

SPEED, DISTANCE, AND TIME

This program computes speed, time, and distance, when 2 of the 3 quantities are known.

To run program-

Enter 2 known quantities,

Key in time in HH.MMSS format, press A.

Key in distance, press B.

Key in speed, press C.

Program will compute the unknown quantity.

001 LBL A 31 25 11	Enter time	040 GTO fA 22 31 11	
002 DSP 0 23 00		041 RCL C 34 13	
003 fH← 31 74		042 RCL A 34 11	
004 3 03		043 X=Y? 32 51	
005 6 06		044 GTO fB 22 31 12	
006 0 00		045 R/S 84	
007 0 00		046 gLBL A 32 25 11	Compute time
008 x 71		047 DSP 6 23 06	
009 STO 1 33 01		048 RCL 2 34 02	
010 1 01		049 RCL 3 34 03	
011 STO A 33 11		050 ÷ 81	
012 RCL C 34 13		051 g→H.MS 32 74	
013 X=Y? 32 51		052 fCL REG31 43	
014 GTO fB 22 31 12		053 R/S 84	
015 RCL A 34 11		054 gLBL B 32 25 12	Compute distance
016 RCL B 34 12		055 DSP 3 23 03	
017 X=Y? 32 51		056 RCL 1 34 01	
018 GTO fC 22 31 13		057 RCL 3 34 03	
019 R/S 84		058 x 71	
020 LBL B 31 25 12	Enter distance	059 3 03	
021 DSP 0 23 00		060 6 06	
022 STO 2 33 02		061 0 00	
023 1 01		062 0 00	
024 STO B 33 12		063 ÷ 81	
025 RCL A 34 11		064 fCL REG31 43	
026 X=Y? 32 51		065 R/S 84	
027 GTO fC 22 31 13		066 gLBL C 32 25 13	Compute speed
028 RCL B 34 12		067 DSP 3 23 03	
029 RCL C 34 13		068 RCL 2 34 02	
030 X=Y? 32 51		069 3 03	
031 GTO fA 22 31 11		070 6 06	
032 R/S 84		071 0 00	
033 LBL C 31 25 13	Enter speed	072 0 00	
034 DSP 0 23 00		073 x 71	
035 STO 3 33 03		074 RCL 1 34 01	
036 1 01		075 ÷ 81	
037 STO C 33 13		076 fCL REG31 43	
038 RCL B 34 12		077 R/S 84	
039 X=Y? 32 51			