 2330 02240 IF B<=200 THEN P=70 ELSE GO TO 2260 02250 GO TO 2330 02260 IF B<=360 THEN P=105 ELSE GO TO 2280 02270 GO TO 2330 02280 IF B<=450THEN P=135 ELSE GO TO 2300 02890 GO TO 2330 02300 IF B<=550 THEN P=150 ELSE GO TO 2320 02310 GOTO 2330 02320 P=205 2330 PRINT 'THE PACKAGE PLAN IS 2335 PRINT IN IMAGE 'SSSSS.SS'iP 2337 PRINT 8340 IF ES='NO' GO TO 8405 2350 IF C=6 THEN U=11 ELSE GO TO 2370 08360 GO TO 8400 2370 IF C=9 THEN U=14 ELSE GO TO 2390 02380 GO TO 2400 02390 U=18 2400 PRINT 'THE UNINSURED MOTORIST PRICE IS 2401 PRINT IN IMAGE 'SSSSSSS':U 2402 GO.TO 2420 2405 U=0 02420 IF SS='NO' GO TO 2640 02430 IF C=12 60 TO 2580 02440 IF C=9 GO TO 2520 02450 IF B<=200 THEN G=7 ELSE GO 10 2470

```
02470 IF B<=450 THEN G=11 ELSE GO TO 2490
02480 GO TO 2500
02490 G=14
2500 PRINT 'GUEST LIABILITY IS
2505 PRINT IN IMAGE *$$$$$$$$:G
2507 PRINT
2510 GO TO 2650
02520 IF B<=200 THEN G=10 ELSE GO TO 2540
02530 GO TO 2570
02540 IF B<=450 THEN G=14 ELSE GO TO 2560
02550 GO TO 2570
02560 G=19
2570 PRINT *GUEST LIABILITY IS
2571 PRINT IN IMAGE '$$$$$.$$':G
2572 'PRINT
2575 GO TO 2650
2580 IF B<=250 THEN G=12 ELSE GO TO 2600
02590 GO TO 2630
102600 I FB<=450 THEN G=18 ELSE GO TO 2620
08610 GO TO 8630 '
02620 G=24
2630 PRINT 'GUEST LIABILITY IS
2631 PHINT IN IMAGE 'SSSSS.SS'16
2632 PRINT
2635 GO TO 2650
02448 G#0
02650 X=P#U+G
2660 THE TOTAL COST OF INSURANCE ON YOUR MOTORCYCLE
2670 'FOR'; COMMONTHS IS
                          • ;
2671 PRINT IN IMAGE 'SSSSSSSS':X
26721 1
2673. * *
2680 'WOULD YOU LIKE TO RUN THIS PROGRAM AGAIN';
OR690 INPUT 25
02700 IF Z$='YES'GO TO 120
02710 'GOOD-BYE'
9999END
```

The following program, INSTABLE, was written by Steve Meer.

```
00100 DIML(3,8),C(4,4,7),J(4,4,7),S(4,4,7)
001/10 FOR S=110 2
00120 FOR S1=1 TO 7
04130 HEAD L(5,51)
00140 NEXT 51
00150 NEXT 5
00160 DATA 11,13,15,17,19,22,25,15
00170 DATA 17,20,23,26,30,35.
00180 FOR S=1~10 3
190 FOR 51=1 TO 3
200 FOR S2=1-10 6
210 READ C($,$1,$2)
280 NEXT 28
230 NEXT 51
240 NEXT 5
250 DATA 4.5.6.8.11.13.3.4.5.7.9.11.2.3.4.5.7.9.6.8.9.12.17.20
$60 DATA 5,6,8,11,14,17,3,5,6,8,11,14,8,10,12,16,22,26,6,8,10
270 DATA 14,18,22,4,6,8,10,14,18
280 FOR S#1 TO 3
290 FOR S1=1 TO 3
300 FOR S2=1 TO 3
310 HEAD J(S, S1, S2)
380 NEXT 58
330 NEXT 51
340 NEXT 5
350 DATA 11,13,15,18,21,24,10,11,13,16,18,21
360 DATA 9,10,12,14,17,19,17,20,23,27,32,36
370 DATA 15, 17, 20, 24, 27, 32, 14, 15, 18, 21, 26, 29
380 DATA 22,26,30,36,42,48,20,28,26,32,36,42
390 DATA: 18,20,24,28,34,38
400 FOR S=1 10 3
410 FOR SI=1 TO 3
486 FOIC S2=1 10 6
430 READ S(S,S1,S2)
440 NEXT SP
450 NEXT S1
460 NEXT S
470 DATA 14,15,18,28,0,0,12,14,16,19,0,0
480 DATA 11,12,14,17,0,0,21,23,27,33,0,0
490 DATA 18,21,24,29,0,0,17,18,21,26,0,0
500 DATA 28,30,36,44,0,0,24,28,32,34,0,0
510 DATA 22,24,28,34,0,0
520 'THIS PROGRAM WILL DETERMINE THE COST OF INSURING AN AUTOMOBILE
```

530 'YOU OWN OR WISH TO OWN. THE COMPUTER WILL ASK YOU A.

