



## ƆƆƆ, Ɔ¼Ɔ, Ñ†ƆµÑ•Ɔ°Ɔ, Ɔµ ƆƆƆµÑ...Ɔ½Ɔ¾Ɔ»Ɔ¾Ɔ³Ɔ, Ɔ,

ƆƆƆ, Ɔ¼Ɔ, Ñ†ƆµÑ•Ɔ°Ɔ, Ɔµ ƆƆƆµÑ...Ɔ½Ɔ¾Ɔ»Ɔ¾Ɔ³Ɔ, Ɔ,

ï»¿ï»¿

### Ɔ—Ɔ°Ɔ´Ɔ°Ñ†Ɔ° 8-15

(ƆžƆ±Ɔ¾Ñ€ÑƆ´Ɔ¾Ɔ²Ɔ°Ɔ½Ɔ, Ɔµ Ɔ´Ɔ»Ñ•  
Ɔ½ƆµÑ,,Ñ,) )



ƆÑƆ± 80

Ɔ—Ɔ°Ɔ´Ɔ°Ñ†Ɔ° 8.15 ƆžƆ½Ñ€ƆµƆ´ƆµƆ»Ɔ, Ñ, Ñ€ Ñ†Ɔ, Ñ•Ɔ»Ɔ¾ Ɔ±Ɔ, Ɔ¾Ñ,,Ɔ, Ɔ»Ñ€Ñ, Ñ€Ɔ¾Ɔ², Ɔ½ƆµƆ¾Ɔ±...Ɔ¾Ɔ´Ɔ, Ɔ¼Ñ•Ñ... Ɔ´Ɔ»Ñ• Ɔ¾Ñ†Ɔ, Ñ•Ñ,Ɔ°Ɔ, Ñ•Ñ,Ɔ¾Ñ†Ɔ½Ñ•Ñ... Ɔ²Ɔ¾Ɔ´ II Ñ•Ɔ, Ñ•Ñ,ƆµƆ¼Ñ• Ɔ°Ɔ½Ɔ°Ɔ»Ɔ, Ɔ•Ɔ°Ñ†Ɔ, Ɔ•ƆŸƆ— Ɔ¼Ɔ¾Ñ%Ɔ½Ɔ¾Ñ•Ñ, Ñ€Ñž 12 Ɔ¼Ɔ»Ɔ½. Ñ, Ɔ½ƆµÑ,,Ñ,Ɔ, Ɔ² Ɔ³Ɔ¾Ɔ´. ÑƆ´ƆµƆ»Ñ€Ɔ½Ñ•Ɔ¹ Ñ€Ɔ°Ñ•Ñ...Ɔ¾Ɔ´ Ñ•Ñ,Ɔ¾Ñ†Ɔ½Ñ•Ñ... Ɔ²Ɔ¾Ɔ´ g = 1,5 Ɔ¼3/Ñ, Ɔ½ƆµÑ,,Ñ,Ɔ, Ñ€Ɔ°Ɔ±Ɔ¾Ñ†Ɔ°Ñ• Ɔ²Ñ•Ñ•Ɔ¾Ñ,Ɔ° Ɔ±Ɔ, Ɔ¾Ñ,,Ɔ, Ɔ»Ñ€Ñ, Ñ€Ɔ¾Ɔ² Ɔ° = 3 Ɔ¼; Ñ•Ñ€ƆµƆ´Ɔ½Ñ•Ñ• Ɔ•Ɔ, Ɔ¼Ɔ½Ñ•Ñ• Ñ,ƆµƆ¼Ɔ½ƆµÑ€Ɔ°Ñ, ÑƆÑ€Ɔ° Ñ•Ñ,Ɔ¾Ñ†Ɔ½Ñ•Ñ... Ɔ²Ɔ¾Ɔ´ 10Â°Ɔ; Ñ•Ñ€ƆµƆ´Ɔ½Ñ•Ñ• Ɔ³Ɔ¾Ɔ´Ɔ¾Ɔ²Ɔ°Ñ• Ñ,ƆµƆ¼Ɔ½ƆµÑ€Ɔ°Ñ, ÑƆÑ€Ɔ° Ɔ½Ɔ°Ñ€ÑƆ¶Ɔ½Ɔ¾Ɔ³Ɔ¾Ɔ Ɔ²Ɔ¾Ɔ´Ɔ´ÑƆÑ...Ɔ° 6Â°Ɔ; Ɔ´ƆŸƆšÑž Ɔ½Ɔ¾Ñ•Ɔ»Ɔµ Ɔ±Ɔ, Ɔ¾Ñ,,Ɔ, Ɔ»Ñ€Ñ, Ñ€Ɔ¾Ɔ² Ñ• = 30 Ɔ¾Ɔ¼3; Ɔ´ƆŸƆšÑ•Ɔ° Ɔ½Ɔ¾Ñ•Ñ, ÑƆÑƆ½Ɔ°ÑžÑ%ƆµƆ¹ Ɔ½Ɔ° Ɔ¾Ñ†Ɔ, Ñ•Ñ,Ɔ°ÑƆ Ñ•Ñ,Ɔ¾Ñ†Ɔ½Ɔ¾Ɔ¹ Ɔ²Ɔ¾Ɔ´Ñ• Ɔ; Ɔ;=200 Ɔ¾Ɔ¼3.

