



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,

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Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 8-14

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



ρÑƒƎ± 80

Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 8.14 ƎŸÑ€Ǝ^{3/4}Ǝ²ƎµÑ•Ñ, Ñ€Ǝ°Ñ•Ñ†ƎµÑ, Ǝ^{1/2}ƎµÑ,,Ñ,ƎµƎ»Ǝ^{3/4}Ǝ²ÑƒÑ´Ǝ°Ǝ, Ǝ´Ǝ»Ñ•
Ǝ^{3/4}Ñ†Ǝ,Ñ•Ǝ°Ǝ, Ñ•Ñ,Ǝ^{3/4}Ñ†Ǝ^{1/2}Ñ•Ñ... Ǝ²Ǝ^{3/4}Ǝ´ Ǝ•ƎŸƎ— Ǝ^{1/4}Ǝ^{3/4}Ñ%Ǝ^{1/2}Ǝ^{3/4}Ñ•Ñ,Ñ€Ñž 12 Ǝ^{1/4}Ǝ»Ǝ^{1/2}. Ñ, Ǝ^{1/2}ƎµÑ,,Ñ,Ǝ,
Ǝ² Ǝ³Ǝ^{3/4}Ǝ´. ƎÑ•Ñ...Ǝ^{3/4}Ǝ´Ǝ^{1/2}Ñ•Ǝµ Ǝ´Ǝ°Ǝ^{1/2}Ǝ^{1/2}Ñ•Ǝµ: ÑƒƎ´ƎµƎ»Ñ€Ǝ^{1/2}Ñ•Ǝ¹ Ñ€Ǝ°Ñ•Ñ...Ǝ^{3/4}Ǝ´ Ñ•Ñ,Ǝ^{3/4}Ñ†Ǝ^{1/2}Ñ•Ñ...
Ǝ²Ǝ^{3/4}Ǝ´ g = 1 Ǝ^{1/4}3/Ñ, Ǝ^{1/2}ƎµÑ,,Ñ,Ǝ,; Ñ•Ǝ°Ǝ^{3/4}Ñ€Ǝ^{3/4}Ñ•Ñ,Ñ€ ƎğƎ^{3/4}Ñ,Ǝ^{3/4}Ǝ°Ǝ° u = 0,006 Ǝ^{1/4}/Ñ•; Ǝ³Ǝ»ÑƒƎ±Ǝ,Ǝ^{1/2}Ǝ°
Ǝ»Ǝ^{3/4}Ǝ²ÑƒÑ´Ǝ°Ǝ, h = 2,1 Ǝ^{1/4}; Ǝ²Ñ€ƎµƎ^{1/4}Ñ• ƎğÑ€ƎµƎ±Ñ•Ǝ²Ǝ°Ǝ^{1/2}Ǝ,Ñ• Ǝ²Ǝ^{3/4}Ǝ´Ñ• 2 Ñ†.

