



50 256 Program Description I

Program Title Trade Business Plan Game

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Program Description, Equations, Variables _____

The average price multiplied with the function

$$1000 \cdot -10x - \frac{(1000 \cdot -10x)}{100} y$$

x = average price

y = 00 by 5 companies

y = 20 " 4 "

y = 40 " 3 "

y = 60 " 2 "

will be the total sales in the period. The percent difference
between average price and companies price, calculated with the
average sales will be the real "sold units" for each company.
The sold units will be subtracted from the stock and stored
for further use.

Operating Limits and Warnings Every participant has to make a price entry.

This program has been verified only with respect to the numerical example given in *Program Description II*. User accepts and uses this program material AT HIS OWN RISK, in reliance solely upon his own inspection of the program material and without reliance upon any representation or description concerning the program material.

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Program Description

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Sample Problem(s) _____		Period 2 _____	
Price: Expected between 1 and 99			
Ordered Units: Expected between 1 and 999		Company No. 1. ***	
Input: pp.uuu Example: 55.080		Sales 4929. ***	
Cost for Stock/period and unit = 5		Purchases -3000. ***	
Cost for order = 600		Stock Cost -5. ***	
Cost for company = 150		Order/Company Cost -750. ***	
		Profit 1150. ***	
		Equity 2000. ***	
Status Period 1		sold units 50. ***	
Company 1 Company 2		units in stock 2. ***	
Stock: 0 units 100 units			
Equity: 850 1350		Company No. 2. ***	
		Sales 4909. ***	
		Purchases 0. ***	
		Stock Cost -91. ***	
		Company Cost -150. ***	
		Profit 4069. ***	
Solution(s) _____		Equity 5010. ***	
Keystrokes		sold units 02. ***	
50.100 A		units in stock 10. ***	
60.000 B			
fa see print			
		total sales 100. ***	
		average price 55. ***	
Price of purchase for the next period		42. ***	

Reference(s) The number generator for "Price of purchase" is based
on HP-97 standard pac "Arithmetic Teacher"



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Program Listing I

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STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
001	*LBLA	21 11		057	GT07	22 07	
002	0	00		058	F+S	16-51	
003	STOI	35 46		059	RCL9	36 09	
004	GSB8	23 08		060	RCL8	36 08	
005	RTN	24		061	=	-24	
006	*LBL6	21 12		062	X+Y	-41	
007	1	01		063	%CH	16 55	
008	STOI	35 46		064	X+Y	-41	
009	GSB8	23 08		065	1	01	
010	RTN	24		066	0	00	
011	*LELC	21 13		067	CHS	-22	
012	2	02		068	X	-35	
013	STOI	35 46		069	EEX	-23	
014	GSB8	23 08	Acceptance and	070	3	03	
015	RTN	24	add to stock	071	+	-55	
016	*LBLD	21 14		072	RCL8	36 08	
017	3	03		073	X+1	16-41	
018	STOI	35 46		074	GSB1	23 45	
019	GSB8	23 08		075	%	55	
020	RTN	24		076	-	-45	
021	*LBL5	21 15		077	RCL8	36 08	
022	4	04		078	÷	-24	
023	STOI	35 46		079	F+S	16-51	
024	*LBL8	21 08		080	X+Y	-41	
025	R↓	-31		081	%	55	
026	ENT↑	-21		082	-	-45	
027	FRC	-16 44		083	X<0?	16-45	
028	EEX	-23		084	CF1	16 22 01	
029	3	03		085	X+1	16-41	
030	X	-35		086	2	02	
031	ST+1	35-55 45		087	0	00	
032	R↓	-31		088	-	-45	
033	X+1	-16-41		089	X+1	16-41	
034	2	02		090	F1?	16 23 01	
035	0	00		091	ST-1	35-45 45	
036	+	-55		092	X+1	16-41	
037	X+1	-16-41		093	5	05	
038	STOI	35 45		094	+	-55	
039	RND	16 24		095	X+1	16-41	
040	1	01		096	F1?	16 23 01	
041	9	09		097	STOI	35 45	
042	STOI	35 46		098	X+1	16-41	
043	R↓	-31		099	1	01	
044	ST+1	35-55 45		100	6	06	
045	DSZ1	16 25 46		101	+	-55	
046	ISZ1	16 26 45		102	2	02	
047	RTN	24		103	4	04	
048	*LBLA	21 16 11		104	X+Y	-41	
049	2	02		105	X+Y?	16-34	
050	0	00		106	GT07	22 07	
051	STOI	35 46		107	X+1	16-41	
052	*LBL9	21 09		108	GT09	22 09	
053	SF1	16 21 01		109	*LBL7	21 07	
054	RCL1	36 45		110	0	00	
055	RND	16 24		111	STOI	35 46	
056	X=0?	16-43		112	*LBL0	21 00	

Calculating
sold units
for each
company

REGISTERS

0 Stock	1 Stock	2 Stock	3 Stock	4 Stock	5 Sales	6 Sales	7 Sales	8 Sales	9 Sales
1	2	3	4	5	1	2	3	4	5
S ⁰ Equity	S ¹ Equity	S ² Equity	S ³ Equity	S ⁴ Equity	S ⁵	S ⁶ Number generat	S ⁷ price of purch.	S ⁸ No. of comp.	S ⁹ Selling prices
1	2	3	4	5					
A ⁰ price/order Company 1	B ¹ price/order Company 2	C ² price/order Company 3	D ³ price/order Company 4	E ⁴ price/order Company 5					I ⁵ used



