Data Structures

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Data Data

Dels four Data

Pseudoc ode?

And Pseudoc ode?

Practical Eng + Partial Code

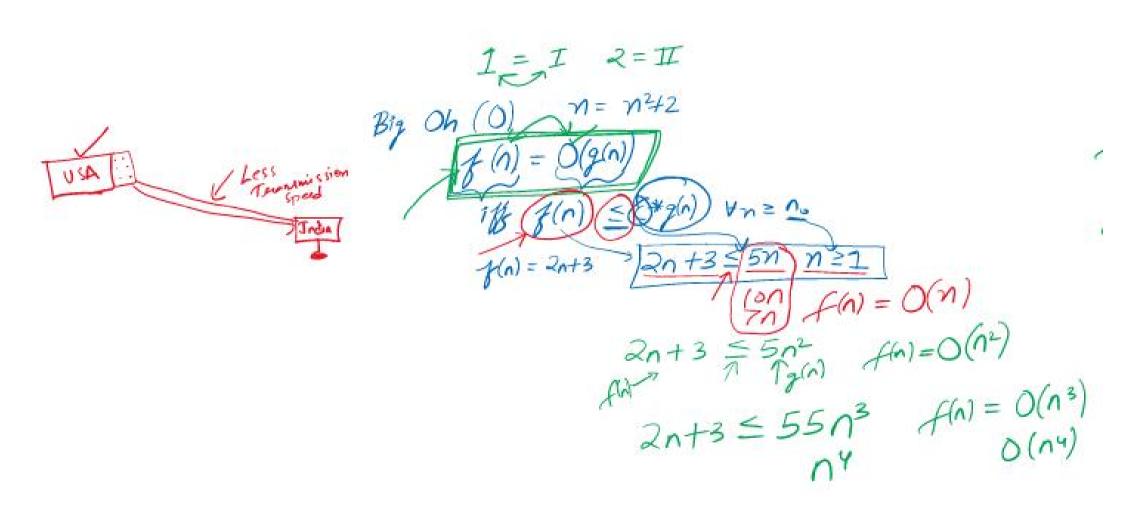
Therefore

Therefore

And Pappend

Tolerafreeding

Add/Append



$$f(n) = 2n^{2} + 4$$

$$g(n) = 2n^{2} + 4n^{2}$$

$$g(n) = 6n^{2}$$

$$0(g(n))$$

$$0(n^{2})$$

$$0(2^{n})$$

$$f(n) = 2^{\frac{1}{2}}$$

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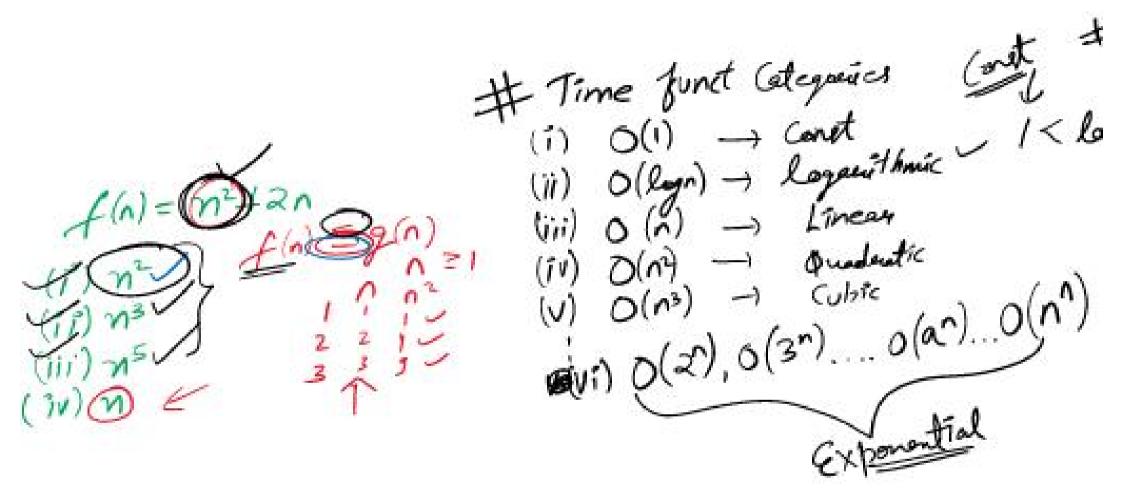
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Timety 7 Days N=VVB32 N=VVB32 N = VVB32 N = VVB32 Big Oh: Upper Bound Vigger dates

Lower Bound SL(n), $SL(n^2)$, S(1), $S(2^n)$ 2(n) < logn < n < n2. 2(1), 2(logn) 4(n2)

 $f(n) \geq c * g(n)$ $f(n) = n^2 + 3$ $f(n) = n^2 + 3$

That (Θ) $\beta(n) = O(g(n))$ $\beta(n) = (2n+3n) \le (2+2n)$ $2n \le 2n+3 \le 5n$ 2n, 3n, 4n, 5n

1

"LX

Notations are Dil Joseph W Core Midde Between & Bound

per(i=n; 2>0; 2--)

{ S+ O(1)

3 O(n)

βρη(i=0;i<n;i+1)

{ st 6(1)

}

