



## ƎƎƎ, Ǝ<sup>1/4</sup>Ǝ, Ñ†ƎμÑ•Ǝ°Ǝ, Ǝμ ƎƆƎμÑ...Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ»Ǝ<sup>3/4</sup>Ǝ<sup>3</sup>Ǝ, Ǝ,

ƎƎƎ, Ǝ<sup>1/4</sup>Ǝ, Ñ†ƎμÑ•Ǝ°Ǝ, Ǝμ ƎƆƎμÑ...Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ»Ǝ<sup>3/4</sup>Ǝ<sup>3</sup>Ǝ, Ǝ,

ı»ğı»ğ

### Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 8-2

(ƎžƎ±Ǝ<sup>3/4</sup>Ñ€ÑƒƎ´Ǝ<sup>3/4</sup>Ǝ<sup>2</sup>Ǝ°Ǝ<sup>1/2</sup>Ǝ, Ǝμ Ǝ´Ǝ»Ñ•  
Ǝ<sup>1/2</sup>ƎμÑ,,Ñ,) )



ρÑƒƎ± 100

Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 8.2 ƎžƎıÑ€ƎμƎ´ƎμƎ»Ǝ, Ñ, ÑƆƎ Ǝ<sup>1/4</sup>Ǝ°Ǝ°Ñ•Ǝ, Ǝ<sup>1/4</sup>Ǝ°Ǝ»ÑƆƎ<sup>1/2</sup>ÑƒÑž

ƎıÑ€Ǝ<sup>3/4</sup>Ǝ, Ǝ•Ǝ<sup>2</sup>Ǝ<sup>3/4</sup>Ǝ´Ǝ, Ñ, ƎμƎ»ÑƆƎ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƆƎ Ñ•Ǝ»ƎμƎ°Ñ, Ñ€Ǝ<sup>3/4</sup>Ǝ´ƎμƎ<sup>3</sup>Ǝ, Ǝ´ƎƎ°Ñ, Ǝ<sup>3/4</sup>Ñ€Ǝ° Ǝ´Ǝ»Ñ•

Ǝ<sup>3/4</sup>Ǝ±ƎμÑ•Ñ•Ǝ<sup>3/4</sup>Ǝ»Ǝ, Ǝ<sup>2</sup>Ǝ°Ǝ<sup>1/2</sup>Ǝ, Ñ• Ǝ<sup>1/2</sup>ƎμÑ,,Ñ, Ǝ. Ǝ´Ñ•Ñ...Ǝ<sup>3/4</sup>Ǝ´Ǝ<sup>1/2</sup>Ñ«Ǝμ Ǝ´Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>1/2</sup>Ñ«Ǝμ:

ƎıÑ€Ǝ<sup>3/4</sup>Ǝ, Ǝ•Ǝ<sup>2</sup>Ǝ<sup>3/4</sup>Ǝ´Ǝ, Ñ, ƎμƎ»ÑƆƎ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƆƎ ÑƒÑ•Ñ, Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ<sup>2</sup>Ǝ°Ǝ, G = 900 Ǝ<sup>1/3</sup>/Ǝ§

Ñ, ƎμƎ<sup>1/4</sup>ƎıƎμÑ€Ǝ°Ñ, ÑƒÑ•Ñ€Ǝ° Ǝ<sup>2</sup> Ǝ<sup>3/4</sup>Ñ, Ñ•Ñ, Ǝ<sup>3/4</sup>Ǝ<sup>1/2</sup>Ǝ, Ǝ°Ǝμ t = 100Å°Ǝı, ƎıƎ»Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƆƎ Ǝ<sup>1/2</sup>ƎμÑ,,Ñ, Ǝ,

ƎıÑ€Ǝ, 100Å°Ǝı Ñ€Ǝ<sup>1/2</sup> = 800 Ǝ°Ǝ<sup>3/4</sup>Ǝ<sup>1/3</sup>, ƎıƎ»Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƆƎ Ǝ<sup>2</sup>Ǝ<sup>3/4</sup>Ǝ´Ñ« ƎıÑ€Ǝ, 100 Å°Ǝı Ñ€Ǝ<sup>2</sup> = 958

Ǝ°Ǝ<sup>3/4</sup>Ǝ<sup>1/3</sup>, Ǝ°Ǝ, Ǝ<sup>1/2</sup>ƎμƎ<sup>1/4</sup>Ǝ°Ñ, Ǝ, Ñ†ƎμÑ•Ǝ°Ǝ°Ñ• Ǝ<sup>1/2</sup>Ǝ<sup>1/2</sup>Ǝ•Ǝ°Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƆƎ Ǝ<sup>1/2</sup>ƎμÑ,,Ñ, Ǝ, ƎıÑ€Ǝ, 100Å°Ǝı vƎ<sup>1/2</sup> =

