$$ACAINT Ford 3$$
1. By definition.

(av ( $\hat{F}_{n}^{f}(x), \hat{F}_{n}^{f}(y)$ ) =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  +  $\mathbb{E}[\hat{F}_{n}^{f}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  +  $\mathbb{E}[\hat{F}_{n}^{f}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  +  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  +  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$  =  $\mathbb{E}[\hat{F}_{n}(w)\hat{F}_{n}^{f}(y)]$ 

