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Date \$357196112 0 1210/20 Schunger 1 5012 1 5012



Stacks & Queves
Linked LISTS

Binary Seach Hees

Heaps

Graphs

Program
in a reason able

ALW J

500 dillens

(Bubble Sort)

Comparison count/LIST Size IS n

0000

n-1 compartionso go through the

herd to go through the

2 = 1024

(n-1) (n-1)

2/, cco, cco = 220

50 $= n^2 - 2n + 1$

[Marge Set

nologh

10²-2n-1

10²-2n-1

10²-2n-1

100²-20+1

1000-200+1

1000-200+1

(1002-200+1

(1002-200+1

(1002-200+1

(1002-200+1)

(1002-2000+1

(1002-2000+1)

(1002-2000+1)

(1002-2000+1)

(1002-2000+1)

0 1 2 / 2 63
4/16/8
10/100/40
100 10,000 700
1,000 106 104c
108 1012 20/07
109/10/18/3.80%
1

Bubble Sort

To 8 comparisons

109 comparisons = 109

Sec

Se 109 sees - 107 m

107 m/n = 105 Hours

105 harry = 4, 103 days

4.10³ Jays

Merge Scrt

3× lo 10

Coples

108

Coples = 3×10° Sec

See

- 3ccsec

Bed See 5 mm

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JUNKIS CISTS		
3 Bandy Swith trus		
To Hungs		
(3) Grapus		
	Sample	ed spen