永中金重定期

DATE 2024 .10 .3,4,19 NO 三校我的 三校我作52

ex.10 一次开一票，方法我Ans用$\binom{n}{k}$形式 ✓

1) 甲.乙各拿6，途中甲≥乙

~~$\binom{12}{6}-\binom{3}{1}\binom{9}{4}$~~

~~$=792-3\cdot126$~~

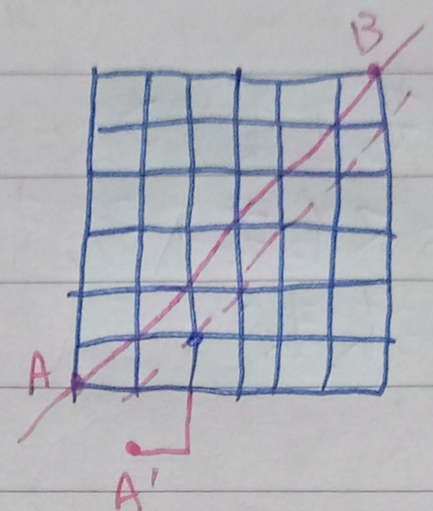
~~$=924-378$~~

~~$=546$ #~~

$\binom{12}{6}-\binom{12}{5}$

$=924-792$

$=132$#



2) 甲8，乙6，途中甲≥乙

~~$\binom{14}{6}-\binom{3}{1}\binom{11}{4}$~~

~~$=3003-3\cdot330$~~

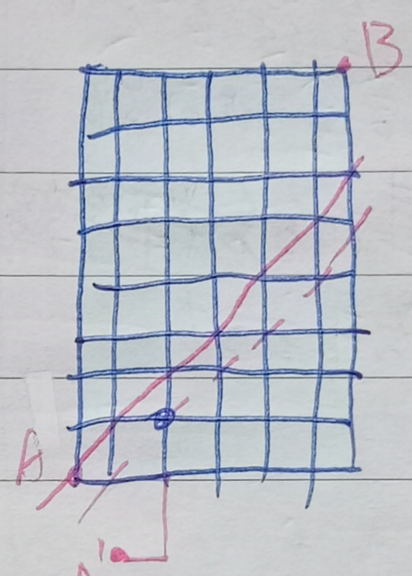
~~$=3003-990$~~

~~$=2013$ #~~

$\binom{14}{6}-\binom{14}{5}$

$=3003-2002$

$=1001$#



3) 甲8，乙6，途中甲>乙

~~$A\to B$~~ $\longrightarrow$ $\binom{13}{6}-\binom{13}{5}$

~~$=A'\to B$~~ $=1716-1287$

~~$\binom{13}{6}-\binom{3}{1}\binom{10}{4}$~~ $=429$#

~~$=1716-3\cdot210$~~

~~$=1716-630$~~

~~$=1086$ #~~