	I	Date
	Nama: Prames Pay Lapiron	-
	NPM: (a0010210059 - A	
	Sliden: 29	
	306.	
	5 n ²	
	not Nots	
	$an = n^2$, $bn \ge n^2$	
	ns rs ns	
	an = n2	P>1 Mail
	note no neigen	P>1 malca
	corona n2 (1 dem 5 1 konvermen make 6	n² Icenia.
		nort (convergen
	1	
2.	<u>~</u> 1	
	n=6 n-5	
	an = 1 > bn = 1 - P 00 1 - b uji banding P(P=1),	P = 1, mata
	n-5 n nz n diergen	- Inca
	carena 1 > 1 dan & 1 divergen maker & 1	divergen
	n-5 h n=1 h n=6 n-	
3,	2 7	
	2 2h H	
	an = 1 (bn = 1	
	2 ² +1 2 ⁿ	
	3 Up bn	
	2 lim 5 1 dx = -1 + c]b	
	nz 2 b-0 0 2 200 [n(2) 22]	
	- lim - 1 - [-1	(
	$b + \infty$ $[n(2).2^{n}]$ $[n(2)2^{i}]$	6) 2
	- · · · · · · · · · · · · · · · · · · ·	
	(0,6.)(2)	
	karena an = 1 (bn 1 dan & 1 tenungen, ma	cer
-	2 ft 2" n=1 2"	
+	2 Convergen	
	n=1 2"H	

TIARA SHAKTI MAKMUR

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an $\frac{1}{5}$ the $\frac{1}{1}$ to	& 6+Cos	<u>n</u>	10	
an $\frac{1}{n^2}$ the second converge on the se	A Z n2		3 17	4.3
The state of the		osh / bn = 8	0 7 9 7 1	
towers an $=$ $\frac{b+ces}{n^2}$ $\frac{b}{n^2}$ $\frac{s}{n^2}$	an bi	n ²	2 1 7	on banding P(P)
$\frac{1}{\sum_{n=1}^{\infty} \frac{1}{n^2}} \frac{1}{\sqrt{2n-1}} = \frac{1}{\sum_{n=1}^{\infty} \frac{1}{\sqrt{n}}} \frac{1}{\sqrt{2n}} = \frac{1}{\sum_{n=1}^{\infty} \frac{1}{\sqrt{n}}} \frac{1}{\sqrt{2n}} = \frac{1}{\sum_{n=1}^{\infty} \frac{1}{\sqrt{n}}} \frac{1}{\sqrt{2n}} = \frac{1}{\sum_{n=1}^{\infty} \frac{1}{\sqrt{2n}}} = \frac{1}{\sum_{n=1}^{\infty} \frac{1}{\sqrt{2n}}} \frac{1}{$	All the second s		1	mara in Converger
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$\frac{\chi}{n} \frac{\zeta + d \zeta}{n^2} \frac{n}{n^2}$ $\frac{\zeta}{n} \frac{1}{\sqrt{2n-1}}$ $\frac{dn}{\sqrt{2n-1}} \frac{1}{\sqrt{2n}} \frac{dn}{\sqrt{2n}} \frac{dn}{\sqrt{2n}} \frac{1}{\sqrt{2n}} \frac{dn}{\sqrt{2n}} \frac{dn}{$	5	n	n ² n ²	
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an: $\frac{1}{\sqrt{2n-1}}$ > $\frac{1}{\sqrt{2n}}$ > $\frac{1}{\sqrt{2n}}$ $\frac{1}{\sqrt$	5 -			
an: $\frac{1}{\sqrt{2n-1}}$ $\frac{1}{\sqrt{2n}}$ $\frac{1}{2$			and the same of th	
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by the strong en the following en the strong en to the s	NAMES OF TAXABLE PARTY AND POST OF TAXABLE PARTY.	-	-5-5	
barn dr. > bn = 1 dan & dreergan, meta, \[\sum_{2n-1} \sum_{2n} \sum_{2n} \sum_{2n} \] \[\sum_{2n-1} \sum_{2n} \sum_{2n} \sum_{2n} \] \[\sum_{2n-1} \sum_{2n-1} \sum_{2n} \sum_{2n} \] \[\sum_{2n-1} \sum_{2n-1} \sum_{2n} \sum_{2n} \sum_{2n} \] \[\sum_{2n-1} \sum_{2n} \sum_{2n} \sum_{2n} \] \[\sum_{2n-1} \sum_{2n} \sum_{2n} \sum_{2n} \] \[\sum_{2n-1} \sum	Van	1 V2m 17	SAU AS USI NU	P(P =1), me
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S adolah divergen 1 adolah divergen 2 \frac{1}{2n-1} 2 \frac{1}{n} \rightarrow \	7	· Pr	2	- Ingress
not	P		nzy vun	
S In n=1 m-1 an = Vn > Vn - D & 1 - b up bandeng P(P & 1), make lon n-1 n qtvergen.		adalah diversion	<u>, i , i , i , i , i , i , i , i , i , i</u>	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7 20 15			
an = \sqrt{n} $$	7 2 - 11			
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	Date
	Mann: Prames Pay Lapon
	NPM: 140810210089 -A
	Slide: 33
	00 n Bn = h
	N N
	not heines
	$\frac{1}{n} \qquad \frac{n \to \infty}{n} \qquad \frac{n^2 + 2n + 3}{n^2 \left(1 + \frac{2}{n} + \frac{2}{3^2}\right)}$
	$\left(1+\frac{2}{40}+\frac{3}{40}\right)$ (14040)
	karena & 1 a dalah divergen, maton & n divergen
	$n \ge 1$
	· · · · · · · · · · · · · · · · · · ·
2.	5 1 Bn 2 1
	$n = n \sqrt{m_1}$ $n = 1$ $\sqrt{n^3 + n^2}$ $\sqrt{n^3}$
	lim nynu lim In lim n
	$\sqrt{n^2}$ $n-b_{po}$ $\sqrt{n_{eq}}$ $n+b_{po}$ $\sqrt{n(1+n)}$ $\sqrt{1+0}$
	30
	Carena & 1 adalah konvergen, maka & 1 konvergen n=1 \sqrt{n}^3 n=1 \sqrt{n}^3
$\overline{}$	nel Vn3 nel hVn4
3.	$\sqrt[n]{2n+3}$ $b_n = \sqrt{2n}$
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	1 m p2 - D V2nt3 h - 2n(1+2n) = 1+3 = 1
	$h-0$ $\frac{4n}{n^2}$ $\frac{4n}{n^2}$ $\sqrt{2n}$ $\sqrt{2n}$ $\sqrt{2n}$
	barong 5 Vzn konvergen, maran 30 1212 to konvergen
	$nz_1 h^2 \qquad \qquad nz_1 h^2$
4.	3n+1 Bn = 3n, 3
	$n = n^3 - 4$ $n^3 n^2$
	$\lim_{n^{3}-4} \frac{3nH}{n^{3}-4} \rightarrow \frac{3nH}{n^{2}} \frac{n^{2}}{3n^{3}-h^{2}} \frac{3n^{3}(1+n^{2})}{3n^{3}(1+n^{2})}$
	$n-b \approx \frac{3}{n^2}$ n^3-4 $\frac{3}{3}$
	$\left(1+\frac{1}{3n}\right)=\left(1+0\right)=1$
	(1-413) 1-0
	karana E 3 konvergon, maba & 3n +1 konvergon n21 n ² n21 n ² -4
And a second contract of the second	1121 11 7

