



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

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## Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 6-5

### (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,)



ƎÑƒƎ± 120

Ǝ—Ǝ°Ǝ´Ǝ°Ñ†Ǝ° 6.5 Ǝ Ǝ°Ñ•Ñ•Ñ†Ǝ, Ñ, Ǝ°Ñ, ÑƎ Ǝ<sup>1/2</sup>ƎµƎ<sup>3/4</sup>Ǝ±Ñ...Ǝ<sup>3/4</sup>Ǝ´Ǝ, Ǝ<sup>1/4</sup>ÑƒÑž Ǝ<sup>1/2</sup>ƎµƎ<sup>3/4</sup>Ǝ±Ñ...Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƎ Ñ, ƎµƎ<sup>1/2</sup>Ǝ»Ǝ<sup>3/4</sup>Ǝ±Ǝ<sup>1/2</sup>ƎµƎ<sup>1/2</sup>Ǝ° Ǝ, Ñ†Ǝ, Ñ•Ǝ»Ǝ<sup>3/4</sup> Ñ, ƎµƎ<sup>1/2</sup>Ǝ»Ǝ<sup>3/4</sup>Ǝ±Ǝ<sup>1/2</sup>ƎµƎ<sup>1/2</sup>Ǝ°Ñ... Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ°Ñ€Ñ, Ǝ<sup>3/4</sup>Ǝ<sup>2</sup> Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ»Ǝ° Æ«Ñ, Ñ€ÑƒƎ±Ǝ° Ǝ<sup>2</sup> Ñ, Ñ€ÑƒƎ±ƎµÆ» Ǝ´Ǝ»Ñ• Ǝ<sup>1/2</sup>Ǝ°Ǝ<sup>3/4</sup>Ñ€ÑµƎ<sup>2</sup>Ǝ°Ǝ<sup>1/2</sup>Ǝ, Ǝ<sup>1/2</sup>ƎµÑ,,Ñ, Ǝ, Ǝ´Ǝ, Ñ•Ǝ»Ǝ»Ñ•Ñ, Ǝ<sup>3/4</sup>Ǝ<sup>1/4</sup> Ǝ´Ǝ, Ǝ•ƎµƎ»ÑƎƎ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ<sup>3/4</sup> Ñ, Ǝ<sup>3/4</sup>Ǝ<sup>1/2</sup>Ǝ»Ǝ, Ǝ<sup>2</sup>Ǝ° Ǝ<sup>1/2</sup>Ǝ€Ñ, Ñ•Ǝ»ƎµƎÑƒÑžÑ%Ǝ, Ñ... Ǝ, Ñ•Ñ...Ǝ<sup>3/4</sup>Ǝ´Ǝ<sup>1/2</sup>Ñ•Ñ... Ǝ´Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>1/2</sup>Ñ•Ñ...

Ǝ°)Æ Ǝ´Ǝ, Ñ•Ñ, Ǝ, Ǝ»Ǝ•Ñ, Ǝ´Ǝ, Ǝ•ƎµƎ»ÑƎƎ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ<sup>3/4</sup> Ñ, Ǝ<sup>3/4</sup>Ǝ<sup>1/2</sup>Ǝ»Ǝ, Ǝ<sup>2</sup>Ǝ°: Ǝ°Ǝ<sup>3/4</sup>Ǝ»Ǝ, Ñ†ƎµÑ•Ñ, Ǝ<sup>2</sup>Ǝ<sup>3/4</sup> G1 = 16000 Ǝ°Ǝ<sup>3/4</sup>Ñ†; Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ǝ, Ñ, ƎµƎ»ÑƎƎ<sup>1/2</sup>Ǝ°Ñ• Ǝ<sup>1/2</sup>Ǝ»Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƎÆ Ñ€ = 0,835; Æ Æ Ǝ°Ǝ, Ǝ<sup>1/2</sup>ƎµƎ<sup>1/4</sup>Ǝ°Ñ, Ñ, Ñ†ƎµÑ•Ǝ°Ǝ°Ñ• Ǝ<sup>2</sup>Ñ•Ǝ•Ǝ°Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƎ - Ǝ<sup>1/2</sup>Ǝ€Ñ, 293 Ǝš v293 = 1,05\*10<sup>-6</sup> Ǝ<sup>1/4</sup>2/Ñ•, Ǝ<sup>1/2</sup>Ǝ€Ñ, 323 Ǝš v323 = 10<sup>-6</sup> Ǝ<sup>1/4</sup>2/Ñ•; Ǝ<sup>1/2</sup>Ǝ°Ñ†Ǝ°Ǝ»ÑƎƎ<sup>1/2</sup>Ǝ°Ñ• Ñ, ƎµƎ<sup>1/4</sup>Ǝ<sup>1/2</sup>ƎµÑ€Ñ, ÑƒÑ€Ǝ° Ǝƒ<sup>1</sup> = 538Ǝš