540 'NUMBER OF QUESTIONS. YOU WILL HAVE TO TYPE IN YOUR ANSWERS."

550 WHEN THE COMPUTER FINISHES ASKING A QUESTION IT WILL PRINT A

560 QUESTION MARK (7). TYPE IN YOUR ANSWER AFIER THE QUESTION MARK.

570 'AFTER YOU TYPE IN YOUR ANSWER PUSH THE "RETURN" KEY ON THE TELETYPE

```
580 PETAT
590 PRINI
910 PRINT
630 'ARE YOU A: '
640 1
          1.) SINGLE FEMALE STUDENT
650 °
          R.) SINGLE MALE STUDENT'
669 ' 3.) MARRIED STUDENT, MALE OR FEMALE!
670 'INPUT THE NUMBER NEXT TO THE CATEGORY THAT YOU!
680 'FIL INTO.';
690 INRUT A
700 IF A=1 On A=2 On A=3 THEN 720
710 GO 10, 🙌 O
770 TF GHI TOH A=2 THEN H=1 ELSE H=2
730 IF A=1 THEN B*=' SINGLE FEMALE STUDENT'
740 IF A=2 THEN BS=' SINGLE MALE STUDENT'
750 IF A=3 THEN BS=! MARRIED STUDENT!
760 PRINT
740 ************* POINT DEMEHITS**********
790 PRIMI
ROO FRINI
820 'FACH OF THE FOLLOWING THAFFIC VIOLATIONS IS WORTH 6.
830 'DEMERIT POINTS.'
840 *
          1.) DRUNK DRIVING!
R 50 *
          2.) NEGLIGENT VEHICULAR, HOMICIDE!
860 1
          3.) ANY FELONY!
870 1
          4.) UNLAWFUL USF OF DRIVER'S LICENSE'
880 *
         5.) DRAG HACING OR SPEED CONTESTS!
          6.) HIT AND RUN, OR FAILURE TO STOP AT THE SCENE!
891 *
              OF AN ACCIDENT!
900 *
         7.) RECKLESS DRIVING!
         8.) ACCIDENT AT FAULT!
980 THOW MANY TICKETS OF THE ABOVE TYPES HAVE YOU HAD!
930 'IN THE PAST 3 YEARS? IF NONE ENTER A ZERO (0). 1
950 INPUT E
951 IF E<>ABSCINICED THEN 920
960 XX#6*F
965 PHINT
UNG PHINT
970 **************** POINT DEMENTES***********
990 ' EACH OF THE FOLLOWING THAFFIC VIOLATIONS IS WORTH 4.
1000 ' DEMERIT POINTS.'
          1.) ILLEGAL PASSING'
1080 ...
          2.) OPERATION WITHOUT DRIVER''S LICENSE'
          3.) DRIVING TOO FAST FOR CONDITIONS
1030 '
1040 '
         4.) FAILURE TO HAVE VEHICLE UNDER CONTROL
           5.) DRIVING ON WHONG SIDE OF STREET!
1060 'HOW MANY OF THE ABOVE HAVE YOU BEEN TICKETED FOR IN.
1070 'THE PAST 3 YEARS? IF NONE ENTER A ZEHO (6) . . ;
1090 INPUT E
```

```
1400 IF E<>INT(ABS(E)) THEN 1060
1110 D=D+(4+F)
1180 PHIN1
1130 PHIN1
1160 TANY THAFFIC WIOLATION NOT PREVIOUSLY MENTIONED IS .
1170 'WORTH & DEMERIT POINTS'
1180 'HOW MANY 2 POINT TICKETS HAVE YOU RECEIVED IN THE PAST 3'
1190 'YEARS? IF NONE ENTER A ZERO (O).";
1200 INPUT E
1210 IF E<>INT(ABS(E)) THEN 1180
1880 D#D+(5*E)
1240 PRINT
1250 PHINI
1260 'HOW OLD IS THE CAR YOU WISH TO INSURE?"
         1.) I YEAR OR LESS!
TPHO * 2.0 2-3 YEARS!
1290 ' 3.) 4 YEARS OR MORE'
1300 'INPUT THE NUMBER WHICH DESCRIBES THE AGE OF YOUR CAR'
1301 'FROM THE ABOVE TABLE';
1310 INFUL 6
1 320 1F G=1 OF G=2 OF G=3 THEN 1340 -
1330 60 10 1300
TAIN PRINT
1350 PHINI
1360 'ASK YOUR INSTRUCTOR TO LOOK IN THE NADA BOOK AND FIND!
