MATHIST. 5.1 Elasticity(引钟) of Demand We begin by analyzing a real example from the air the inclustry (iEB), and have a detailed (i#181841) look at how to as plane tickets impact the revenue of ticket sold. A simplist are for an airplane ticket would cause the revenue to incress Vice versal发之前处). In economics, this particular relationship price and revenue is referred (ARMS-19) to as elastic demand will learn later Particularly (特别是) in canada. start up (形物) airlies collapse (所解) more readily (丑速地) under this condition. The December of Finance in Canada Studied the glorementioned (625) and published the research result in Air Travel Demand Issues: Concept, Issues and Measurement以管法果)! by different of 1 between six types of air travel that are associated (# see (成文性生態) business and leiswe(当年), long-hanl (旅游版) travel. The result of the study conchrate (12 x) that the demand or business air travel is less than that for leisure air travel to does not come as a surprise, since even a costy (\$ \$18) can be more readily moved to different dates than busines and The other two results of the study one that the demand to be fight is less elastic than that for short - hand flights, and some the demand of international flights is less elastic than that I American dights. This make sense because the further the destructions with the destruction of the further than alternative (3 \$16 60) mode of transport can be sense. as a substitute for an expansive flight. We now derive (英语) the mothematical model that les analyse (21-1554) the relationship between unit prise and altermines the elasticity of domand of a particular of Situation when the demand function is given In order to Ch to aid (#Bh) our analysis, it will be me convenient to write the demand function of in the form 9= top in other

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	words, we will think of the quantity demanded q of a contain (1) product as
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Howard (P- Pth
Hostola 1	the associated (#12 * #) quantity demanded changes from fip) units to
Wind (BH)	(pth) units with an overall (2.18) decrease of
O Marino (M.)	L(Dth) - L(D) LANTS.
e Down (É M	We an now alculate the percentage (3506) drange in the
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Yel Jones	change in unit price x100 = = (100)
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tad boded	and the corresponding (+12 = 50) percentage dange in the quantity
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1 1200 - 1000	dangle in quantity demand x100 - figs (100)
	dange in quantity demand x100 = fipt W - fip) (100) Quantity demanded at pricep +1p)
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11 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ratio (ICZ) of the percentage change in the quantity demanded to the
Ann 41 01	perentage change in price
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