C 86-12

DAA -410715

(a) To input he slewents cost of its operation. using Aggregate mested Care 1º of we don't take read to allocate new memory = 0 (1) Care 2? of we allocate new memory P=20+1 R212 to include the capacity and double the soyed array il 10 -i. We need to allocate new wenevry. Copy oner 2º numbers from old to new array and object now heurber Running Time = 2541 (Con 1 Otherwore Cose 2

Albourthy method

The operations which cause capacity to include are expensive

6 1 2 3 4 5

1 2 3

When size is changed from 400; the size to doubted and number, are copied from old to now one

~ No of Consecutive in +(1) = 2k+1-(2k+1)-1(0x)2k-1-1

 $\frac{2^{k+1}}{2^{k+1}} \approx 2 \quad \text{if } c = \text{longe}$