Definition	3.75.	[1x0]A	total	order	a on	a set	X	is	said	to	be	a	well
ordering if every non-empty subset of X has minimum.													
^a Actually th	e condit	ion of we	ll orde	ring for	an oro	ler imp	olies	tha	t the o	orde	r is t	tota	al; we
leave it as an ex	kercise [IWN].											