

COMPUTER PROGRAM COLLECTION
TABLE OF CONTENTS

ARRAY PROGRAMS

(1). ADD ROWS, ADD COLUMNS	(34).	(67).
(2). BINARY SEARCH	(35).	(68).
(3). BOUNDARY VALUES	(36).	(69).
(4). ADDING TWO ARRAYS (1 D)	(37).	(70).
(5). BRICK WALL	(38).	(71).
(6). COUNTING THE ANIMALS	(39).	(72).
(7). FIFTEEN TWO (CRIBBAGE)	(40).	(73).
(8). MAGIC SQUARE	(41).	(74).
(9). MEDIAN VALUE	(42).	(75).
(10). MERGE TWO SORTED ONES	(43).	(76).
(11). MONOTONES	(44).	(77).
(12). NEW DECK SHUFFLE	(45).	(78).
(13). ONE TO ONE	(46).	(79).
(14). PARTITIONS	(47).	(80).
(15). QUEENS (CHESS)	(48).	(81).
(16). SIN X (INFINITE SERIES)	(49).	(82).
(17). SIN X (SEQUENCE)	(50).	(83).
(18). BUBBLE SORT	(51).	(84).
(19). SLIDE SORT	(52).	(85).
(20). SORT BY FINDING THE SMALLEST	(53).	(86).
	(54).	(87).
21). QUICK SORT	(55).	(88).
22). TREE SORT	(56).	(89).
(23). SORT PRESIDENTS	(57).	(90).
(24). SORT (ROW BY ROW)	(58).	(91).
(25). 7TH # IN SEQUENCE	(59).	(92).
(26). PICKING THE LARGEST	(60).	(93).
(27). SUM OF DIE HISTOGRAM	(61).	(94).
(28).	(62).	(95).
(29).	(63).	(96).
(30).	(64).	(97).
(31).	(65).	(98).
(32).	(66).	(99).
(33).		

Dim A(5)

For R = 1 to 5

For C = 1 to 5

READ A(R, C)

NEXT C

DATA 5, 3, 13, 12.5, 2, 4, 6, 8, . . .

For R = 1 to 5

For C = 1 to 5

$A(R, C) = A(R, S) + A(S, C)$

NEXT R

For C = 1 to 5

For R = 1 to 5

$A(C, C) = A(C, R) + A(R, C)$

NEXT C

For R = 1 to 6

For C = 1 to 5

NEXT R