



ƆƆƆ, Ɔ^{1/4}Ɔ, Ñ†ƆµÑ•Ɔ°Ɔ, Ɔµ ƆƆƆµÑ...Ɔ^{1/2}Ɔ^{3/4}Ɔ»Ɔ^{3/4}Ɔ³Ɔ, Ɔ,

ƆƆƆ, Ɔ^{1/4}Ɔ, Ñ†ƆµÑ•Ɔ°Ɔ, Ɔµ ƆƆƆµÑ...Ɔ^{1/2}Ɔ^{3/4}Ɔ»Ɔ^{3/4}Ɔ³Ɔ, Ɔ,

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Ɔ—Ɔ°Ɔ´Ɔ°Ñ†Ɔ° 8-13

(ƆžƆ±Ɔ^{3/4}Ñ€ÑƆ´Ɔ^{3/4}Ɔ²Ɔ°Ɔ^{1/2}Ɔ, Ɔµ Ɔ´Ɔ»Ñ•
Ɔ^{1/2}ƆµÑ,,Ñ,))



ρÑƆ± 100

Ɔ—Ɔ°Ɔ´Ɔ°Ñ†Ɔ° 8.13 ƆžƆ¿Ñ€ƆµƆ´ƆµƆ»Ɔ,Ñ,ÑƆƆ Ɔ^{3/4}Ñ•Ɔ^{1/2}Ɔ^{3/4}Ɔ²Ɔ^{1/2}Ñ•Ɔµ Ñ€Ɔ°Ɔ•Ɔ^{1/4}ƆµÑ€Ñ• Ñ€ƆµƆ°Ɔ°Ñ,Ɔ^{3/4}Ñ€Ɔ°
Ɔ´Ɔ»Ñ• Ɔ°Ɔ°Ñ,Ɔ°Ɔ»Ɔ,Ñ,Ɔ,Ñ†ƆµÑ•Ɔ°Ɔ^{3/4}Ɔ³Ɔ% Ɔ^{3/4}Ɔ°Ɔ,Ñ•Ɔ»ƆµƆ^{1/2}Ɔ,Ñ• Ɔ²Ñ€ƆµƆ´Ɔ^{1/2}Ñ•Ñ... Ɔ¿Ñ€Ɔ,Ɔ^{1/4}ƆµÑ•ƆµƆ¹
Ɔ¿Ñ€Ɔ^{3/4}Ɔ^{1/4}Ñ•Ñ´Ɔ»ƆµƆ^{1/2}Ɔ^{3/4}Ɔ³Ɔ% Ɔ²Ñ•Ɔ±Ñ€Ɔ^{3/4}Ñ•Ɔ°.

