```
Block:Block_0
temporary_2 := new BS
temporary_3 := new BS
Argument: temporary_4 := 20
temporary_1 := call Start, 1
Print: temporary_1

Block:Block_2
param sz
Argument: temporary_6 := sz
temporary_5 := call Init, 1
aux01 := temporary_5
temporary_7 := call Print, 0
aux02 := temporary_7
Argument: temporary_9 := 8
temporary_8 := call Search, 1
iffalse temporary_8 goto Block_4

Block:Block_3
Print: 1
goto Block_5

Block:Block_4
Print: 0
goto Block_5

Block:Block_5
Argument: temporary_11 := 19
temporary_10 := call Search, 1
iffalse temporary_10 goto Block_7

Block:Block_6
Print: 1
goto Block_8

Block:Block_7
Print: 0
goto Block_8

Block:Block_8
Argument: temporary_13 := 20
temporary_12 := call Search, 1
iffalse temporary_12 goto Block_10

Block:Block_9
Print: 1
goto Block_11

Block:Block_10
Print: 0
goto Block_11

Block:Block_11
Argument: temporary_15 := 21
temporary_14 := call Search, 1
iffalse temporary_14 goto Block_13

Block:Block_12
Print: 1
goto Block_14

Block:Block_13
Print: 0
goto Block_14

Block:Block_14
Argument: temporary_17 := 37
temporary_16 := call Search, 1
iffalse temporary_16 goto Block_16

Block:Block_15
Print: 1
goto Block_17

Block:Block_16
Print: 0
goto Block_17

Block:Block_17
Argument: temporary_19 := 38
temporary_18 := call Search, 1
iffalse temporary_18 goto Block_19

Block:Block_18
Print: 1
goto Block_20

Block:Block_19
Print: 0
goto Block_20

Block:Block_20
Argument: temporary_21 := 39
temporary_20 := call Search, 1
iffalse temporary_20 goto Block_22

Block:Block_21
Print: 1
goto Block_23

Block:Block_22
Print: 0
goto Block_23

Block:Block_23
Argument: temporary_23 := 50
temporary_22 := call Search, 1
iffalse temporary_22 goto Block_25

Block:Block_24
Print: 1
goto Block_26

Block:Block_25
Print: 0
goto Block_26

Block:Block_26
return 999

Block:Block_27
param sz
bs01 := false
temporary_24 := length number
right := temporary_24
temporary_25 := right - 1
right := temporary_25
left := 0
var_cont := true
aux01 := 0
goto Block_28

Block:Block_28
iffalse var_cont goto Block_30

Block:Block_29
temporary_26 := left + right
medium := temporary_26
Argument: temporary_28 := medium
temporary_27 := call Div, 1
medium := temporary_27
temporary_29 =: number[medium]
aux01 := temporary_29
temporary_30 := num < aux01
iffalse temporary_30 goto Block_32

Block:Block_30
Argument: temporary_38 := aux01
Argument: temporary_39 := num
temporary_37 := call Compare, 2
iffalse temporary_37 goto Block_40

Block:Block_31
temporary_31 := medium - 1
right := temporary_31
goto Block_33

Block:Block_32
temporary_32 := medium + 1
left := temporary_32
goto Block_33

Block:Block_33
Argument: temporary_34 := aux01
Argument: temporary_35 := num
temporary_33 := call Compare, 2
iffalse temporary_33 goto Block_35

Block:Block_34
var_cont := false
goto Block_36

Block:Block_35
var_cont := true
goto Block_36

Block:Block_36
temporary_36 := right < left
iffalse temporary_36 goto Block_38

Block:Block_37
var_cont := false
goto Block_38

Block:Block_38
goto Block_28

Block:Block_39
bs01 := true
goto Block_41

Block:Block_40
bs01 := false
goto Block_41

Block:Block_41
return bs01

Block:Block_42
param num
count01 := 0
count02 := 0
temporary_40 := num - 1
aux03 := temporary_40
goto Block_43

Block:Block_43
temporary_41 := count02 < aux03
iffalse temporary_41 goto Block_45

Block:Block_44
temporary_42 := count01 + 1
count01 := temporary_42
temporary_43 := count02 + 2
count02 := temporary_43
goto Block_43

Block:Block_45
return count01

Block:Block_46
param num2
param num1
retval := false
temporary_44 := num2 + 1
aux02 := temporary_44
temporary_45 := num1 < num2
iffalse temporary_45 goto Block_48

Block:Block_47
retval := false
goto Block_49

Block:Block_48
temporary_47 := num1 < aux02
temporary_46 := ! temporary_47
iffalse temporary_46 goto Block_51

Block:Block_49
return retval

Block:Block_50
retval := false
goto Block_52

Block:Block_51
retval := true
goto Block_52

Block:Block_52
goto Block_49

Block:Block_53
j := 1
goto Block_54

Block:Block_54
temporary_48 := j < size
iffalse temporary_48 goto Block_56

Block:Block_55
temporary_49 =: number[j]
Print: temporary_49
temporary_50 := j + 1
j := temporary_50
goto Block_54

Block:Block_56
Print: 99999
return 0

Block:Block_57
param sz
j := 1
size := sz
temporary_51 := new int[],sz
number := temporary_51
temporary_52 := size + 1
k := temporary_52
goto Block_58

Block:Block_58
temporary_53 := j < size
iffalse temporary_53 goto Block_60

Block:Block_59
temporary_54 := 2 * j
aux01 := temporary_54
temporary_55 := k - 3
aux02 := temporary_55
temporary_56 := aux01 + aux02
number := j[temporary_56]
temporary_57 := j + 1
j := temporary_57
temporary_58 := k - 1
k := temporary_58
goto Block_58

Block:Block_60
return 0
```