samßsbs № 4

$$
\begin{align*}
& \left(x^{2}-6 x+8\right) P(x)=x(x+2) P(x-2) \\
& (x-2)(x-4) P(x)=x(x+2) P(x-2) \tag{d}
\end{align*}
$$

$\mathrm{R}_{3} \mathrm{k}_{3}$ on $x=0$（2）－In


$$
(-2) \cdot(-4) P(0)=0 \cdot 2 \cdot P(-2)
$$

$$
8 P(0)=0 \Rightarrow P(0)=0 \text { \& } P(x)-n l \text { gha-ghan }
$$



$$
(x-2)(x-4) \text { x } Q(x)=x(x+2) \text { on }(x-2) Q(x-2)
$$

（xay）Legt ya3s3joya $x-8$ ）\＆$x-2-8, \quad x \neq 0$ es $x-2 \neq 0$ ，ofy $x \neq 0 ; 2$ ．

$$
(x-4) Q(x)=(x+2) Q(x-2) \quad \text { (2) }
$$



$$
\begin{aligned}
& -6 Q(-2)=0 \cdot Q(-4) \Rightarrow Q(-2)=0 \\
& Q(x)-n l \text { gha-ghan simavibions }-2 \Rightarrow 5
\end{aligned}
$$

$\Rightarrow Q(x)=(x+2) R(x) \quad L_{3} \|_{3}$ जa $(2)-I_{n}$

$$
(x-4)(x+2) R(x)=(x+2) x \text { R }(x-2)
$$

Near Jo3s3jusa $x+2-b$ ）uny $x \neq-2 \Rightarrow x \neq-2 ; 0 ; 2$

$$
\begin{equation*}
(x-4) R(x)=x R(x-2) \tag{3}
\end{equation*}
$$

 $\left.23^{2}+36\right)$.

$$
0 \cdot R(4)=4 \cdot R(2)
$$

$R(2)=0$, ofy $R(x)-n l$ gha-ghan vimoublono 2 Louluean $R(x)=(x-2) S(x)$, $R_{3} h_{3}$ an: (3) - In:
$(x-4)(x-2) S(x)=x(x-4) S(x-2)$
Neg' 2y 3J3juga $x-4-8$ ) ony $x-4 \neq 0, x \neq 4$ -6y $x \neq-2 ; 0 ; 2 ; 4$.

$$
\begin{equation*}
(x-2) s(x)=x s(x-2) \tag{4}
\end{equation*}
$$

$$
\text { zoft30a } S(x)=a_{n} x^{h}+a_{n-2} e^{n-1}+\ldots+a_{1} x+a_{0}
$$

evzagnuma, hma $n \leqslant 1$ an $S(x)$ )hherizn.

dinf (u) Jutazghina ydejan whana.

$$
\begin{aligned}
& a_{n} x^{n}(x-2)+a_{n-1} x^{n-1}(x-2)+\ldots+a_{1} x(x-2)+a_{0}(x-2)= \\
& \quad=a_{n}(x-2)^{n} x+a_{n-1}(x-2)^{n-1} x+\ldots+a_{1}(x-2) x+a_{0} 4_{1} x
\end{aligned}
$$

fmgentinl Inyonjeazoe zonfzon anobr $a_{h}>0$ (nnoundeja Jitabzajo juodnzina yzJom nhngg tohy -1.8y Jha

 $\{-2,0,2, i)$-w $x$-n globigeme anen dinjzogmmónl. Ritha

 0 Ny $S(x)=a x+b$ कor $R_{3}$ izon (4) In

$$
\begin{aligned}
& a(x-2) x+b(x-2)=a x(x-2)+b x=b=0 \text {, obly } \\
& S(x)=a x \text {. Wros }
\end{aligned}
$$

$$
\begin{aligned}
& S(x)=a x \text {. weow a ojfinlanghn oodpzacn anjozas } \\
& R(x)=(x-2) \text { ara }
\end{aligned}
$$

$$
R(x)=(x-2) S(x)=a b(x-2)
$$

$$
Q(x)=(x+2) R(x)=a \cdot x(x-2)(x+2)
$$

$$
P(x)=x Q(x)=a \cdot x^{2}(x-2)(x+2)=\text { avo की }
$$

$$
=a \cdot x^{2}\left(x^{2}-4\right)=a x^{4}-4 a x^{2} \text { wRv } a \in \mathbb{R}
$$

 $(x-2)(x-4) P(x)=x(x+2) P(x-2)$

 ммеддзns@olsomzol
sambsbs № $\square$

$$
\begin{aligned}
& (x-2)(x-4) \text { a } x^{2}(x-2)(x+2)=x(x+2) a \cdot(x-2)^{2}(x-4) \cdot x \\
& a(x-2)^{2} \cdot x^{2}-(x+2)-(x-4)=a \cdot(x-2)^{2} \cdot x^{2} \cdot(x+2) \cdot(x-4)
\end{aligned}
$$

Lu chympoz ojonlongh $a \in \mathbb{R}$
ovluybn: $P(x)=a-x^{2}\left(x^{2}-4\right)=$ wrev $a \in \mathbb{R}$

$$
=a x^{4}-4 a x^{2}
$$





339๗ழ๐ №
1


 cännuk
ne go
$\begin{array}{ll}B E \\ B E B F & 26 \text { áa } \\ B=\angle A B F & (1) .\end{array}$
Sazphangce $A C=A D=r \Rightarrow \angle A B C=\angle A B D$ （2）－w e（2）al zyhanobiono annonozies $\angle N B E=\angle D B F$ ，Neqs，$B E$ \＆$B F$ Aby⿱⿰㇒一㐄口oñ Inzacoan，hand $\widetilde{N E}=\mathscr{D F} \Rightarrow N \mathscr{D F}=D \breve{N E}$ r．p．g．




$$
\left.\begin{aligned}
& \angle F M C=\frac{D U N E-F C}{2} \\
& \angle C B F=\frac{N D F-C^{\breve{F}}}{2}
\end{aligned} \right\rvert\, \stackrel{M O N N 1}{=}>\angle F M C=\angle C B F, \text {,ry }
$$

FMBC monbgabigen Roburgma. is. p. g.

73 3nJoma, 1 mm .
whay ohymoznona.
Gyonbtroghan $\oplus i=1,2, \ldots, n$-aznl $A_{i}$-nan uzatizama
 hadymaraznlug

$$
\left|x_{\sqrt{2}}+x_{\sqrt{2}}+\ldots+x_{r_{i}}\right| \text { shel y3Jmu gyterow }
$$

Imkil anondmytin. J zonjom-ax, hmar $6 \mathrm{mcm} B_{i-n}$ a

$$
\text { Dremin }\left\{A_{1}, A_{2}, \ldots, A_{1}\right\}
$$



$$
D \geqslant \min \left\{B_{1}, B_{2}, \ldots, B_{n}\right\}
$$

