A	mother explanation of reducing Yeston String (YoS) to Koala On Fring (165)
Note Tit	le J
(.	Assume 165 -py exists. Note that: $165(Q, I) = yes' \iff Q(I) = 1600 la$
2.	Try to solve an instance of 105. i.e. given (P, I) shoes P(I) = 'yes'? Strategy is to after P to new program Q such that
	$P(\underline{T}) = y_{\alpha} = Q(\underline{T}) = (koala) - (A)$
	Q works as follows:
	(alcolate, P(T)
	calculate $f(I)$.
	tyes, return Icoala
	else no.
3.	Because of step 2, we know how to obtain P from Q. Now execute (OS (Q, I). Because of (A), this regult is the sque as YoS(P, I). So we have solved the instance of YoS.
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Became of (X), this regult is the sque as 105(1,2).
ψ.	Note: P and Q were nover executed. Only 165-py was
	= evental.
	he did also compute the string Q as a function
	We did also compute the string Q, as a function of P - but this is an easy computation.
	of interest on the constructions

Additional emale: One possible objection is: 'This proof seems suspicions. It seems like we could use the save proof to reduce YoS to almost any problem"
This proof seems suspicions. It seems
like we could use the save proof to reduce
You almost aug modern"
This objection is incorrect. Suppose, for example, we used the save approach to reduce YoS to Contains GAGA (CG).
Step 1 is OIC: Assume CG. by exists: CG(S) = '4e1' (=) S what GACH
Her) is where we get stuck:
Step 2 is where we get stuck: we read to sometime convert (P, I) into a String S with the property P(T) (M) (E) S a third (AVA)
ithe accretion
P(I)='yes' (=) S contains 'GALA'
But how can be compute S from (P, I)? We can't!! In contract in the previous proof, we can easily convert P
In contract in the previous proof, we can easily convert P
to Q.