Je pars de:

$$\left(p+\frac{a}{V_m^2}\right)(V_m-b)=RT$$ (j'utilise les volumes molaires c'est plus clair)

Ensuite:

$$\left(p+\frac{a}{V_m^2}*\frac{n^2}{n^2}\right)\frac{(V_m*n-b*n)}{n}=RT$$

La, j'applique $V=n*V_m$, donc:

$$\left(p+\frac{an^2}{V^2}\right)\frac{(V-b*n)}{n}=RT$$, ce qui est strictement equivalent a :

$$\left(p+\frac{an^2}{V^2}\right)(V-b*n)=n*RT$$

On est bien d'accord?

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