bla

$$clb$$
 alc
 $labla$
 $labla$

It is enough to prove their a, 6, c ∈ (1,2) ubic-cra ottorc a ∈ (1,2) ba+62+bc > 4blac - ca

| ba+62+bc+ca > 4blac| 1 [a,b,c>0] 4 V ba.b.b.c.ca = 4/64a2c2 = 46 Vac try to solve in smla vay $a_1b_1c \in (0,1)$ a b ctl + cutl + cutl 2 arb+ c € 2b c+ Z

$$a \leq 2bc+2-b-c = (6,5,c) \in (0,1)$$

$$= bc+1+(b-1)(c-1)$$

$$a < 1 < 1 + bc + (b-1)(c-1)$$

$$0 < 0 < 0$$

52)
$$f(x) + f(y) \ge xy$$

$$+(x) + f(y) \ge xy$$

$$+(x) + f(y) \ge xy$$

$$f(x) + f(y) = xy$$

Mar to eveney