Ǝ±)Æ Ǝ<sup>1/2</sup>ƎµÑ,,Ñ, ÑƎ: Ǝ°Ǝ<sup>3/4</sup>Ǝ»Ǝ, Ñ†ƎµÑ•Ñ, Ǝ<sup>2</sup>Ǝ<sup>3/4</sup> G2 = 80000 Ǝ°Ǝ<sup>3/4</sup>Ñ†; Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ǝ, Ñ, ƎµƎ»ÑƎƎ<sup>1/2</sup>Ǝ°Ñ• Ǝ<sup>1/2</sup>Ǝ»Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƎ Ñ€291 = 0,860; Ǝ°Ǝ, Ǝ<sup>1/2</sup>ƎµƎ<sup>1/4</sup>Ǝ°Ñ, Ñ, Ñ†ƎµÑ•Ǝ°Ǝ°Ñ•Æ Æ Æ Æ Æ Ǝ<sup>2</sup>Ñ•Ǝ•Ǝ°Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƎ - Ǝ<sup>1/2</sup>Ǝ€Ñ, Æ Æ Æ Æ Æ 293Æ Æ Ǝš v293 = 2\*10<sup>-6</sup> Ǝ<sup>1/4</sup>2/Ñ•, Ǝ<sup>1/2</sup>Ǝ€Ñ, 323 Ǝš v323 = 1,7\*10<sup>-6</sup> Ǝ<sup>1/4</sup>2/Ñ•; Ǝ<sup>1/2</sup>Ǝ°Ñ†Ǝ°Ǝ»ÑƎƎ<sup>1/2</sup>Ǝ°Ñ• Ñ, ƎµƎ<sup>1/4</sup>Ǝ<sup>1/2</sup>ƎµÑ€Ñ, ÑƒÑ€Ǝ°Æ Ǝƒ2 = 393 Ǝš.

Ǝ Ǝ°Ñ•Ñ•Ǝ<sup>3/4</sup>Ñ, Ñ€ÑµÑ, ÑƎ Ǝ´Ǝ<sup>2</sup>Ǝ° Ǝ<sup>2</sup>Ǝ°Ñ€Ñ, Ǝ°Ǝ<sup>1/2</sup>Ñ, Ǝ° Ñ€Ñ•Ñ•Ñ†ƎµÑ, Ǝ°: 1) Ǝ<sup>1/2</sup>Ǝ°Ñ€ÑƒƎ<sup>1/2</sup>Ǝ°Ñ• Ǝ, Ǝ<sup>2</sup>Ǝ<sup>1/2</sup>ÑƒÑ, Ñ€ÑµƎ<sup>1/2</sup>Ǝ<sup>1/2</sup>Ñ•Ñ• Ñ, Ñ€ÑƒƎ±Ñ• Ǝ<sup>3</sup>Ǝ»Ǝ°Ǝ´Ǝ°Ǝ, Ǝµ; 2) Ǝ<sup>1/2</sup>Ǝ°Ñ€ÑƒƎ<sup>1/2</sup>Ǝ°Ñ• Ǝ<sup>1/2</sup>Ǝ»Ǝ<sup>3/4</sup>ƎµÑ€Ñ...Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ•Ñ, ÑƎ Ǝ<sup>2</sup>Ǝ<sup>1/2</sup>ÑƒÑ, Ñ€ÑµƎ<sup>1/2</sup>Ǝ<sup>1/2</sup>ƎµƎ<sup>1/2</sup> Ñ, Ñ€ÑƒƎ±Ñ• Ǝ<sup>3/4</sup>Ñ€ÑµƎ±Ñ€ÑµƎ<sup>1/2</sup>Ǝ<sup>1/2</sup>Ǝ°Ñ•. ƎžÑ•Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ǝ<sup>2</sup>Ǝ<sup>1/2</sup>Ñ•Ǝ<sup>1/4</sup>Ǝ, Ñ•Ǝ»ƎµƎ<sup>1/4</sup>ƎµƎ<sup>1/2</sup>Ñ, Ǝ°Ǝ<sup>1/4</sup>Ǝ, Ǝ°Ǝ<sup>1/2</sup>Ǝ<sup>1/2</sup>Ǝ°Ñ€Ñ, Ǝ° Ǝ°Ǝ<sup>3/4</sup>Ǝ<sup>3/4</sup>Ñ, Ǝ<sup>2</sup>ƎµÑ, Ñ•Ñ, Ǝ<sup>2</sup>Ǝ, Ñ• Ǝ<sup>1/2</sup>Ǝ<sup>3/4</sup>Ñ€Ñ<sup>1/4</sup>Ǝ»Ñ•Ǝ<sup>1/4</sup>Ǝ, Ǝ´Ǝ•Ǝ´Ǝ´ƎµÑ,,Ñ, ƎµƎ<sup>1/4</sup>Ǝ°Ñ´Ǝ° Ǝ•382-56 Ñ•Ǝ<sup>2</sup>Ǝ»Ñ•ƎµÑ, Ñ•Ñ• Ñ•ƎµƎ°Ñ†Ǝ, Ñ•

