

A36 B15(150) C52171(2.14) D49

Vol. II 14

桑：蠶所食葉木  
mulberry tree  
倍：double  
lit. increase by one fld

除萬之，之，倍術十答問一今  
之，四得得之，曰步。曰為百有  
即千二一得置一田四方田，  
得一百千二角頃幾十田，  
百一四百至桑八何七步，  
步。十百九桑十三畝奇一百八  
以步，七十一  
二自十四百  
百相步步四  
四乘，以以十  
十得七五七  
步四除乘步，

See Vol. I 15.  
 $\sqrt{2} \approx 7/5$   
 $(2s \cdot \frac{7}{5})^2$   
 $= [2(147\text{步}) \frac{7}{5}]^2$   
 $= 44100 \text{步}^2 \div \frac{240\text{畝}}{\text{畝}}$   
 $= 183 \text{畝 } 180\text{步}$

Now we have a square field, with a mulberry tree growing in the middle. From a corner unto the mulberry tree: one hundred and forty seven 步.

We ask: how much field ~~will be~~ be this?

Answer saith: one ~~th~~ eighty-three 畝 remainder one hundred and eighty 步.

Method saith: put the corner unto the mulberry tree, one hundred and forty-seven 步. Doubling it resulteth in two hundred and ninety-four 步.

Multiplying it by five, resulteth in one thousand four hundred and seventy 步. Dividing it by seven, resulteth in two hundred and ten 步, which, multiplied with itself, resulteth in forty-four thousand, one hundred 步. Dividing it by two hundred and forty 步, we are done.

END 14