HP-35s Calculator Program –
Declining Balance OR Sum Of The Years Digits Depreciation

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Line	Instruction	Process	User Instruction
Y001	LBL Y	Establishing the library	
Y002	0		
Y003	STO D		Assuring 0 value for D & I
Y004	STO I		
Y005	STO Y		Key in using EQN, RCL S, RCL O, etc
Y006	SOYD DEPRECIATION		×
Y007	PSE		÷
Y008	INPUT Y		√x
Y009	x≠0?	To chose SOYD use value other than 0	
Y010	GTO Y018		
Y011	DECL BAL DEPR		
Y012	PSE		
Y013	INPUT Y		
Y014	x≠0?	To chose Declining Balance use value other than 0	
Y015	GTO Y068		
Y016	x=0?	If 0 value is given repeatedly the loop continues until	
Y017	GTO Y006	user choses a process	
Y018	USEFUL LIFE	Prompt for Useful life years input	
Y019	PSE		
Y020	INPUT N	Input the number of years	
Y021	STO T	Processing the number	Nomenclature:
Y022	STO X		
Y023	1		C = Initial Cost
Y024	-		D = Total Depreciation
Y025	STO T	Storing the factorized integer for years	I = Incremental Depreciation
Y026	x≤0?		J = Years of use before selling
Y027	GTO Y023		N = nth year or year for salvage sale
Y028	RCL X		S = Expected Salvage Value
Y029	+		T = Identical to N but transforms to
Y030	STO X		the sum of digits 1 through n
Y031	CLSTK	Input the amount of gallons if this is the chosen process	inclusive
Y032	RCL T		
Y033	GTO Y012		
Y034	INI COST	Prompt for initial cost	
Y035	PSE		
Y036	INPUT C	Input the initial cost	
Y037	SALVAGE VALUE	Prompt for Salvage Value	
Y038	PSE		
Y039	INPUT S	Input Salvage Value	
Y040	YEAR TO SELL	Prompt for year planning to sell	
Y041	PSE		
Y042	INPUT J	Input the year planned to sell	
Y043	+/-		
Y044	RCL N		
Y045	+		
Y046	1		
Y047	+		
Y048	RCL C		
Y049	RCL S		
Y050	-		
Y051	×		
Y052	RCL X		
Y053	STO T		
Y054	÷		
Y055	STO I		
Y056	RCL D		
Y057	+		
Y058	STO D		

Y059	RCL J		
Y060	1		
Y061	-		
Y062	STO J		
Y063	x>0?		
Y064	GTO Y032	Loop processing one by one years of depreciation	
Y065	VIEW D	Viewing total depreciation	
Y066	GTO Y097		
Y067	VIEW D		
Y068	INI COST		
Y069	PSE		
Y070	INPUT C		
Y071	FACTOR OF DEPR	Single depreciation, double, or any in between	
Y072	PSE		
Y073	1 SINGL 2 DOUBL		
Y074	PSE		
Y075	INPUT F		
Y076	YEAR TO SELL		
Y077	PSE		
Y078	INPUT J		
Y079	USEFUL LIFE		
Y080	PSE		
Y081	INPUT N		
Y082	1/x		
Y083	RCL F		
Y084	×		
Y085	+/-		
Y086	1		
Y087	+		
Y088	RCL J		
Y089	y^x		
Y090	+/-		
Y091	1		
Y092	+		
Y093	RCL C		
Y094	×		
Y095	STO D		
Y096	VIEW D		
Y097	STOP		
Y098	RTN		

Program for HP35s that performs Declining Balance Depreciation or Sum Of Digits Depreciation