



ƎƎƎ, Ǝ^{1/4}Ǝ, Ñ†ƎμÑ•Ǝ°Ǝ, Ǝμ ƎƆƎμÑ...Ǝ^{1/2}Ǝ^{3/4}Ǝ»Ǝ^{3/4}Ǝ³Ǝ, Ǝ,

ƎƎƎ, Ǝ^{1/4}Ǝ, Ñ†ƎμÑ•Ǝ°Ǝ, Ǝμ ƎƆƎμÑ...Ǝ^{1/2}Ǝ^{3/4}Ǝ»Ǝ^{3/4}Ǝ³Ǝ, Ǝ,

ı»žı»ž

Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 6-4

**(ƎžƎ±Ǝ^{3/4}Ñ€ÑƒƎ´Ǝ^{3/4}Ǝ²Ǝ°Ǝ^{1/2}Ǝ, Ǝμ Ǝ´Ǝ»Ñ•
Ǝ^{1/2}ƎμÑ,,Ñ,)**

ρÑƒƎ± 120



Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 6.4 Ǝ Ǝ°Ñ•Ñ•Ñ†Ǝ, Ñ, Ǝ°Ñ, ÑƆ Ʃ•Ǝ°Ñ•Ñ, Ñ€Ǝ°Ǝ°Ñ†Ǝ, Ǝ^{3/4}Ǝ^{1/2}Ǝ^{1/2}ÑƒÑž Ǝ°Ǝ^{3/4}Ǝ»Ǝ^{3/4}Ǝ^{1/2}Ǝ^{1/2}Ñƒ Ǝ´Ǝ»Ñ•
Ñ€Ǝ°Ǝ-Ǝ´ƎμƎ»ƎμƎ^{1/2}Ǝ, Ñ• Ñ•Ǝ^{1/4}ƎμÑ•Ǝ, Ǝ°Ñ€Ǝ^{3/4}Ǝ^{1/4}Ǝ°Ñ, Ǝ, Ñ†ƎμÑ•Ǝ°Ǝ^{3/4}Ǝ^{3/4} ÑƒƎ³Ǝ»ƎμƎ²Ǝ^{3/4}Ǝ´Ǝ^{3/4}Ñ€Ǝ^{3/4}Ǝ´Ǝ°
Ǝ^{3/4}-Ǝ°Ñ•Ǝ^{1/2}Ǝ»Ǝ^{3/4}Ǝ»Ǝ° Ǝ, ƎžƎ°Ñ€Ǝ°Ñ, Ǝ, Ǝ^{1/2}Ǝ^{3/4}Ǝ²Ǝ^{3/4}Ǝ^{3/4} ÑƒƎ³Ǝ»ƎμƎ²Ǝ^{3/4}Ǝ´Ǝ^{3/4}Ñ€Ǝ^{3/4}Ǝ´Ǝ° Ǝ^{1/2}-Ǝ^{3/4}Ǝ°Ñ, Ǝ°Ǝ^{1/2}Ǝ°,
Ǝ, Ñ•ƎžƎ^{3/4}Ǝ»ÑƆƎ•ÑƒÑ• Ǝ² Ǝ°Ǝ°Ñ†ƎμÑ•Ñ, Ǝ²Ǝμ Ñ€Ǝ°Ñ•Ñ, Ǝ²Ǝ^{3/4}Ñ€Ǝ, ƎμƎ»Ñ•
Ǝ´Ǝ, Ǝ^{1/4}ƎμÑ, Ǝ, Ǝ»Ñ•ÑƒƎ»ÑƆƎÑ,, Ǝ^{3/4}Ǝ°Ñ•Ǝ, Ǝ´ (Ǝ°ƎœƎjƎž), ƎžÑ€Ǝ, Ñ•Ǝ»ƎμƎ´ÑƒÑžÑ%Ǝ, Ñ...
Ǝ, Ñ•Ñ...Ǝ^{3/4}Ǝ´Ǝ^{1/2}Ñ•Ñ... Ǝ´Ǝ°Ǝ^{1/2}Ǝ^{1/2}Ñ•Ñ...: ƎžÑ€Ǝ^{3/4}Ǝ, Ǝ-Ǝ²Ǝ^{3/4}Ǝ´Ǝ, Ñ, ƎμƎ»ÑƆƎ^{1/2}Ǝ^{3/4}Ñ•Ñ, ÑƆ Ǝ°Ǝ^{3/4}Ǝ»Ǝ^{3/4}Ǝ^{1/2}Ǝ^{1/2}Ñ•
ƎžƎ^{3/4} Ñ•Ñ•Ñ€ƎÑž G = 25000 Ǝ°Ǝ³/Ñ†; Ǝ°Ñ€Ǝ, Ǝ²Ǝ°Ñ• Ñ€Ǝ°Ǝ²Ǝ^{1/2}Ǝ^{3/4}Ǝ²ƎμÑ•Ǝ, Ñ• (Ñ€Ǝ, Ñ•. 1.16) [24];
Ñ•Ǝ^{3/4}Ñ•Ñ, Ǝ°Ǝ² Ñ•Ñ•Ñ€ƎÑ• - Ǝ^{3/4}-Ǝ°Ñ•Ǝ, Ǝ»Ǝ^{3/4}Ǝ»Ǝ° vk = 30 Ǝ^{3/4}Ǝ±ÑšƎμƎ^{1/4}Ǝ^{1/2}%. Ǝ, Ǝ^{1/2}-Ǝ^{3/4}Ǝ°Ñ, Ǝ°Ǝ^{1/2}Ǝ° v0 = 70
Ǝ^{3/4}Ǝ±ÑšƎμƎ^{1/4}Ǝ^{1/2}%; Ñ•Ǝ^{3/4}Ǝ´ƎμÑ€Ǝ°Ǝ°Ǝ^{1/2}Ǝ, Ǝμ Ǝ^{3/4}-Ǝ°Ñ•Ǝ, Ǝ»Ǝ^{3/4}Ǝ»Ǝ° Ǝ² Ñ€Ǝ°Ñ,, Ǝ, Ǝ^{1/2}Ǝ°Ñ, Ǝμ vkk = 5
Ǝ^{3/4}Ǝ±ÑšƎμƎ^{1/4}Ǝ^{1/2}%; Ǝ^{3/4}Ñ, Ǝ^{1/2}Ǝ^{3/4}Ñ•Ñ, ƎμƎ»ÑƆƎ^{1/2}Ǝ°Ñ• ƎžƎ»Ǝ^{3/4}Ñ, Ǝ^{1/2}Ǝ^{3/4}Ñ•Ñ, ÑƆ Ǝ^{3/4}-Ǝ°Ñ•Ǝ, Ǝ»Ǝ^{3/4}Ǝ»Ǝ° Ñ€277
= 0,8668 Ǝ° Ǝ^{1/2}-Ǝ^{3/4}Ǝ°Ñ, Ǝ°Ǝ^{1/2}Ǝ° Ñ€277 = 0,6849; Ñ, ƎμƎ^{1/4}ƎžƎμÑ€Ǝ°Ñ, ÑƒÑ€Ǝ° ƎžÑ€Ǝ^{3/4}Ñ†ƎμÑ•Ñ•Ǝ° ƎƆ = 313 Ǝš.



