Show that is possible to find a message m such that we can forge a valid Signature if we know that the scheme chooses the secret random value e to be the same as the signing exponent s (that is, e=s in the scheme) => Suppose 9 message m=0, which is valid because 0 < m < 9 e= s. So, Sy = [g (mod p)] (mod q) **(** = [gs cmod p)] cmod q) = V (mod 2). [slide 437] we know & & 2 are public. So, Si can be known easily using above method. S2 = (m+ sS1) e (mod 2) = (0+SS1) e cmod q) [: m=0] = ss1s (mod 2) (: e=s] = S1 (mod q) [: SS = 1 (mod q)

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1	Here,	S	is Kr	RNOWN	tox	given		value
	50	0)	4	, Lw	07	is also		public.
So	52	Can	be	Sig weed		\$70 C	pasilu	. 611

For a message m= 0, a valid signature can be twoged easily, with publicly available information Overally it is proved that if e=5,4