(15.21) Show that 
$$det(\frac{a}{c}d) = od - bc$$
 and  $det(\frac{a}{d}e) = ae_1 - afh + bfg - bdg + cdh - ceg$ 

follows from the disapress det  $A = \frac{1}{n}$ ,  $\frac{1}{n} = \frac{1}{n}$ 

(a)  $det(\frac{a}{c}d) = \frac{1}{n}$ ,  $\frac{1}{n} = \frac{1}{n}$ ,  $\frac{1}{n} = \frac{1}{n}$ ,  $\frac{1}{n} = \frac{1}{n}$ 

Note that  $\frac{1}{n}$ ,  $\frac{1}{n} = \frac{1}{n}$ 

So  $det(\frac{a}{c}d) = \frac{1}{n} \left[ e^{\frac{1}{n}} e_{n} + \frac{1}{n} + e^{\frac{1}{n}} e_{n} + e^{\frac{1}{n}} e_{$ 

Pf: Let  $T = I = \{$ . Since det(I) = I, we have  $I = det(I) = \frac{I}{n!}$  I = I.