		133 WA 01
	C.	
	< *	Q1) We will prove this vin contradiction, we will stage by consumer
	_C*	that a2-6 is a perfect source for some on EN, this
	TTIA	can be expresses as:
		Fa, ZE a2-6 = 22
	<u>oʻ</u>	This can be simplified as follows:
	Z*	
	STA XX	27 22 23 = 67 (a2 - 22 = 6) It for homothe mysicism &1, 2, 3, 363 or 1, 6
	四*	= = (a+2) (a-2) (106 2) (4-2) (6-2).3 or 6-1.6
	E×	
		\$ Sites 6's Pactors agas 15 25 35 6 373 we have 4 we coses are coses;
		Case Din 6 182 the multiple of 2,3 Case []: 6 is the managere per 1,6
Ä		
		* (a+z) > (a-z) os a,z 6 N
		: (a+2) = 3 and (2 - 2) = 2 : (a+2) = 6 and (x-2) = 1
	- X	
19		(Q+Z) Z 3
	744	- (a-z) 2 z
		22 21
	A*	Z = 0.5
	Z*	
68112	N.X	Cose I and case I have contradictions as 2 is defined as a natural
10 N. 10	→ □ ×	number but here it is event to 0.5 and 2.5 for any value of
	正	a. This means that our cass umption is false that for some on 6 N then
		az-6 is a Petfect sommer.
		.: Since the negation is false, for every or 6 N, or 2 - 6 is not a perform
		Sanage

TEAR AT PERF

以外のはかいのかはあればあればかればからないのはないのはないはないのかのないのであるというないはないのはないのであるから

(1) We will prove this Vin contradiction, we will stript by consumms that al-6 is a perfect souther for some a EN, this can be expresses as: 3 a, Z E 02 - 6 3 22 This can be simplified as follows: JX 2> 22 23 2 6) ((x2 - 24) () 1 6) her 1 1 6) (1, 2, 3, 6) , 1, 6 NW =7- (a+12) (a-2) (za617) (+1) (4/4) (+1/2) (+1/2) (+1/2) III X \$ Since 16's - 1 Anchora gape or 8 1323 3 6 377 we have 1 + we Coses ... coses Case 1:3 6 152 the multiple of 2,3 Case 2:6 is the multiple pr 1,6 * (a+z) > (a-2) as a, z 6 N * (a+2) > (a-2) as a, z & N : (A+2) 23 aw (Cn-Z)= Z : (a+2) 2 6 AND CA-Z) 2 1 (a+2) 2 8 (Q+Z) Z 3 - (a-2) = 1 - (a-z) 22 22 35 22 21 œ Z = 0.5 2 = 2.5 Casell And Case [] have Contradictions as 2 is defined as a natural humber but here it is erman to 0.5 and 2.5 for any value of cass numption is false that for some on 6 N then a. This means that out W5 - 6 is a Petf ect SWHAGE. ": SINCE the hospition is finise, for every a 6 N a2 -6 is not a perfect Samape.