1 Fe Khour Hakim knowson

Q.2 ...

n= 45x2+771

= 861

We know if n=2+2+1, the servial of Second last man is 21+1; where 170 and m is maximized.

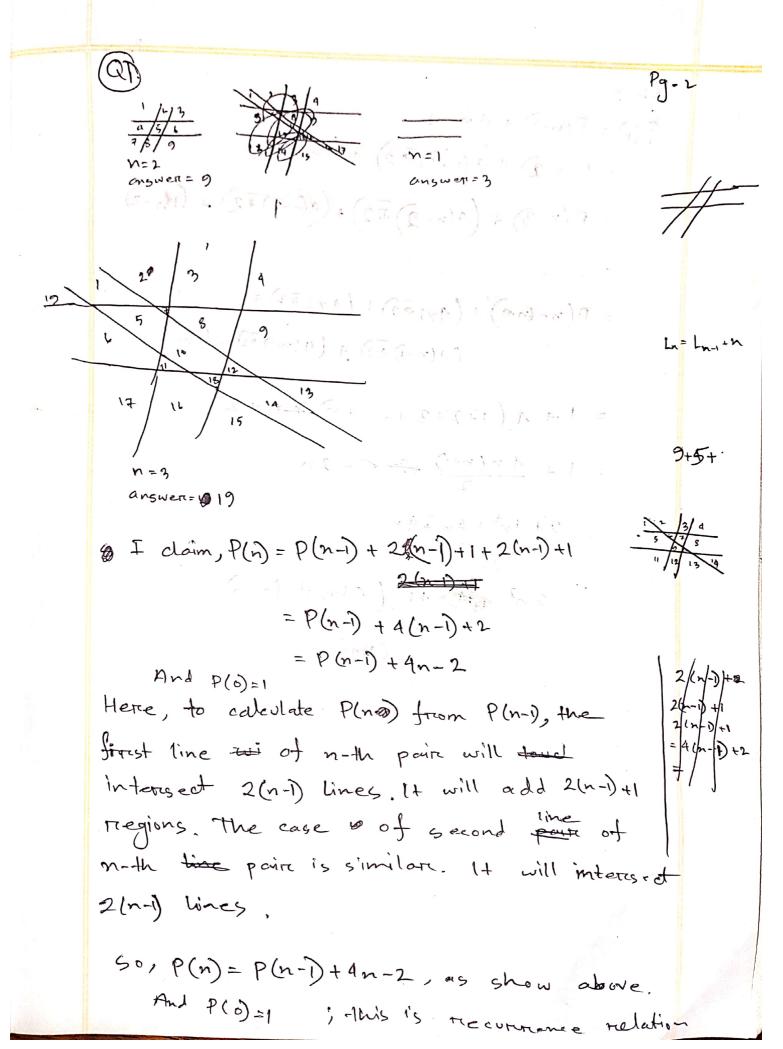
 $n=861=\frac{3}{2}\frac{8}{12}$ $2^{9}+8+93$ So, Serval of second last mon is $(2\times98+1)=187$

Now, we know if $n = 2^{n} + 1$, berial of seond last man is 2l + 1; where $l \ge 0$ and $m \ge 0$ maximized,

n=861 = 2+ 349

50, servial of last man is = 399×2+1 = 699

So, 699 and 187 one last twos



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Now,

$$P(n) = P(n-1) + an-2$$

 $= P(n-2) + (a(n-1)+2) + ($

$$= 1 + 4 (1+2+3+...+n) + -n \times 2$$

$$= 1 + 4 n(n+1) + 2n n - 2n$$

$$= \frac{2+4n+4n+4n}{2} + \frac{4n}{2} +$$

= 2n2 month (closed form)
(Ans)

Land (m) ? and (constitution of an

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- ind (m)

1(0)=P(0-1)+4~-2 ... show .b...

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