

Внутришкольная олимпиада по математике,
уч-ца 10 класса
Боготовой Арианы.

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② 4 uoob 7 uuyum 7 uuyug. 05.

③ Bero uenoh'eguaruore uuel, y kotojare nepkal y noclegnal yepoha uenuae 4.10.10.5 = 2000.

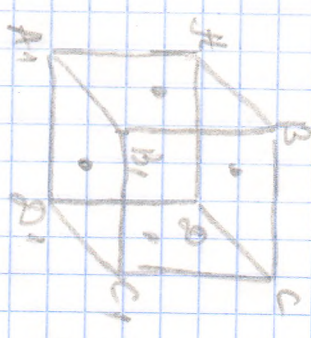
Uy uere gaeleguere na 1000 4.1.1 = 4. Bero uuel noyee - gaelee nog yeaobue pabuo 2000-4 = 1996. 75.

Orbam: 1996.

④ Hayobee ypeel bymphenunen, eall unuoreuuo ok nphuoqeeuue uenoh'eeu byueuel. Bymphenune yeeue o'pary-rom udeyhoos 9x9, nomouy uee kouueuueo hobuo st. Das kouyoro Bymphenune yyea uun gouuuee enepene uome in ogyo eogepua-yepe euo ybeuo. Tpu stou kenu-gepe uy mauuee ybeuee uun nouu- maeel ne uoree gfyre hary.

ueyobameleko, kouueueo imh- mone ybeuee ue uere 4A 75.

⑤ Heeeg J.



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① $x^2 + 2ax + b = 0$

$D = b^2 - 4ac = (2a)^2 - 4 \cdot b - 4a^2 - 4b = 4/a^2 - b)$

$F(x) = f(x) + k f(x+a)^2$

$F(x) = x^2 + 2ax + b + k(x+a)^2 =$

$= (k+1)x^2 + 2a(k+1)x + (b+ka^2)$

$4D_1 = a^2(k+1)^2 - (k+1)(b+ka^2) =$

$= (k+1)(a^2 - b),$ umu u speshoBeeuee

gpekyeue, m.k $k+1 > 0$

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