a^3+ba^2/a-b•a^2-b^2/a^2+2ab+b^2•(1/a+1/b) =

a3 + ba2/a –ba2 - b2/a2 + 2ab+b2 •(1/a+1/b)=

(a5+3a3b-a4b-b2+ab2+a2b)/a2b