



$\frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right)$

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350 $\frac{1}{2} \ln \left(\frac{1+x}{1-x} \right)$



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1) $\frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right)$

2) $\frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right)$

3) $\frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right)$

4) $\frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right) = \frac{1}{2} \ln \left(\frac{1+x}{1-x} \right)$

5) Ɔ'ŃfŃ,Ɔ%Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ Ɔ'ŃƆƆƆƆƆ,Ɔ%ŃƆƆƆƆƆ

Ā

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆ, Ɔ, ƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆ

1)Ɔ'ƆƆƆƆƆ,Ɔ%ŃƆƆƆƆƆƆ,Ɔ Ɔ%Ɔ'Ɔ,Ɔ%Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ Ɔ,,-1 (Ɔ%ƆƆ° Ń,,Ɔ%Ń,Ɔ% Ɔ,,-1)

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆ• ƆƆƆ%Ń,Ɔ%ƆƆƆ%ƆƆ%Ɔ Ɔ%ŃƆƆƆƆƆƆ(Ń•ƆƆƆƆƆƆƆ, Ɔ, Ń,,Ɔ').Ā 7 ƆƆƆƆƆƆƆƆƆ

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ,ƆƆƆ'ƆƆƆƆƆƆƆ,Ń• Ɔ'Ɔ,Ɔ%Ɔ%ƆƆƆƆ,ŃƆ 3,0 * 3,0 Ń•Ɔ% ƆƆŃƆŃ•Ɔ%Ń,Ɔ° Ń• Ɔ%Ɔ%ƆƆƆƆƆƆƆƆƆƆ 3,6 Ń•Ɔ%

2)Ɔ'ƆƆƆƆƆ,Ɔ%ŃƆƆƆƆƆƆ,Ɔ Ɔ%Ɔ'Ɔ,Ɔ%Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ Ɔ,,-2 (Ɔ%ƆƆ° Ń,,Ɔ%ŃƆƆƆƆƆƆ 4 Ń'Ń,ŃfƆƆƆ, ŃƆƆƆƆƆƆƆƆƆ) (Ɔ%ƆƆ° Ń,,Ɔ%Ń,Ɔ% Ɔ,,-2)

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆ• ƆƆƆ%Ń,Ɔ%ƆƆƆ%ƆƆ%Ɔ Ɔ%ŃƆƆƆƆƆƆ(Ń•ƆƆƆƆƆƆƆ, Ɔ, Ń,,Ɔ').Ā 6 ƆƆƆƆƆƆƆƆƆ

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ,ƆƆƆ'ƆƆƆƆƆƆƆ,Ń• Ɔ'Ɔ,Ɔ%Ɔ%ƆƆƆƆ,ŃƆ 2,5 * 2,5 Ń•Ɔ% ƆƆŃƆŃ•Ɔ%Ń,Ɔ° Ń• Ɔ%Ɔ%ƆƆƆƆƆƆƆƆƆƆ 3,5 Ń•Ɔ%

3)ƆƆŃƆƆƆƆƆƆƆƆƆƆ Ɔ'ƆƆƆƆƆ,Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ Ɔ,,-1 (Ɔ%ƆƆ° Ń,,Ɔ%Ń,Ɔ% Ɔ,,-3)

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆ• ƆƆƆ%Ń,Ɔ%ƆƆƆ%ƆƆ%Ɔ Ɔ%ŃƆƆƆƆƆƆ(Ń•ƆƆƆƆƆƆƆ, Ɔ, Ń,,Ɔ'). 20Ā ƆƆŃƆƆƆƆƆƆƆ

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ,ƆƆƆ'ƆƆƆƆƆƆƆ,Ń• Ɔ'Ɔ,Ɔ%Ɔ%ƆƆƆƆ,ŃƆ 6,0 Ń•Ɔ% ƆƆŃƆŃ•Ɔ%Ń,Ɔ° Ń• Ɔ%Ɔ%ƆƆƆƆƆƆƆƆƆƆ 4,2 Ń•Ɔ%

4)ƆƆŃƆƆƆƆƆƆƆƆƆƆ Ɔ'ƆƆƆƆƆ,Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ Ɔ,,-2 (Ɔ%ƆƆ° Ń,,Ɔ%Ń,Ɔ% Ɔ,,-3)

