Sect	ion 4.4	. Indete	rminate Fo	rvns
	owe	d L'Hospi	tal's Rule	
us e	onsider	F(x)=	linx	
Haw	F Beh			
		0		r may
	1 4-x	2-1 7	Not	exist
				KOTM
		20	90	
lim V-X-X	Sin x =	L (we w	use a geom	netric
ie ex	ists a			r finding
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		· W	ideterminate	form of
lospital	l's Ru	الم		
			differentic	rble
	lim x-> 0	Lim Sinx Lim Si	and L'Hospi us consider F(x)= Haw F behaves heo lim lux = C x-> 1 x-1 = C inde of x-> 0 L'Hospital's limit lux = C l	How F behaves hear 1 ? lim lax = 0 may o Not indeterminate s indeterminate s con sin x = 1 (we use a geon x > 0 x = 1 (we use a geon x > 0 x = 1 (we helpod) se exists another method for limit l'Hospital's Rule lim lax = 0 indeterminate hospital's Rule







