

[A68 B161(156) C52271(3.19) D81]

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B has just 米 for 本米.

Now there be grain amidst a vessel,
and we know not its quantity. The
former person taketh ~~an~~ half the
middle person taketh one of three
shares, and the latter person taketh
one of four shares, and there remaineth
grain one 斗 and five 升.
We ask: how much be the original grain?

Answer saith: six 斗.

Method saith: put down the remaining
grain, one 斗 and five 升. Multiplying

it by six resulteth in nine 斗.
Dividing it by two resulteth in four 斗
and five 升. Multiplying it by four
resulteth in one 斛 and eight 升.

Dividing it by three, we are done.

1.5 斗

$$= V \cdot (1 - \frac{1}{2}) (1 - \frac{1}{3}) (1 - \frac{1}{4})$$

$$= V \cdot \frac{1}{2} \cdot \frac{2}{3} \cdot \frac{3}{4}$$

$$= V \cdot \frac{2}{6} \cdot \frac{3}{4}$$

$$V = 1.5 斗 \times 6 \div 2 \times 4 \div 3$$

$$= 6 斗$$

本一, 分數. 今
米餘取前有
幾米一人器
何? 一後取中
斗人半, 米,
五四中不
升. 分人知
間取三其

得. 得之, 以術答
一得六曰: 曰.
斛四乘置六
八斗之, 餘斗.
斗. 五得米
以升. 九二
三以斗. 斗
除四以五
之, 乘二升,
即之, 除

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