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(5)	$\frac{1}{2}$ $\frac{1}{n^2}$ $\frac{3}{2}$	
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	$\frac{\ln n}{\ln n}$ $\frac{\ln n}{\ln n}$	57
	n-pro no vin	
-	40	
	Lagena & In shanvergen, maker & In n konverge	n
	nel (m) my n2	
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	T n	
	lim 27-1 = lim2 2 2	
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	2" (1") (60	-
	larena & 1 konvergen, maka & 1, leonvergen	
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	(n=1 2" m 2"-1	110
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	TIARA SHAKTI MAKMUR	

	No.
	Date
	Nama: Prances Ray Laprace
	NPM: 190010210089 -A
	Slide: 37
[1.]	5º n'
	nzi n!
	$a_n = n^2$ $a_n + 1 = (n+1)^2$
	n = (n+1)!
	$P: \lim_{n \to \infty} \frac{(n+1)^2}{(n+1)!} = \lim_{n \to \infty} \frac{(n+1)^2}{(n+1)^2} = \frac{(n+1)^2}{(n+1)^2} = \frac{(n+1)^2}{(n+1)^2}$
	$n \rightarrow \infty$ $\frac{n^2}{n!}$ $(n+1)!$ n^2 $(n+1)(n^2)$ n^2
	$n^2\left(\frac{1}{n}+\frac{1}{n^2}\right) = 0$
	n²
	Icarena P=0, P L1, maka & n2 (convergen
	n21 n
2.	5 n!
	n=1 '4'
	an: n! anH = (nH)!
	4n 4nti
	P: 100 (nH)! 4" - (nH)(4") - 00
	$4^{n\times 1}$ $n!$ $(4^n)(4)$
	Karena P=00, P71, malon : ? n! Divergen
	nal An
3.	5 n!
	nel n
	an= u! anti (nti)!
	nn (mi) nti
	lim (nx)! n" = (nx)(n2) (n)
	n-D 00 (nH) mH n1 (nH)(nH) (nH) (nH) (nH)
<u> </u>	$\left(1+\frac{1}{n}\right)$ e
	Carena P= 1 , P c 1, marca 20 n! benieve and
	e nel "" convergen

	<u>No.</u>
	<u>Date</u>
	ro qn +n
(1)	3
190	nel ant = Ant + (n+1)
1	an2 [mu]
1	n - 1 / 1 / - 1 / - 1
1	lina a T
	nto (nul)! Anto (nul) (anto) (into) (anto) (nul) (anto)
	1 2 4 (0+0) = 0
	n-poo an (An + an) (1+an)
0	sont sonvergen, barena P20, PC1
0	2
-	nzl n!
-	
	<u>ren 3</u>
6.	[(m)!
	1 AN Page 1
	$(2n)! \qquad (2n+2)!$
	lim (nx1) (2n). 2 (n+1) : (nx1)(nx1)
	$n \to \infty$ (2n+2)! n^3 (2n+2) (n ³) 2(n+1) (n ³)
	$\frac{(2n+2)^2}{(n+1)^2} = n^3 \left(\frac{1}{n^2} + \frac{1}{n^3}\right) = 0$
	$\frac{1}{2}$ $\frac{1}{n-0}$ $\frac{1}{n^3}$ $\frac{1}{2}$
=	
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	nzi (zn)!
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E.	% 5+n
	nel n!
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-	$\frac{1}{n+0} \frac{1}{(n+1)!} \frac{1}{s+n} \frac{1}{(n+1)!} \frac{1}{(n+1$
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	sth konvergon, Carona Pzo, PCI
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	TIARA SHAKTI MAKMUR
	SHAKIT MAKMUR