



ƉƎƉ, Ɖ^{1/4}Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ, Ɖμ ƉƆƉμÑ...Ɖ^{1/2}Ɖ^{3/4}Ɖ»Ɖ^{3/4}Ɖ³Ɖ, Ɖ,

ƉƎƉ, Ɖ^{1/4}Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ, Ɖμ ƉƆƉμÑ...Ɖ^{1/2}Ɖ^{3/4}Ɖ»Ɖ^{3/4}Ɖ³Ɖ, Ɖ,

ı»¿ı»¿

Ɖ—Ɖ°Ɖ´Ɖ°Ñ†Ɖ° 8-2

(ƉžƉ±Ɖ^{3/4}Ñ€ÑƒƉ´Ɖ^{3/4}Ɖ²Ɖ°Ɖ^{1/2}Ɖ, Ɖμ Ɖ´Ɖ»Ñ• Ɖ^{1/2}ƉμÑ,,Ñ,)



ρÑƒƉ± 100

Ɖ—Ɖ°Ɖ´Ɖ°Ñ†Ɖ° 8.2 ƉžƉıÑ€ƉμƉ´ƉμƉ»Ɖ, Ñ,ÑƆ Ɖ^{1/4}Ɖ°Ɖ°Ñ•Ɖ, Ɖ^{1/4}Ɖ°Ɖ»ÑƆƉ^{1/2}ÑƒÑž

ƉıÑ€Ɖ^{3/4}Ɖ, Ɖ•Ɖ²Ɖ^{3/4}Ɖ´Ɖ, Ñ,ƉμƉ»ÑƆƉ^{1/2}Ɖ^{3/4}Ñ•Ñ,ÑƆ Ñ•Ɖ»ƉμƉ°Ñ,Ñ€Ɖ^{3/4}Ɖ´ƉμƉ³Ɖ, Ɖ´Ɖ°Ɖ°Ñ,Ɖ^{3/4}Ñ€Ɖ° Ɖ´Ɖ»Ñ•

Ɖ^{3/4}Ɖ±ƉμÑ•Ñ•Ɖ^{3/4}Ɖ»Ɖ, Ɖ²Ɖ°Ɖ^{1/2}Ɖ, Ñ• Ɖ^{1/2}ƉμÑ,,Ñ,Ɖ, Ɖ´Ñ•Ñ...Ɖ^{3/4}Ɖ´Ɖ^{1/2}Ñ•Ɖμ Ɖ´Ɖ°Ɖ^{1/2}Ɖ^{1/2}Ñ•Ɖμ:

ƉıÑ€Ɖ^{3/4}Ɖ, Ɖ•Ɖ²Ɖ^{3/4}Ɖ´Ɖ, Ñ,ƉμƉ»ÑƆƉ^{1/2}Ɖ^{3/4}Ñ•Ñ,ÑƆ ÑƒÑ•Ñ,Ɖ°Ɖ^{1/2}Ɖ^{3/4}Ɖ²Ɖ°Ɖ, G = 900 Ɖ^{1/4}3/Ɖž

Ñ,ƉμƉ^{1/4}ƉıƉμÑ€Ɖ°Ñ,ÑƒÑ€Ɖ° Ɖ² Ɖ^{3/4}Ñ,Ñ•Ñ,Ɖ^{3/4}Ɖ^{1/2}Ɖ, Ɖ°Ɖμ t = 100Å°Ɖı, ƉıƉ»Ɖ^{3/4}Ñ,Ɖ^{1/2}Ɖ^{3/4}Ñ•Ñ,ÑƆ Ɖ^{1/2}ƉμÑ,,Ñ,Ɖ,

ƉıÑ€Ɖ, 100Å°Ɖı Ñ€Ɖ^{1/2} = 800 Ɖ°Ɖ^{3/4}Ɖ^{1/3}, ƉıƉ»Ɖ^{3/4}Ñ,Ɖ^{1/2}Ɖ^{3/4}Ñ•Ñ,ÑƆ Ɖ²Ɖ^{3/4}Ɖ´Ñ• ƉıÑ€Ɖ, 100 Å°Ɖı Ñ€Ɖ² = 958

Ɖ°Ɖ^{3/4}Ɖ^{1/3}, Ɖ°Ɖ, Ɖ^{1/2}ƉμƉ^{1/4}Ɖ°Ñ,Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ°Ñ• Ɖ^{1/2}Ɖ^{1/2}Ɖ•Ɖ°Ɖ^{3/4}Ñ•Ñ,ÑƆ Ɖ^{1/2}ƉμÑ,,Ñ,Ɖ, ƉıÑ€Ɖ, 100Å°Ɖı vƉ^{1/2} =