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆ• ƆƆƆ%Ń,Ɔ%ƆƆƆ%ƆƆ%Ɔ Ɔ%ŃƆƆƆƆƆƆ(Ń•ƆƆƆƆƆƆƆ, Ɔ, Ń,,Ɔ'). 15Ā ƆƆŃƆƆƆƆƆƆƆ

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ,ƆƆƆ'ƆƆƆƆƆƆƆ,Ń• Ɔ'Ɔ,Ɔ%Ɔ%ƆƆƆƆ,ŃƆ 4,5 Ń•Ɔ% ƆƆŃƆŃ•Ɔ%Ń,Ɔ° Ń• Ɔ%Ɔ%ƆƆƆƆƆƆƆƆƆƆ 4,3 Ń•Ɔ%

5) Ɔ'ŃfŃ,Ɔ%Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ Ɔ'ƆƆƆƆƆ,Ɔ%ŃƆƆƆƆƆƆƆƆƆƆ (Ɔ%ƆƆ° Ń,,Ɔ%Ń,Ɔ% Ɔ,,-5)

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆ• ƆƆƆ%Ń,Ɔ%ƆƆƆ%ƆƆ%Ɔ Ɔ%ŃƆƆƆƆƆƆ(Ń•ƆƆƆƆƆƆƆ, Ɔ, Ń,,Ɔ').Ā 27 ƆƆŃƆƆƆƆƆƆƆ

ƆŃŃƆƆ,Ɔ%ƆƆƆƆƆƆƆƆƆƆ ƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ,ƆƆƆ'ƆƆƆƆƆƆƆ,Ń• Ɔ'Ɔ,Ɔ%Ɔ%ƆƆƆƆ,ŃƆ 5,5 Ń•Ɔ% ƆƆŃƆŃ•Ɔ%Ń,Ɔ° Ń• Ɔ%Ɔ%ƆƆƆƆƆƆƆƆƆƆ 4,5 Ń•Ɔ%

Ā

ƆƆƆƆƆ,ƆƆƆƆƆƆƆƆƆƆ ƆƆƆ,ƆƆƆ,ƆƆƆƆƆƆ

ƆƆƆŃ,Ɔ%ŃƆ ƆƆƆƆƆƆƆŃ, Ɔ%Ɔ° Ń,,Ɔ%Ń,Ɔ% ƆƆƆŃ,ƆƆƆ»ŃƆƆŃ• Ɔ'ƆƆƆƆ,ŃƆƆ°

Ɔ;Ɔ,Ɔ»Ɔ,ƆƆƆ%Ɔ%ƆƆƆƆƆƆƆ Ń,,Ɔ%ŃƆƆƆƆƆƆ Ɔ;ŃƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆ Ń•Ɔ;ƆƆƆƆƆƆƆ,ƆƆƆ»ŃƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ'Ɔ»Ń• Ɔ,ƆƆƆ%Ń,Ɔ%ƆƆƆ»ƆƆƆ%Ɔ,Ń• Ɔ%ŃƆƆƆƆƆƆƆƆƆ. Ɔ; Ɔ;Ɔ%Ɔ%Ɔ%Ń%ŃƆƆƆŃ Ń•Ɔ,Ɔ»Ɔ,ƆƆƆ%Ɔ%Ɔ%ƆƆƆƆŃ... Ń,,Ɔ%ŃƆƆƆƆ ƆƆƆƆƆƆƆ%ƆƆƆƆƆƆƆƆ Ń•Ɔ%ƆƆƆƆƆƆŃ,ŃƆƆ Ɔ%ƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆ ƆŃŃƆƆƆƆƆƆƆƆƆƆ ƆŃŃƆƆƆƆƆƆƆƆƆƆƆƆ Ɔ%ŃƆƆƆƆƆƆƆ, Ɔ%ŃƆƆƆƆƆƆƆ, Ɔ;Ɔ»Ɔ,Ń,ƆƆƆ, Ɔ'Ɔ»Ń• Ń,ƆƆƆƆƆƆ, Ń'Ɔ,Ɔ;ŃfŃƆƆ,ƆƆ ƆƆƆƆƆƆƆƆƆƆƆ (ƆƆƆ%Ɔ%ƆƆƆƆƆƆƆ, Ɔ'Ɔ»Ń• ƆƆƆƆƆƆƆƆ,ƆƆƆ,Ɔ;Ń•Ɔ%ƆƆƆƆƆƆ,ƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆ Ń,,Ɔ,ƆŃfŃƆƆƆ,Ɔ. Ɔ'ŃƆ Ń,ƆƆƆƆƆƆƆƆƆ Ń•Ɔ%Ɔ%ƆƆƆƆƆƆƆ,ƆƆ Ɔ,ƆƆƆ%Ń,Ɔ%ƆƆƆ,Ń,ŃƆƆ Ɔ%ƆƆŃŃŃƆƆƆƆƆ%ƆƆƆ Ɔ%ŃƆƆƆ»Ɔ%Ń,ƆƆƆƆƆƆ.