Ɔ~Ñ•Ñ...Ɔ^{3/4}Ɔ´Ɔ^{1/2}Ñ•Ɔµ Ɔ´Ɔ°Ɔ^{1/2}Ɔ^{1/2}Ñ•Ɔµ: Ɔ^{3/4}Ɔ±ÑšƆµƆ^{1/4} Ɔ²Ñ•Ɔ±Ñ€Ɔ^{3/4}Ñ•Ɔ° G' =15000 Ɔ^{1/3}/Ñ†;
Ñ,ƆµƆ^{1/4}Ɔ¿ƆµÑ€Ɔ°Ñ,ÑƆÑ€Ɔ° Ɔ²Ñ•Ɔ±Ñ€Ɔ^{3/4}Ñ•Ɔ° 15ÅƆ; Ñ,ƆµƆ^{1/4}Ɔ¿ƆµÑ€Ɔ°Ñ,ÑƆÑ€Ɔ° Ɔ² Ñ€ƆµƆ°Ɔ°Ñ,Ɔ^{3/4}Ñ€Ɔ°Ɔµ
250ÅƆ; ƆŸƆ°Ɔš Ñ,ƆµƆ^{1/2}Ɔ^{3/4}Ɔ»Ɔ° 0,01 Ɔ^{1/4}Ɔ³/Ɔ^{1/3}; ƆŸƆ°Ɔš Ɔ°Ñ†ƆµÑ,Ɔ^{3/4}Ɔ^{1/2}Ɔ° 0,35 Ɔ^{1/4}Ɔ³/Ɔ^{1/4}^;
Ɔ°Ɔ°Ñ,Ɔ°Ɔ»Ɔ,Ɔ-Ɔ°Ñ,Ɔ^{3/4}Ñ€ - Ɔ•ƆŸ-56 Ɔ,Ɔ^{1/4}ƆµƆµÑ, Ñ•Ɔ»ƆµƆ ÑƆÑšÑ%ÑƆÑš Ñ...Ɔ°Ñ€Ɔ°Ɔ°Ñ,ƆµÑ€Ɔ,Ñ•Ñ,Ɔ,Ɔ°ÑƆ:
Ɔ´Ɔ,Ɔ°Ɔ^{1/4}ƆµÑ,Ñ€ Ñ†Ɔ°Ñ•Ñ,Ɔ,Ñ† 0,003 Ɔ^{1/4}, Ɔ´Ɔ»Ɔ,Ɔ^{1/2}Ɔ° Ñ†Ɔ°Ñ•Ñ,Ɔ,Ñ† 0,005 Ɔ^{1/4}, Ñ,Ɔ^{3/4}Ñ€Ɔ^{1/4}Ɔ° -
Ñ†Ɔ,Ɔ»Ɔ,Ɔ^{1/2}Ɔ°Ñ€Ɔ,Ñ†ƆµÑ•Ɔ°Ɔ°Ñ•, Ɔ¿Ɔ^{3/4}Ñ€Ɔ^{3/4}Ɔ•Ɔ^{1/2}Ɔ^{3/4}Ñ•Ñ,ÑƆƆ Ñ•Ɔ»Ɔ^{3/4}Ñ• Ɔ°Ɔ°Ñ,Ɔ°Ɔ»Ɔ,Ɔ-Ɔ°Ñ,Ɔ^{3/4}Ñ€Ɔ°
Ɔµ=0,375; Ñ,Ñ€ƆµƆ±ÑƆƆµƆ^{1/4}Ɔ°Ñ• Ñ•Ñ,ƆµƆ¿ƆµƆ^{1/2}ÑƆƆ Ɔ^{3/4}Ñ†Ɔ,Ñ•Ñ,Ɔ°Ɔ, Ɔ¿Ɔ^{3/4} Ɔ²ƆµÑ%ƆµÑ•Ñ,Ɔ²ÑƆ Ñ•
Ɔ^{1/4}ƆµƆ^{1/2}ÑƆƆ°ƆµƆ¹ ƆŸƆ°Ɔš, Ñ. Ɔµ. Ɔ¿Ɔ^{3/4} Ñ,ƆµƆ^{1/2}Ɔ^{3/4}Ɔ»ÑƆ - 0,998.

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ƆŸƆ^{3/4}Ɔ»ÑƆÑ†Ɔ,Ñ,ÑƆƆ Ɔ´Ɔ°Ɔ^{1/2}Ɔ^{1/2}ÑƆÑš Ɔ-Ɔ°Ɔ´Ɔ°Ñ†ÑƆ Ɔ²Ɔ^{3/4}Ɔ•Ɔ^{1/4}Ɔ^{3/4}Ɔ¶Ɔ^{1/2}Ɔ^{3/4} Ɔ^{1/2}Ɔ°Ɔ¶Ɔ°Ɔ² Ɔ°Ɔ^{1/2}Ɔ^{3/4}Ɔ¿Ɔ°ÑƆ
"Ɔ°ÑƆƆ¿Ɔ,Ñ,ÑƆƆ" Ɔ, Ɔ¿Ñ€Ɔ^{3/4}Ɔ¹Ñ,Ɔ, Ɔ¿Ñ€Ɔ^{3/4}Ñ•Ñ,ÑƆÑš Ñ€ƆµƆ³Ɔ,Ñ•Ñ,Ñ€Ɔ°Ñ†Ɔ,Ñš. Ɔ´Ɔ°Ɔ»ƆµƆµ Ɔ²Ñ•
Ɔ¿Ɔ^{3/4}Ɔ¿Ɔ°Ɔ´ƆµÑ,Ɔµ Ɔ² Ñ•ƆµÑ€Ɔ²Ɔ,Ñ• Ɔ^{3/4}Ɔ^{1/2}-Ɔ»Ɔ°Ɔ¹Ɔ^{1/2}, Ɔ³Ɔ´Ɔµ Ɔ²Ɔ°Ɔ^{1/4} Ɔ±ÑƆ´ƆµÑ,

$\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m \frac{d}{dt} (v^2) = m v \frac{d}{dt} v$
 $= m v \frac{dv}{dt}$
 $= m v a$

[\$\frac{1}{2} m v^2 = \int m v dv = \frac{1}{2} m v^2 + C\$](#)