2,9•10<sup>-6</sup> Ǝ<sup>1/2</sup>/Ñ•, Ǝ´Ǝ, Ǝ°Ǝ<sup>1/4</sup>ƎμÑ, Ñ€Ǝ Ǝ<sup>1/2</sup>Ǝ°Ǝ, Ǝ<sup>1/4</sup>ƎμƎ<sup>1/2</sup>ÑƆƎÑ´Ǝ, Ñ... Ǝ°Ǝ°ƎıƎμƎ»ÑƆƎ Ǝ<sup>2</sup>Ǝ<sup>3/4</sup>Ǝ´Ñ«,

Ǝ<sup>3/4</sup>Ñ•Ǝ°Ǝ¶Ǝ´Ǝ°ÑžÑ%Ǝ, Ñ...Ñ•Ñ• Ǝ<sup>2</sup> Ǝ<sup>3/4</sup>Ñ, Ñ•Ñ, Ǝ<sup>3/4</sup>Ǝ<sup>1/2</sup>Ǝ, Ǝ°Ǝμ, d=2,2•10<sup>-4</sup> Ǝ<sup>1/4</sup>.

Å

ƎŸƎ<sup>3/4</sup>Ǝ»ÑƒÑ†Ǝ, Ñ, ÑƆƎ Ǝ´Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>1/2</sup>ÑƒÑž Ǝ•Ǝ°Ǝ´Ǝ°Ñ†Ñƒ Ǝ<sup>2</sup>Ǝ<sup>3/4</sup>Ǝ•Ǝ<sup>1/4</sup>Ǝ¶Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup> Ǝ<sup>1/2</sup>Ǝ°Ǝ¶Ǝ°Ǝ<sup>2</sup> Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>ƎıƎ°Ñƒ

"Ǝ°ÑƒƎıƎ, Ñ, ÑƆƎ" Ǝ, ƎıÑ€Ǝ<sup>3/4</sup>Ǝ<sup>1/2</sup>Ǝ, ƎıÑ€Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƒÑž Ñ€ƎμƎ<sup>3</sup>Ǝ, Ñ•Ñ, Ñ€Ǝ°Ñ†Ǝ, Ñž. Ǝ"Ǝ°Ǝ»ƎμƎμ Ǝ<sup>2</sup>Ñ«

ƎıƎ<sup>3/4</sup>ƎıƎ°Ǝ´ƎμÑ, Ǝμ Ǝ<sup>2</sup> Ñ•ƎμÑ€Ǝ<sup>2</sup>Ǝ, Ñ• Ǝ<sup>3/4</sup>Ǝ<sup>1/2</sup>Ǝ»Ǝ°Ǝ<sup>1</sup>Ǝ<sup>1/2</sup>, Ǝ<sup>3</sup>Ǝ´Ǝμ Ǝ<sup>2</sup>Ǝ°Ǝ<sup>1/4</sup> Ǝ±ÑƒƎ´ƎμÑ,

ƎıÑ€ƎμƎ´Ǝ»Ǝ<sup>3/4</sup>Ǝ¶ƎμƎ<sup>1/2</sup>Ǝ<sup>3/4</sup> Ǝ<sup>2</sup>Ñ«Ǝ±Ñ€Ǝ°Ñ, ÑƆƎ Ñ•ƎıƎ<sup>3/4</sup>Ñ•Ǝ<sup>3/4</sup>Ǝ± Ǝ<sup>3/4</sup>ƎıƎ»Ǝ°Ñ, Ñ« Ǝ, Ǝ<sup>3/4</sup>ƎıƎ»Ǝ°Ñ, Ǝ, Ñ, ÑƆƎ

Ǝ•Ǝ°Ǝ°Ǝ°Ǝ. ƎŸƎ<sup>3/4</sup>Ñ•Ǝ»Ǝμ ƎıƎ<sup>3/4</sup>Ǝ´Ñ, Ǝ<sup>2</sup>ƎμÑ€Ǝ¶Ǝ´Ǝ´ƎμƎ<sup>1/2</sup>Ǝ, Ñ• Ǝ<sup>3/4</sup>ƎıƎ»Ǝ°Ñ, Ñ« Ǝ<sup>2</sup>Ñ« ƎıƎ<sup>3/4</sup>Ǝ»ÑƒÑ†Ǝ, Ñ, Ǝμ

Ǝ•Ǝ°Ǝ°Ǝ°Ǝ•Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>1/2</sup>ÑƒÑž Ǝ•Ǝ°Ǝ´Ǝ°Ñ†Ñƒ. Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° ƎıÑ€ƎμƎ´Ñ•Ñ, Ǝ°Ǝ<sup>2</sup>Ǝ»ƎμƎ<sup>1/2</sup>Ǝ° Ǝ<sup>2</sup>Ǝ<sup>2</sup>Ǝ, Ǝ´Ǝμ