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ƆŸƆ¾Ɔ»ÑƆÑ†Ɔ, Ñ, Ñ€ Ɔ´Ɔ°Ɔ½Ɔ½ÑƆÑž Ɔ•Ɔ°Ɔ´Ɔ°Ñ†ƆÑƆ Ɔ²Ɔ¾Ɔ´Ɔ¼Ɔ¶Ɔ½Ɔ¾Ɔ Ɔ½Ɔ°Ɔ¶Ɔ°Ɔ² Ɔ°Ɔ½Ɔ¾Ɔ½Ɔ°ÑƆ "Ɔ°ÑƆ½Ɔ, Ñ, Ñ€" Ɔ, Ɔ½Ñ€Ɔ¾Ɔ¹Ñ,Ɔ, Ɔ½Ñ€Ɔ¾Ñ•Ñ, ÑƆÑž Ñ€ƆµƆ³Ɔ, Ñ•Ñ, Ñ€Ɔ°Ñ†Ɔ, Ñž. Ɔ´Ɔ°Ɔ»ƆµƆµ Ɔ²Ñ• Ɔ½Ɔ¾Ɔ½Ɔ°Ɔ´ƆµÑ,Ɔµ Ɔ² Ñ•ƆµÑ€Ɔ²Ɔ, Ñ• Ɔ¾Ɔ½-Ɔ»Ɔ°Ɔ¹Ɔ½, Ɔ³Ɔ´Ɔµ Ɔ²Ɔ°Ɔ¼ Ɔ±ÑƆ´ƆµÑ, Ɔ½Ñ€ƆµƆ´Ɔ¾Ɔ¾Ɔ¶ƆµƆ½Ɔ¾Ɔ Ɔ²Ñ•Ɔ±Ñ€Ɔ°Ñ, Ñ€ Ñ•Ɔ½Ɔ¾Ñ•Ɔ¾Ɔ± Ɔ¾Ɔ½Ɔ»Ɔ°Ñ, Ñ• Ɔ¾Ɔ½Ɔ»Ɔ»Ɔ°Ñ, Ɔ, Ñ¾Ɔ½Ɔ»Ɔ»Ɔ°Ñ, Ñ, Ñ€Ɔ°Ɔ°Ɔ°Ɔ. ƆŸƆ¾Ñ•Ɔ»Ɔµ Ɔ½Ɔ¾Ñ, Ɔ²ƆµÑ€Ɔ¶Ɔ´ƆµƆ½Ɔ, Ñ• Ɔ¾Ɔ½Ɔ»Ɔ»Ɔ°Ñ, Ñ• Ɔ²Ñ• Ɔ½Ɔ¾Ɔ»ƆÑƆÑ†Ɔ, Ñ,Ɔµ Ɔ•Ɔ°Ɔ°Ɔ°Ɔ•Ɔ°Ɔ½Ɔ½ÑƆÑž Ɔ•Ɔ°Ɔ´Ɔ°Ñ†ƆÑƆ. Ɔ—Ɔ°Ɔ´Ɔ°Ñ†Ɔ° Ɔ½Ñ€ƆµƆ´Ñ•Ñ,Ɔ°Ɔ²Ɔ»ƆµƆ½Ɔ° Ɔ²Ɔ²Ɔ, Ɔ´Ɔµ

Ñ•D°D°D½D¾D² D, D. D»D, Ñ, DμÑ€D°Ñ, ÑfÑ€Ñ. D' Ñ•D»ÑfÑ‡D°Dμ D²D¾D·D½D, D°D½D¾D²DμD½D, Ñ•  
D·D°Ñ, Ñ€ÑfD'D½DμD½D, D¹ Ñ•D¼D¾Ñ, Ñ€D, ÑfÑ•D»D¾D²D, Ñ• D¾D±Ñ•D»ÑfD¶D, D²D°D½D, Ñ• D,  
D, D½Ñ, D¾Ñ€D¼D°Ñ‡D, ÑŽ D¾ D¿Ñ€D¾D'D°D²Ñ‡Dμ.

[D~D½Ñ, D¾Ñ€D¼D°Ñ‡D, Ñ• D¾ D¿Ñ€D¾D'D°D²Ñ‡Dμ](#)