3Ɔ" Ɔ;Ɔ,Ɔ»Ɔ,ƆƆƆ%Ɔ%ƆƆƆƆƆƆ Ń,,Ɔ%ŃƆƆƆƆƆƆ ŃfŃŃ•Ɔ%ƆƆŃƆƆ,ƆƆƆ Ɔ;ŃƆƆ, Ń•Ɔ%Ɔ;ŃƆƆ,ƆƆƆ%Ń•Ɔ%Ɔ%ƆƆƆƆƆƆƆ,Ń• ƆƆƆ,ŃƆƆƆƆƆƆƆ, ƆƆƆ%Ń•ƆƆƆƆƆ, Ń•Ɔ%Ɔ%Ɔ»ƆƆƆ%Ɔ, ƆƆƆƆƆƆƆƆ ŃfŃƆ%ƆƆƆƆŃ•ƆƆ»ŃƆƆƆŃƆƆƆƆƆ Ɔ, Ɔ'Ɔ%Ɔ»ƆƆƆ%ƆƆƆƆƆƆƆƆƆ. ƆƆƆŃ•Ɔ%Ɔ%Ń,ŃƆŃ• Ɔ%Ɔ° Ń•ƆƆƆ%Ń Ń%Ń•ƆƆƆ%Ń•Ń,ŃƆƆ Ɔ, ƆƆƆ,ƆƆƆ%Ń•Ń,ŃƆƆ Ɔ%Ɔ%Ɔ, Ɔ%ƆƆƆƆƆƆƆŃ•Ń,Ɔ%Ɔ% Ɔ;ŃƆƆƆƆƆƆƆƆ, Ɔ, Ɔ° Ń,Ɔ%Ɔ%Ńf ƆƆƆƆ, ŃfŃŃ•Ɔ%ƆƆŃƆƆ,ƆƆƆ Ɔ° Ɔ;ƆƆƆƆƆƆƆƆƆƆƆƆ Ń,ƆƆƆ%Ɔ;ƆƆƆŃƆƆŃƆƆ - Ń,,Ɔ%ŃƆƆƆƆƆ Ɔ%Ɔ%ƆƆƆƆƆ%Ɔ Ɔ;Ɔ%Ɔ%ƆƆƆƆƆƆŃ,ŃƆƆ ƆƆ Ɔ%Ɔ%ŃƆƆƆƆƆƆ,Ɔ,Ɔ»Ńf Ɔ, Ɔ'ŃfŃ...Ɔ%ƆƆƆƆƆ Ń'ƆƆƆŃ,, ƆŃŃƆƆ, Ɔ,ƆƆƆ%Ń,Ɔ%ƆƆƆ»ƆƆƆ%Ɔ,Ɔ, ŃƆŃfŃƆƆ%Ɔ%ƆƆ%



DœD1/2DµD1/2D,Ñ•D¿D3/4D°ÑfD¿D°Ñ,DµD»DµD1: D•Ñ%oDµ D1/2DµÑ, D1/4D1/2DµD1/2D,D1 D3/4D±Ñ•Ñ,D3/4D1/4Ñ,D3/4D2D°Ñ€Dµ.

DÿD3/4D¶D°D»ÑfD1Ñ•Ñ,D°, D2D3/4D1D´D,Ñ,Dµ,Ñ‡Ñ,D3/4D±Ñ‹D3/4Ñ•Ñ,D°D2D,Ñ,ÑCEÑ•D2D3/4DµD1/4D1/2DµD1/2D,Dµ.