

A62 B160(165) C52247(3.11) D75

Vol. III 五 11

C has 斛 for the first two 斗,
and em has 斛 for the third 斗.
C em has 栗 for the second 栗.

Now there be grain, three thousand, nine hundred
and ninety-nine 斛 nine 斗 and six 升.

Every nine 斗 of grain is exchanged for one 斛
of beans.

we ask: how much in beans amounteth this to?

Answer saith: four thousand, four hundred and
forty-four 斛 four 斗.

Method saith: put down the grain, three thousand,
nine hundred and ninety-nine 斛 nine 斗 six 升 as
the dividend, and use the nine 斗 as the divisor.
Taking the dividend as per the divisor, we are done.

$$\frac{V(\text{栗})}{V(\text{豆})} = \frac{9\text{斗}}{1\text{斛}}$$

$$V(\text{豆}) = \frac{V(\text{栗})}{9\text{斗}/1\text{斛}} = \frac{3999.96\text{斛}}{9\text{斗} \div 1\text{斛}} \\ = 4444.4\text{斛}$$

四 答 豆 斛 今
斗 曰 一 九 有
四 斛 斗 栗
千 閏 六 三
四 計 升 千
百 豆 凡 九
四 栗 百
十 何 九 九
四 斗 十
斛 幾 易 九

斗 九 術
為 斛 曰
法 九 置
實 斗 栗
如 六 三
法 升 千
即 為 九
得 實 百
以 九
九 十

END 五 11