Vol. II 4/24 A46 B157(152) C52201(2.24) D59 分。三與九歌今 Now we have cans, six thousand, nine 問分二分令有 hundred and thirty; we wish to make two hundred and exteen people make 三六分分二錢 nine shares to share them. For eighty-one people, each person & given two stares; 種十七之。百六 for seventy-two people, each person D 各三十八一千 given three shares; for sixty-three people, each person & given fair shares. 得人,二十十九 We ast now much be received, of 幾人人一六百 each of the three types? Note: you can't actually addothe 2,3,4 makes. 何,與人人,人三 Answer saith; 四與人作十 At two shares, each penan necesseth coirs twenty-two; for three thans, each person receiveth 四三二答 coins thing-three; 分,分,分,曰: for four shares, each penson receiveth coins forty fair. 人人人 得得得 In modern notation, (2,3,4).6930 = (22,33,44) 錢幾錢 2×81+3×72+4×63 四三二 Sty actually does (81, 72, 63) × 2x81+3×72+4×63, +++ 四三;一; which involves more effort than necessary. Computational

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Method saith: first put dam the = 乘得百在七街 eighty-one people above, the seventy two people next after 12, 2, - 7 For 12. people below. The upper place, 13 19 15 + 1 - 5 it and the sixtythree muttiplying it by two, resulteth 六 ———; 位人置 百百十次以次八 in one Hundred and sixty-two; the next place, multiplying it 三五六位二之,十 by three resulteth in this lower place, malkiplying it + + FUX # 1 hundred and sixteen; the by four, resulteth in two \$5 = 10 = 2, + 1 Subsidianly combining the three E. By W # 1 = B 并四之,一人上, places resulteth in six hundred Bhus類像和上位、 and thinky as the divisor.

Also put dan the coins, SIX thousand, nix TO TO + W TO LX 萬五九二一位置 hundred and theirty as three places. The hundred and sixty-two, resulteth in one million, one hundred and twanty 六十萬百十以錢 two that and six hundred and sixty; aso, multiplying the middle place by チニ六十二一六 the hundred and & sixteen, resulteth 三乘千六萬百千 in one million, four hundred and 百下八乘二六九 niney-six thatsand eight hundred eight also, multiplying the 之位,百中千十百 lower place by two hundred and fitty to, resulteth in one million, 十,得八位,六二三 seven hundred and firty-six 各百人,得百千八百十八百人 thousand, three hundred and sixty; each be a hinderd. Bhus 頭板 A上位 A en. has 乘之四 十二四又一位。 Bhes = B-+Tipr=B+Ti

七十二、上队 Driding each of them by the disson, 十六;中枢础 six hundred and thing: the upper place 二下位得六 resulteth in one thousand, soven hundred and eighty two; the middle place 各位得一直 resalteth in two thousand, three hundred 队得二千三 and seventy six; the lower place resulteth in two thousand, seven hundred and seventy two. Dividing each of them by their number 數千三百名 of people, we are done. 除七百八除