A72 B162(157) C5228(3,25) D85 Vol. II 9 25 何彩立其今 Now there be a part, and we know not 得一彩有 its length. Measuring its shadow, we obtain one & and five R. Separaldy exect one pattern, of length one R and 五表得华、 寸。長一不 five I; for its shadow we obtain five I. We ast: how much be the length of the rod? 問一丈知 長程: length; @ lit. length or shortness; 竿尺五長 being long on short 度入聲pole 長五尺。短。 ta: palleds, lit. marken. 幾寸, 别度 ABILIAN Salas Barragastes. Answer south: four & and five & 影之表術答 Method saith: put lown the shadow, one I and fre R. Multiplying it by the 五得長日日 pole length, one A and five of, and, on top, 寸二一置四. decepting it, resulteth in twenty-two & and 除十尺竿丈 fire R. Duiding it by the pole's shoulder, het, we are done 之,一五彩五 $\frac{L(pd)}{S(pdd)} = \frac{L(pdd)}{S(pdd)}$ 即丈士一尺 得。五乘文 $L(rod) = \frac{S(rod) \times L(pole)}{S(pole)}$ RoZI <u>1.5丈×1.5尺×10寸</u> 5寸 以上尺 表十八 - 22.5丈士 = 4.5丈. Note again that =+= IIR Is an fact area, but the Chinese had no notion of dimensional analysis. Really 2 13 22.5 1 7, END 4 25

and It 2 converts IR to It