1370 THE INSURANCE SYMBOL OF THE CAR YOU WISH TO INSURE.
1380 'WHAL IS II';
1390 INPUT H
1400 FOR P=1 TO 7
1410 IF H=P THFN 1440
1480 NEXT P
1430 GO 10<sup>®</sup>13/60
1440 PHINI
1450 PHINT
1452 "IT IS REQUIRED BY LAW THAT YOU CARRY 15/30/5"
1453 'LIABILITY INSURANCE.'
1454 PRINT
1455 PHINT
1460 'DO YOU'WANT 15/30 UNINSUHED MOTORIST COVERAGE? IT IS ORTIONAL.
1470 'IT WILL PROTECT YOU AGAINGT OTHERS WHO DON'T HAVE INSURANCE.
1480 'TYPE EITHER YES OR NO!
1510 INPUL 25
1520 IF Z*='YES' THEN U=1/ELSE U=0
1540 IF 25= 'YES' OR 25= 'NO' THEN 1550
1545 GO TO 1480
1550 PRINT
1560 PHINT
1570 'WDESTION #9'
```

```
1580 'DO YOU WANT $500 PEH PERSON MEDICAL PAYMENTS COVERAGE?"
1581 'IT IS OPTIONAL' TYPE YES OR NO';
1590 INPUT P*
1600 IF P="YES" OH P54"NO" THEN1620
1610 GO TO 1580
1680 PHINT
1630 PRINT
1641 'DO YOU WANT $50 DEDUCTIBLE COMPREHENSIVE?"
1642 'IT IS OPTIONAL. TYPE YES OR NO. 1
1643 INPUT X®
1644 IF X = 'YFS'OR X = 'NO' THEN 1650
1645 60 10 1641
1650 IF D>+0 AND D<=6 THEN T1=1 ELSE IF D>6 AND D<=18 THEN T1=2
1651 'DO YOU WANT $100 DEDUCTIBLE PHYSICAL DAMAGE COVERAGE?'
1652 'THIS IS OPTIONAL ... TYPE YES OR NO!
1653 INPUT PF
1654 IF PS='YES' OR PS='NO' THEN 1660
1655 GO TO 1651
1660 IF D>18 THEN T1=3
1670 IF D<=3 THEN T=1 ELSE IF D>3 AND D <=5 THEN 1=2
1680 IF D>6 AND D<=9 THEN 1=3 ELSE IF D>9 AND D<=13 THEN T=4
16904F D>13 AND D<=18 THEN T=5 ELSE IF D>18 ANDD<=25 THEN T=6
1700 IF D>25 AND D<=33 THEN T=7
1710 h1=5(B,1)
1720 R2=C(11,G,H)
1730 IF H<>2 THEN R3=J(T1,G,H) ELSE R3=S(T1,G,H)
1741 'FOR A 'JB$J' WHO HAS A TOTAL OF 'JDJ' POINTS, YOUR PREMIUM WILL BE
1750 IF D<=33 THEN 1800
1760 PHINE
1770 TWE ARE UNABLE TO INSURE YOU OR YOUR CAR DUE TO POINTS!
1780 'ACQUIRED OVER THE LAST-3 YEARS."
1800 IF. H1<=15 THEN V=1 ELSE IF H1>15 AND R1<=30 THEN V=2 ELSE V=3
1810 PRINT
1820 PRINT
1830 PHINTINIMAGE 'YOUR MONTHLY LIABILITY RATE WILL BE $5555555555 181
1831 G#H1
1840 IF XS='NO' THEN 1860
1850 YOUR MONIHLY $50 DEDUCTIBLE COMPREHENSIVE
1852 G=G+H2
4HKO IF H3<>0 THEN 1865
1861 'WE AME NOT ABLE TO INSURE YOUR CAR BECAUSE OF ITS '
 1862 'TYPE AND BECAUSE OF YOUR DRIVING RECORD.'
 1865 FIF PS='NO' THEN 1890 (
```

1870 'YOUR MONTHLY \$100-DEDUCTIBLE'

1875 PRINTINIMAGE ' PHYSICAL DAMAGE RATE WILL BE \$555555555. ':R3

1880 G#G+H3

1890 IF U=O THEN 1920

1900 'YOUR MONTHLY UNINSURED MOTORIST COVERAGE'

1905

RATE WILL BE

1910 G=G+0 .

1920 IF Pf='NO' THEN 1950

1930 'YOUR MONTHLY MEDICAL PAYMENTS COVEHAGE'

1935PHINTINIMAGE .

1940 G=G+V

1945 PRINT

1950 PRINTINIMAGE 'YOUR TOTAL MONTHLY PAYMENT WILL BE \$\$\$\$\$\$\$\$\$\$. ':G

1960 PHINTINIMAGE 'YOUR TOTAL YEARLY PAYMENT WILL BE \$5555555555555 ': G*12

10000END

