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پیش‌بینی قیمت سهام با استفاده از روش خود رگرسیون  
با وقفه توزیعی (ARDL)

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( ) ARDL.

ARDL

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[ ]

(M<sub>2</sub>)

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(P/E)

(ROA)

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ARIMA (SVM)

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ARDL

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VAR

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**ARDL**

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ARDL

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ARDL (ARDL)

(AIC)  
Microfit (H&C) (SBC)

(ECM)

[ ]

R<sup>2</sup>

Eviews  
( )  
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[ ]

		f-statistic	probability	R <sup>2</sup>
	S1, S3, S6, S8, S9, S11	/	/	%
	S1, S3, S4, S5, S8, S9, S11	/	/	%
S1=	, S2=P/E, S3 =	, S4 =	, S5=	,
S6=	, S7=CPI, S8=	, S9=	, S10=	, S11=

$$R^2$$

$$(M_2)$$

$$Y = x_5, x_9, x_{16}, x_{14}$$

$$Y = x_5, x_7, x_8, x_{16}, x_{14}$$

$$x_9 =$$

$$x_8 =$$

$$x_9 = P/E$$

$$x_7 =$$

$$x_{14} =$$

$$x_{16} = \text{CPI}$$

(CPI)

OLS

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OLS

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OLS

ARDL

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(ARDL)

ARDL

(AIC)

(HQC)

(ABC)

ARDL

(Microfit)

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**ARDL**

$$X_2 = 0,8795 X_{2(-1)} + 80,117 X_5 - 69,425 X_{5(-1)} + 127,3 X_9 - 107,73 X_{9(-1)} + 24,08 X_{16} - 4,36 X_{14} - 0,0064 d_2 X_{2(-4)}$$

$$X_2 = 0,744 X_{2(-1)} + 407,73 X_5 - 360,18 X_{5(-1)} + 0,136 X_7 - 0,00782 X_8 + 687,007 X_{16} - 4,88 X_{14} - 0,0449 d_2 X_{2(-4)}$$

$$X_{2(-1)} = \quad , X_{5(-1)} =$$

$$X_{7(-1)} = \quad , X_{9(-1)} =$$

$$d_2 X_{2(-4)} =$$

(ARCH" LM Test) LM

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**LM**

F-Statistic	( / ) F
/	F( / ) = /
/	F( / ) = /

H0

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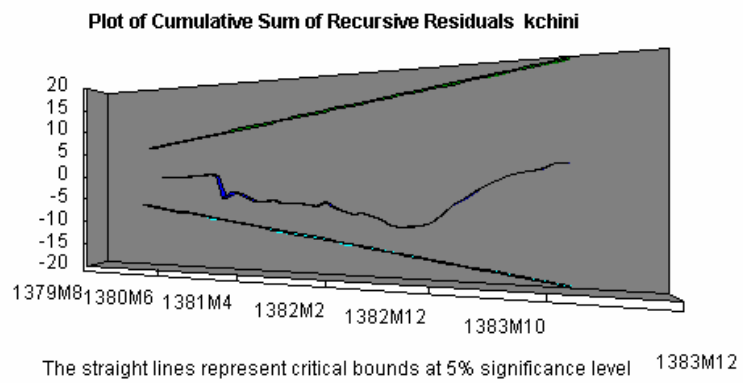
F-Statistic	( / )F
/	F( / )= /
/	F( / )= /

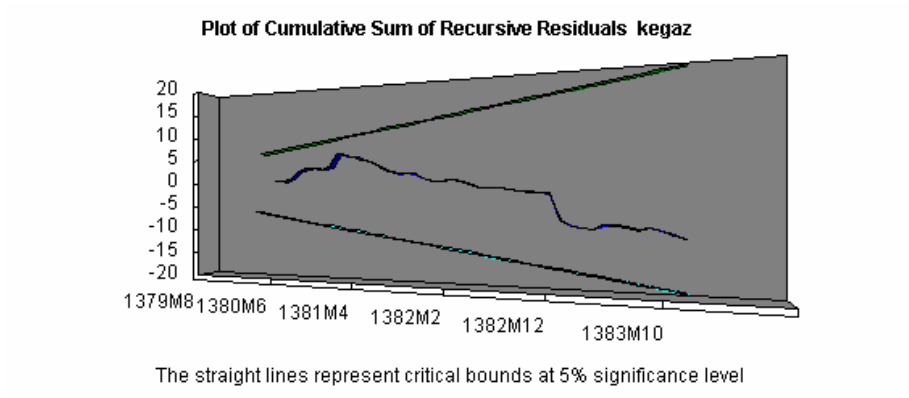
H0

H0

cusum

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$R^2$   
( )

ARDL			
R2	MAE	RMSE	MSE
/	/	/	/
/	/	/	/

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$R^2$



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28. Pai, P- feng, C- Cheng, Lin, (2005). A hybrid ARIMA and Support Vector Machines model in stock price forecasting, *The Journal of Omega*, 33 .pp:497-500

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		I( )		I( )		%			
						I( )		I( )	
X2	ADF(7)	ADF(7)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X5	ADF(7)	ADF(7)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X7	ADF(8)	ADF(1)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X8	ADF(12)	ADF(5)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X2	ADF(1)	ADF(11)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X5	ADF(3)	ADF(10)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X9	ADF(12)	ADF(1)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X16	ADF(12)	ADF(3)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X14	ADF(12)	ADF(1)	ADF(1)	ADF(1)	/	/	/	/	/
	/	/	/ *	/					
X <sub>2</sub> = , X <sub>5</sub> =P/E, X <sub>7</sub> = , X <sub>8</sub> = , X <sub>9</sub> = , X <sub>16</sub> =(log CPI) , X <sub>14</sub> =									
ADF= the Augmented Dickey- fuller( )						ADF	ADF=		
						a			