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STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
113	RCL1	36 45					
114	X<0?	16-45					
115	GSE6	25 06					
116	1921	16 26 46					
117	RCL1	36 46					
118	5	05					
119	X*Y?	16-32					
120	GT00	22 00					
121	*LBL6	21 16 12					
122	PSE	16 51					
123	GT06	22 16 12					
124	*LBL6	21 06		180			
125	X#1	16-41					
126	5	05					
127	+	-55					
128	X#1	16-41					
129	ST+1	35-55 45					
130	X#1	16-41					
131	5	05					
132	-	-45					
133	X#1	16-41					
134	0	00		190			
135	ST01	35 45					
136	RTN	24					
137	*LBL2	21 02					
138	ST01	35 46					
139	R↓	-31					
140	6	06					
141	0	00					
142	RTN	24					
143	*LBL3	21 03					
144	ST01	35 46		200			
145	R↓	-31					
146	4	04					
147	0	00					
148	RTN	24					
149	*LBL4	21 04					
150	ST01	35 46					
151	R↓	-31					
152	2	02					
153	0	00					
154	RTN	24		210			
155	*LBL5	21 05					
156	ST01	35 46					
157	R↓	-31					
158	0	00					
159	RTN	24					
160	*LBL6	21 16 13					
161	P2S	16-51					
162	ST07	35 07					
163	SIN	41					
164	JX	54					
165	ST06	35 06		220			
166	P2S	16-51					
167	RTN	24					
168	R/S	51					

Label
First "Price
of purchase"

LABELS					FLAGS	SET STATUS		
A	B	C	D	E	0	FLAGS		TRIG
Company1	Company2	Company3	Company4	Company5				DISP
a	b	c	d	e	1	ON OFF		
Start	Card 2	1st price			used	0	☐	DEG ☒
0	1	2	3	4	2	1	☐	GRAD ☐
used		used	used	used		2	☐	RAD ☐
5	6	7	8	9	3	3	☐	ENG ☐
used	used	used	used	used				n 0



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STEP	KEY ENTRY	KEY CODE	COMMENTS	STEP	KEY ENTRY	KEY CODE	COMMENTS
001	#LBLQ	21 15 11		057	PRTX	-14	
002	2	02		058	SPC	16-11	
003	0	00		059	SPC	16-11	
004	GSE1	23 01		060	SPC	16-11	
005	2	02		061	SPC	16-11	
006	1	01		062	RTN	24	
007	GSE1	23 01		063	*LBL1	21 01	
008	2	02		064	STOI	35 46	
009	2	02		065	RCLi	36 45	
010	GSE1	23 01		066	X=02	16-43	
011	2	02		067	RTN	24	
012	3	03		068	RCLi	36 46	
013	GSE1	23 01		069	1	01	
014	2	02		070	9	05	
015	4	04		071	-	-45	
016	GSE1	23 01		072	PRTX	-14	
017	SPC	16-11		073	SPC	16-11	
018	SPC	16-11		074	RCLi	36 45	
019	RCL9	36 09		075	ENT↑	-21	
020	RCL8	36 08		076	ENT↑	-21	
021	+	-55		077	INT	16 34	
022	RCL7	36 07		078	X=I	16-41	
023	+	-55		079	1	01	
024	RCL6	36 06		080	5	05	
025	+	-55		081	-	-45	
026	RCL5	36 05		082	X=I	16-41	
027	+	-55		083	RCLi	36 45	
028	PRTX	-14		084	X	-35	
029	0	00		085	PRTX	-14	
030	STO9	35 09	Print Market Analysis	086	X=Y	-41	
031	STO8	35 08		087	FRC	16 44	
032	STO7	35 07		088	X=02	16-43	
033	STO6	35 06		089	SFO	16 21 00	
034	STO5	35 05		090	EEX	-23	
035	P=S	16-51		091	3	03	
036	RCL9	36 09		092	X	-35	
037	RCL8	36 08		093	P=S	16-51	
038	÷	-24		094	RCL7	36 07	
039	PRTX	-14		095	P=S	16-51	
040	0	00		096	X	-35	
041	STO9	35 09		097	CHS	-22	
042	STO8	35 08		098	PRTX	-14	
043	RCL6	36 06		099	+	-55	
044	9	09		100	X=I	16-41	
045	9	09		101	5	05	
046	7	07		102	-	-45	
047	X	-35		103	X=I	16-41	
048	FRC	16 44	Calculating Price of purchase for next period	104	RCLi	36 45	
049	STO6	35 06		105	5	05	
050	JX.	54		106	X	-35	
051	6	06		107	CHS	-22	
052	0	00		108	PRTX	-14	
053	X	-35		109	+	-55	
054	INT	16 34		110	F02	16 23 00	
055	STO7	35 07		111	GT02	22 02	
056	P=S	16-51		112	7	07	

REGISTERS

0 Stock	1 Stock	2 Stock	3 Stock	4 Stock	5 Sales	6 Sales	7 Sales	8 Sales	9 Sales
1	2	3	4	5	1	2	3	4	5
S0Equity	S1Equity	S2Equity	S3Equity	S4Equity	S5	S6 number	S7 price of	S8 No. of	S9 Selling
1	2	3	4	5		generat	purch.	comp.	prices
A Company 1	B Company 2	C Company 3	D Company 4	E Company 5	F used				

Card 2
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KEY ENTRY KEY CODE

Program Listing II

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