2,9•10⁻⁶ Ɖ^{1/2}Ñ•, Ɖ´Ɖ, Ɖ°Ɖ^{1/4}ƉμÑ,Ñ€ Ɖ^{1/2}Ɖ°Ɖ, Ɖ^{1/4}ƉμƉ^{1/2}ÑƆƉ°Ñ•... Ɖ°Ɖ°ƉıƉμƉ»ÑƆ Ɖ²Ɖ^{3/4}Ɖ´Ñ•,

Ɖ^{3/4}Ñ•Ɖ°Ɖ¶Ɖ´Ɖ°ÑžÑ%Ɖ, Ñ...Ñ•Ñ• Ɖ² Ɖ^{3/4}Ñ,Ñ•Ñ,Ɖ^{3/4}Ɖ^{1/2}Ɖ, Ɖ°Ɖμ, d=2,2•10⁻⁴ Ɖ^{1/4}.

Â

ƉŸƉ^{3/4}Ɖ»ÑƒÑ†Ɖ, Ñ,ÑƆ Ɖ´Ɖ°Ɖ^{1/2}Ɖ^{1/2}ÑƒÑž Ɖ•Ɖ°Ɖ´Ɖ°Ñ†ƒ Ɖ²Ɖ^{3/4}Ɖ•Ɖ^{1/4}Ɖ^{3/4}Ɖ¶Ɖ^{1/2}Ɖ^{3/4} Ɖ^{1/2}Ɖ°Ɖ¶Ɖ°Ɖ² Ɖ°Ɖ^{1/2}Ɖ^{3/4}ƉıƉ°Ñƒ

"Ɖ°ÑƒƉıƉ, Ñ,ÑƆ" Ɖ, ƉıÑ€Ɖ^{3/4}Ɖ^{1/2}Ɖ, ƉıÑ€Ɖ^{3/4}Ñ•Ñ,ÑƒÑž Ñ€ƉμƉ³Ɖ, Ñ•Ñ,Ñ€Ɖ°Ñ†Ɖ, Ñž. Ɖ´Ɖ°Ɖ»ƉμƉμ Ɖ²Ñ•

ƉıƉ^{3/4}ƉıƉ°Ɖ´ƉμÑ,Ɖμ Ɖ² Ñ•ƉμÑ€Ɖ²Ɖ, Ñ• Ɖ^{3/4}Ɖ^{1/2}Ɖ»Ɖ°Ɖ¹Ɖ^{1/2}, Ɖ³Ɖ´Ɖμ Ɖ²Ɖ°Ɖ^{1/4} Ɖ±ÑƒƉ´ƉμÑ,

ƉıÑ€ƉμƉ´Ɖ»Ɖ^{3/4}Ɖ¶ƉμƉ^{1/2}Ɖ^{3/4} Ɖ²Ñ•Ɖ±Ñ€Ɖ°Ñ,ÑƆ Ñ•ƉıƉ^{3/4}Ñ•Ɖ^{3/4}Ɖ± Ɖ^{3/4}ƉıƉ»Ɖ°Ñ,Ñ• Ɖ, Ɖ^{3/4}ƉıƉ»Ɖ°Ñ,Ɖ, Ñ,ÑƆ

Ɖ•Ɖ°Ɖ°Ɖ•. ƉŸƉ^{3/4}Ñ•Ɖ»Ɖμ ƉıƉ^{3/4}Ɖ´Ñ,Ɖ²ƉμÑ€Ɖ¶Ɖ´ƉμƉ^{1/2}Ɖ, Ñ• Ɖ^{3/4}ƉıƉ»Ɖ°Ñ,Ñ• Ɖ²Ñ• ƉıƉ^{3/4}Ɖ»ÑƒÑ†Ɖ, Ñ,Ɖμ

Ɖ•Ɖ°Ɖ°Ɖ•Ɖ•Ɖ°Ɖ^{1/2}Ɖ^{1/2}ÑƒÑž Ɖ•Ɖ°Ɖ´Ɖ°Ñ†ƒ. Ɖ—Ɖ°Ɖ´Ɖ°Ñ†Ɖ° ƉıÑ€ƉμƉ´Ñ•Ñ,Ɖ°Ɖ²Ɖ»ƉμƉ^{1/2}Ɖ° Ɖ²Ɖ²Ɖ, Ɖ´Ɖμ