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ƎŸƎ^{3/4}Ǝ»ÑƒÑ†Ǝ,Ñ,Ñ€ Ǝ´Ǝ°Ǝ^{1/2}Ǝ^{1/2}ÑƒÑž Ǝ•Ǝ°Ǝ´Ǝ°Ñ†Ñƒ Ǝ²Ǝ^{3/4}Ǝ•Ǝ^{1/4}Ǝ^{3/4}Ǝ¶Ǝ^{1/2}Ǝ^{3/4} Ǝ^{1/2}Ǝ°Ǝ¶Ǝ°Ǝ² Ǝ°Ǝ^{1/2}Ǝ^{3/4}ƎğƎÑƒ
"Ǝ°ÑƒƎğƎ,Ñ,Ñ€" Ǝ, ƎğÑ€Ǝ^{3/4}Ǝ¹Ñ,Ǝ, ƎğÑ€Ǝ^{3/4}Ñ•Ñ,ÑƒÑž Ñ€ƎµƎ³Ǝ,Ñ•Ñ,Ñ€Ǝ°Ñ†Ǝ,Ñž. Ǝ"Ǝ°Ǝ»ƎµƎµ Ǝ²Ñ•
ƎğƎ^{3/4}ƎğƎ°Ǝ´ƎµÑ,Ǝµ Ǝ² Ñ•ƎµÑ€Ǝ²Ǝ,Ñ• Ǝ^{3/4}Ǝ^{1/2}Ǝ»Ǝ°Ǝ¹Ǝ^{1/2}, Ǝ³Ǝ´Ǝµ Ǝ²Ǝ°Ǝ^{1/4} Ǝ±ÑƒƎ´ƎµÑ,
ƎğÑ€ƎµƎ´Ǝ»Ǝ^{3/4}Ǝ¶ƎµƎ^{1/2}Ǝ^{3/4} Ǝ²Ñ•Ǝ±Ñ€Ǝ°Ñ,Ñ€ Ñ•ƎğƎ^{3/4}Ñ•Ǝ^{3/4}Ǝ± Ǝ^{3/4}ƎğƎ»Ǝ°Ñ,Ñ• Ǝ, Ǝ^{3/4}ƎğƎ»Ǝ°Ñ,Ǝ,Ñ,Ñ€
Ǝ•Ǝ°Ǝ°Ǝ°Ǝ. ƎŸƎ^{3/4}Ñ•Ǝ»Ǝµ ƎğƎ^{3/4}Ǝ´Ñ,Ǝ²ƎµÑ€Ǝ¶Ǝ´ƎµƎ^{1/2}Ǝ,Ñ• Ǝ^{3/4}ƎğƎ»Ǝ°Ñ,Ñ• Ǝ²Ñ• ƎğƎ^{3/4}Ǝ»ÑƒÑ†Ǝ,Ñ,Ǝµ
Ǝ•Ǝ°Ǝ°Ǝ°Ǝ•Ǝ°Ǝ^{1/2}Ǝ^{1/2}ÑƒÑž Ǝ•Ǝ°Ǝ´Ǝ°Ñ†Ñƒ. Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° ƎğÑ€ƎµƎ´Ñ•Ñ,Ǝ°Ǝ²Ǝ»ƎµƎ^{1/2}Ǝ° Ǝ²Ǝ²Ǝ,Ǝ´Ǝµ
Ñ•Ǝ°Ǝ°Ǝ^{1/2}Ǝ^{3/4}Ǝ² Ǝ,Ǝ. Ǝ»Ǝ,Ñ,ƎµÑ€Ǝ°Ñ,ÑƒÑ€Ñ•. Ǝ´ Ñ•Ǝ»ÑƒÑ†Ǝ°Ǝµ Ǝ²Ǝ^{3/4}Ǝ•Ǝ^{1/2}Ǝ,Ǝ°Ǝ^{1/2}Ǝ^{3/4}Ǝ²ƎµƎ^{1/2}Ǝ,Ñ•
Ǝ•Ǝ°Ñ,Ñ€ÑƒƎƒƎ´Ǝ^{1/2}ƎµƎ^{1/2}Ǝ,Ǝ¹ Ñ•Ǝ^{1/4}Ǝ^{3/4}Ñ,Ñ€Ǝ, ÑƒÑ•Ǝ»Ǝ^{3/4}Ǝ²Ǝ,Ñ• Ǝ^{3/4}Ǝ±Ñ•Ǝ»ÑƒƎ¶Ǝ,Ǝ²Ǝ°Ǝ^{1/2}Ǝ,Ñ• Ǝ,
Ǝ,Ǝ^{1/2}Ñ,,Ǝ^{3/4}Ñ€Ǝ^{1/4}Ǝ°Ñ†Ǝ,Ñž Ǝ^{3/4} ƎğÑ€Ǝ^{3/4}Ǝ´Ǝ°Ǝ¹Ǝµ.

[D~D'½Ñ,,D¾Ñ€D¼D°Ñ†D,Ñ•D¾D,Ñ€D¾D'D°D²Ñ†Dµ](#)